

USDA-ARS Collection
of Entomopathogenic
Fungal Cultures

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Emerging Pests and Pathogens Research Unit
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New nomenclatural rules bring new challenges, and new taxonomic revisions for entomopathogenic fungi

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The previous (2007) version of this introductory material for ARSEF catalogs sought to explain some of the phylogenetical rationale for major changes to the taxonomy of many key fungal entomopathogens, especially those involving some key conidial and sexual genera of the ascomycete order Hypocreales. Phylogenetic revisions of the taxonomies of entomopathogenic fungi continued to appear, and the results of these revisions are reflected in the ARSEF catalog as quickly and completely as we can do so.

As many of people dealing with entomopathogenic fungi are already aware, there has been one still recent event that has a more far-reaching and pervasive influence whose magnitude still remains to be fully appreciated, but that leaves much of the mycological world (including insect mycology) semiparalyzed by uncertainty and worried about the extent and impacts of changes that still remain unformalized and, hence, a continuing subject for speculation and prediction. At the 2011 International Botanical Congress in Melbourne (Australia), however, a far-reaching nomenclatural revolution was imposed on the fungal world as the result of the abandonment of the existing dual nomenclatural standard that allowed separate, valid names for anamorphic and teleomorphic stages of pleomorphic fungi. This dual nomenclatural system was replaced by a new standard allowing only *one* correct name for any pleomorphic fungus regardless of how many morphs might have been previously and validly recognized for that fungus. The new rule (also known as One Fungus = One Name, or, even more concisely, 1F=1N) has deeply split mycologists into opposed camps greeting the new rules with either cheers or jeers. Whether one supports or opposes this change (for the record, I strongly object to this change), these basic points are indisputable and must be accepted (whether happily or not):

- Dual nomenclature is no longer recognized (now and for the indefinite future).
- 1F=1N is the ***only*** nomenclatural standard applicable for the nomenclature of pleomorphic fungi.
- The main impacts of 1F=1N are apparent at the rank of genera.
- After the competing possible names are evaluated, a ***single*** correct generic name will be chosen by decisions of committees as defined by the International Association for Plant Taxonomy (IAPT) which oversees the ***International Code of Nomenclature for algae, fungi and plants (ICN; McNeill et al. 2012*** or online at <http://www.iapt-taxon.org/nomen/main.php>).
- The use of the specified correct names, once fully confirmed, is obligatory and ***must*** be followed because all such names will be treated as if they have been conserved against all possible alternative names.
- Other taxonomic changes (especially below the generic level)—e.g., when the chosen correct generic name is of a different gender from that which it

replaces, specific epithets must be changed to reflect the newer generic gender as when *Paecilomyces farinosus* became *Isaria farinosa*.

- Some very familiar, cherished generic names will disappear, and the traditional generic circumscriptions for pleomorphic fungi will expand and be revised to reflect all phylogenetically related morphs for their included taxa.

How correct names will be chosen: The ultimate selection of correct names over all possible competing names will depend on a number of sequential actions by a significant number of persons in a series of committees, and will be subject to all of the difficulties that routinely accompany committee actions. The exact set of actions that will be occurring still remain uncertain in many quarters. For fungi in the Hypocreales (the entomopathogens most affected by the new rule and also raising the greatest concerns for insect pathologists), there is a world-wide group of mycologists with strong taxonomic/systematics expertise who will consider the demonstrated phylogenies of these fungi, assemble lists of generic names that appear to apply to monophyletic groups of taxa, and that will formally propose a set of choices of correct genera (and their synonyms) to the IAPT's Nomenclature Committee for Fungi. Once this committee has cast their votes to accept (or to modify) any of the proposed choices, the lists of accepted and rejected names will be sent forward to the General Committee of the IAPT for ratification, and then to the Nomenclature Session of the next International Botanical Congress (the next such meeting will be in 2017, in Beijing; any reports from the Committee for Fungi that miss the deadlines for this next Congress would be passed on to the following Congress in 2023 (wherever that may be held). No nomenclatural changes or decisions of any type become completely official until they have been accepted by majority votes during the Nomenclature Session at an International Botanical Congress and then ratified by a plenary vote of the Congress participants at that Congress. It is interesting to note that the only constitutive reason for holding any International Botanical Congress is actually for holding these Nomenclatural Sessions (before the main Congress) and the final, obligatory vote on the acceptance of the report from the Nomenclatural Session during the closing plenary session of the Congress.

The selection of which name among competing possibilities will be selected as correct is not entirely arbitrary, but it is also necessary to remember that it will be a matter of consensus opinion among the members of the committees that will consider the proposals coming to them. The criteria that are supposed to be used for ultimately choosing the names that will be used are to be based in the first place on priority of publication (which name is the oldest available name). There is no longer any automatic preference in the Code to choose names as correct that are typified by teleomorphs; names for conidial and sexual states are to be treated on an equal basis for purposes of selecting the correct name.

It is apparent that even now (early in 2014), there is still a great deal of uncertainty among mycologists about exactly how to handle names of pleomorphic fungi during this transitional period from the defunct dual nomenclatural system to the new rule. Hawksworth (2012) provides what may be the most comprehensive opinion about how to proceed from this point, but it is only one opinion about how the mechanics should proceed.

Changes to the International Code of Nomenclature (ICN) for botanical and related taxa are supposed to result in greater stability and predictability for the names of organisms covered by these rules. Whether the newly adopted rules do this remains a source of active and heated controversy. It probably is fair to say that a new stability will be an eventual result of these new rules, and that within another decade many of the fundamental arguments about the value of these changes will have been settled. I will note that the names for the entomopathogenic hypocrealean fungi (which comprise the vast majority of fungi in the ARSEF culture collection) are among the fungi most drastically affected by this dramatic change in the ICN rules. While nomenclatural stability will eventually come, it will still be a number of years before that stabilization process has been completed and before the resulting changes are fully incorporated into the scientific literature. It is probable that all or, at least, the great majority of the basic changes outlined here will be ready for final ratification during the 2017 International Botanical Congress in Beijing.

Just as there is enormous confusion and controversy still about whether the abandonment of dual nomenclature for the 1F=1N rule was a good and necessary change or will prove to be a superfluous and destructive catastrophe, there are many analyses covering a range of opinions from opposed to and troubled by the change (e.g., **Korf 2005** precedes the adoption of the new rules but raises important and pertinent issues; **Gams et al. 2011, 2012**) to those who seem to be cautiously and a bit vigilantly supportive (e.g., **Braun 2012**) to those leading full-throated cheers for these changes (**Hawksworth 2011; Hibbett & Taylor 2013**) to even a suggestion that the naming of fungi may cause more problems than it solves (**Money 2013**).

ARSEF responses to taxonomic revisions: The identifications in the ARSEF catalog have always incorporated new taxa and appropriately revised classifications as soon as the collection staff can confirm the correct new identifications for ARSEF holdings. We make every attempt in the catalog to note specifically when those identifications are based on genomic sequence data. For taxa where extensive molecular revisions have occurred, those isolates with genomically confirmed identifications—for example, for isolates of *Beauveria bassiana* and *Metarhizium anisopliae* in their molecularly redefined, phylogenetically narrowed, strict senses (**sensu stricto**)—are listed in the catalog as these species; isolates that have not been molecularly confirmed are placed in separate listings for these species in their broad senses (**sensu lato**).

GENERAL AND PHYLOGENETIC RECLASSIFICATIONS OF FUNGI

The results of a global cooperative effort involving dozens of mycologists (including the curator of this collection) to reclassify the fungi according to phylogenetically sound principles based on the DNA sequence data for multiple genes has recently resulted in the publication of two monumentally important publications that completely rework mycological systematics. The earlier publication was a phylogenetic overview of virtually all fungi (**James et al. 2006**). The second publication (**Hibbett et al. 2007**) provided many of the necessary taxonomic readjustments that were indicated by the phylogenetic studies. The ITS gene sequence has been adopted as a supposedly universal biological bar code gene (**Schoch et al. 2012**) because of its wide usefulness for a vast range of fungi; however, reality has consistently indicated that the ITS sequence has very little usefulness for the identification of fungi in some important groups of ascomycete (**especially including** taxa in the order Hypocreales). As is noted here, however, there have been many later phylogenetic studies that are important for the taxonomy and systematics of entomopathogenic fungi. Some of these major studies involving entomopathogens from the order Hypocreales are listed here by anamorphic or teleomorphic generic name:

Beauveria — **Rehner et al. 2011**

Fusarium — **O'Donnell et al. 2012**

Metarhizium — **Bischoff et al. 2009; Kepler & Rehner 2013; Kepler et al. 2014**

Metacordyceps — **Kepler et al. 2012**

Polycephalomyces — **Kepler et al. 2013**

Table 1. UPDATES for probable outcomes under 1F=1N standards for which genera of entomopathogens in Hypocreales are likely to be treated as ‘correct’ differing (where underlined) from those suggested in RA Humber’s (2012) poster presented at the annual meeting of the Society for Invertebrate Pathology in Buenos Aires, AR.

Family Clavicipitaceae

Humber (2012)	<i>Metarhizium</i> (syn. <i>Metacordyceps</i> , <i>Nomuraea</i> , <i>Pochonia</i> , <i>Rotiferophthora</i> , etc.) <i>Aschersonia</i> (syn. <i>Hypocrella</i>) Other aschersonioid genera; <i>Moelleriella</i> , <i>Orbiocrella</i> , <i>Regiocrella</i> , <i>Samuelsia</i>
Updated (see Kepler et al. 2014)	<i>Metarhizium</i> (syn. <u><i>Chamaeleomyces</i></u> , <i>Metacordyceps</i> , <i>Nomuraea</i>) <u><i>Pochonia</i></u> <u><i>Metapochonia</i></u> <u><i>Rotiferophthora</i></u> <i>Aschersonia</i> (syn. <i>Hypocrella</i>) Other aschersonioid genera; <i>Moelleriella</i> , <i>Orbiocrella</i> , <i>Regiocrella</i> , <i>Samuelsia</i>

Family Cordycipitaceae

Humber (2012)	<i>Cordyceps</i> (syn. <i>Beauveria</i> , <i>Isaria</i> , <i>Lecanicillium</i> , <i>Evlachovaea</i> , <i>Microhilum</i> , <i>Simplicillium</i> , etc.) <i>Torrubiella</i> (syn. <i>Akanthomyces</i> , <i>Gibellula</i> , <i>Granulomanus</i> , <i>Pseudogibellula</i>) <i>Ascopolyporus</i> <i>Conoidiocrella</i>
Updated probable choices:	<i>Cordyceps</i> (possible synonyms <i>Torrubiella</i> ^{1,2} , <i>Lecanicillium</i> ¹) <u><i>Beauveria</i></u> <u><i>Gibellula</i></u> (synonym: <i>Granulomanus</i>) <u><i>Isaria</i></u> (syn. <i>Evlachovaea</i>) <i>Ascopolyporus</i> <i>Conoidiocrella</i>

Family Ophiocordycipitaceae

Humber (2012)	<i>Elaphocordyceps</i> (synonym <i>Tolypocladium</i>) <i>Ophiocordyceps</i> (synonyms <i>Hirsutella</i> ² , <i>Hymenostilbe</i> , <i>Paraisaria</i> , <i>Sorospora</i> , <i>Syngliocladium</i>)
Updated probable choices:	<i>Elaphocordyceps</i> (synonym <i>Tolypocladium</i>) <i>Ophiocordyceps</i> (synonyms <i>Hirsutella</i> ³ , <i>Hymenostilbe</i> , <i>Paraisaria</i> , <i>Sorospora</i> , <i>Syngliocladium</i>) <u><i>Polycephalomyces</i></u> (see Kepler et al. 2012)

¹ Separate status or synonymy depends on more complete determination for status of type species.

² As traditionally defined, a polyphyletic group with spp attributable to all clavicipitoid families; see Johnson et al. 2009.

³ May be recognized as separate from *Ophiocordyceps* but status and circumscription still undetermined.
IMPORTANT NOTE: If not treated as a separate genus, *Hirsutella* might be recognized as a correct name to replace the younger generic name *Ophiocordyceps*.

Table 2. Phylum Entomophthoromycota (Humber 2012).

Class Basidiobolomycetes	
Order Basidiobolales	
Family Basidiolaceae	<i>Basidiobolus</i> , <i>Schizangiella</i> ¹ , <i>Drechslerosporium</i> ¹
Class Neozygitomycetes	
Order Neozytigales	
Family Neozygitaceae	<i>Neozygites</i> , <i>Apterivorax</i> , <i>Thaxterosporium</i>
Class Entomophthoromycetes	
Order Entomophthorales	
Family Ancylistaceae	<i>Ancylistes</i> , <i>Conidiobolus</i> ² , <i>Macrobiotophthora</i>
Family Completoriaceae	<i>Completoria</i>
Family Entomophthoraceae	
Subfamily Entomophthoroideae	<i>Entomophthora</i> , <i>Entomophaga</i> , <i>Eryniopsis</i> , <i>Massospora</i> ⁴
Subfamily Erynioideae ³	<i>Erynia</i> , <i>Furia</i> , <i>Orthomyces</i> , <i>Pandora</i> , <i>Strongwellsea</i> , <i>Zoophthora</i>
Family Meristacraceae ⁵	<i>Meristacrum</i> , <i>Tabanomyces</i>

¹ Genus with phylogenetic support but still awaiting formal description.

² Phylogenetic data indicate this genus must be revised and split.

³ Phylogenetic data support *Zoophthora*, but distinctions among other genera remain uncertain.

⁴ Subfamily Massosporoideae proposed by **Keller & Petrini (2005)** is not phylogenetically supported.

⁵ Two previously included genera—*Ballocephala* and *Zygnemomyces*—have been excluded from Entomophthoromycota and reclassified in subphylum Kickxellomycotina (see **Humber 2012**).

FLAGELLATE FUNGI AND FUNGAL ALLIES

The removal of the Oomycetes (biflagellate water molds whose zoospores have one whiplash and one tinsel flagellum) from the true fungi to the class Peronosporomycetes in the kingdom Straminipila (also known as kingdom Chromista) has been widely accepted within mycology for several decades now. There are, however, a small number of water molds that produce uniflagellate zoospores (with a single posterior whiplash flagellum) that have traditionally been treated in the Chytridiomycota. The massive phylogenetic review of fungi (**James et al. 2006**) known under the All-Fungal Tree of Life (AFTOL) Project resulted indicated that a large group of taxa—including the entomopathogenic genera *Coelomomyces*, *Coelomycidium*, and *Myiophagus*—needed to be removed from the Chytridiomycota; these semi-terrestrial chytrids with golden-brown resistant sporangia and complex life histories were reclassified by **Hibbett et al. (2007)** into the newer kingdom Blastocladiomycota.

ENTOMOPHTHOROMYCOTA: A NEW PHYLUM

The phylogenetically driven reclassification of all fungi (**Hibbett et al., 2007**) resulted in the abandonment of the phylum Zygomycota (as well as the subphylum Zygomycotina and class Zygomycetes) because these long-recognized taxa were finally proven to be distinctly polyphyletic. A series of subphyla *not assigned to any phylum* were described in **Hibbett et al. (2007)** while placing arbuscular mycorrhizal fungi (Glomales) in a clearly distinct phylum, Glomeromycota. Since that initial formal dispersal of zygomycete fungi, the new (still unassigned) subphylum Mortierellomycotina was described (**Hoffmann et al. 2011**). It was always understood that it was probable that further phylogenetic studies on these unassigned subphyla of zygomycetous fungi could eventually result in raising each of these subphyla to phylum

ranking. In the case of the Entomophthoromycotina, these ‘missing’ phylogenetic studies have been completed in a sufficiently convincing manner (**Gryganskyi et al. 2012a,b**) to support the description of the phylum Entomophthoromycota (Humber 2012) with a new and phylogenetically revised classification of entomophthoroid fungi into three classes (see Table 2).

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ARS Collection of Entomopathogenic Fungal Cultures

History and Purpose of the ARSEF Collection

The goal of the ARS Collection of Entomopathogenic Fungal Cultures (ARSEF) is to provide fundamental support for basic and applied research on the fungal pathogens of invertebrates. Since its establishment in the early 1970s, this collection has served as a general research resource for the isolation, collection, preservation, and distribution of fungal strains from insects, other arthropods, and nematodes. Emphasis has always been placed on acquiring and distributing strains under active study for use as potential biological control agents. Basic research associated with the collection includes fungal systematics, fungal cytology, pathobiology, and methodology for fungal cryopreservation. The culture collection and its associated collection of microscope slides and herbarium specimens provide invaluable support for taxonomic research on and the diagnoses of fungal pathogens of invertebrates. Identification services for specimens and cultures have always been available free of charge to any laboratories requesting them.

We strive to provide users with pure and accurately identified fungal cultures, and the taxonomies applied to the fungi in this collection are continuously updated to reflect their current accepted classifications. The curator of the collection welcomes all correspondence about nomenclatural or taxonomic changes or possible misidentifications involving any ARSEF strains.

The ARSEF collection began as Richard Soper's research collection in the USDA-ARS laboratory at the University of Maine (Orono; UMO) where its cultures were at initially designated by a UMO or RS prefix before adopting ARSEF in 1985. In 1978, the ARS Insect Pathology Research Unit relocated to Ithaca, NY, to work with the Boyce Thompson Institute (BTI) on the Cornell University campus. The Insect Pathology Research Unit became the Plant Protection Research Unit (PPRU) in 1985, and was renamed in 2016 as the Emerging Pests and Pathogens Research Unit (EPPRU). The ARSEF collection moved from BTI in 1990 into the US Plant, Soil & Nutrition Laboratory which was rededicated in 2008 as the Robert W. Holley Center for Agriculture & Health to commemorate Dr. Holley's work there to complete the first sequencing of any nucleic acid; he received the 1968 Nobel Prize for Medicine or Physiology for this work.

EPPRU operates the ARSEF culture collection for the USDA Agricultural Research Service; the collection is not now and has never been owned or controlled by the Boyce Thompson Institute. ARSEF is one of the largest germplasm collections in the ARS, and is widely recognized for its active support of research on fungal pathogens of invertebrates. ARSEF and its associated herbarium are registered under the ARSEF acronym since 1985 with the World Federation of Culture Collections' World Data Center on Microorganisms and the International Association of Plant Taxonomists' *Index Herbariorum*, respectively.

From 1977 through 2008, all strains in the collection were preserved by immersion in liquid nitrogen. A program to lyophilize those isolates that could tolerate such was begun in the 1990's, and has expanded in scope and pace. At the end of 2008 the vast majority of the collection was consolidated in a single large nitrogen dewar in a new facility adjacent to the current building. Requests for cultures are filled with either actively growing cultures on appropriate media or, if available, as freeze-dried units.

Identifying and Acknowledging ARSEF Strains in Publications

We request that all publications using or referring to strains obtained from ARSEF acknowledge the U.S. Department of Agriculture, ARS EPPRU and state the ARSEF accession numbers of these strains. We would greatly appreciate receiving reprints of all past, current, and future publications or even periodic notification about research in progress involving the use of ARSEF strains.

Accession numbers of strains from commercial culture collections such as the American Type Culture Collection (ATCC), Centraalbureau voor Schimmelmicrocultures (CBS), CAB International Mycological Institute (IMI), and other registered general service collections are listed in this catalog to provide complete information about specific isolates. ***Representation of cultures obtained from ARSEF as being from ATCC, CBS, IMI or UAMH or other general service culture collections violates trademark laws, and persons doing so are subject to prosecution. Cultures received from ARSEF should be referred to by their ARSEF numbers only even if they are co-deposited in other culture collections.***

Depositing and Exchanging Cultures

EPPRU and ARSEF encourage deposition of entomopathogenic fungal cultures in the ARSEF collection—particularly strains used in published studies—and of voucher and reference specimens to its herbarium. Depositors may reserve the right to limit redistribution of any culture deposited with ARSEF for specified times upon consultation with the curator. Depositors can receive subcultures of their own depositions at any time; these cultures do not affect any allowances of free cultures. Exchanges of cultures between ARSEF and other research or general collections of fungal cultures are encouraged and are not subject to numerical limits.

Prior to shipping cultures from countries outside the United States contact the Curator to obtain the appropriate needed importation permit from the U.S. Department of Agriculture, Animal and Plant Health Inspection Services, Plant Protection and Quarantine.

When sending cultures and/or specimens to ARSEF, it is very important to include as much of the following information as possible:

1. Scientific name (and taxonomic authority) of the fungus.
2. Common and scientific name (with taxonomic authority) of the host.
3. Order and family of the host. (***This information is especially important!***)
4. Date and site of collection.
5. Name of collector.
6. Date and name of isolator.
7. Any collection, accession, or other identifier number(s) applied by the collector or sender.
8. Medium on which a culture is sent.
9. Any special requirements or conditions for growth (such as medium, temperature, pH).

Diagnostic Services for Cultures and Specimens

Specimens and cultures of unidentified fungi from invertebrates can be submitted to ARSEF for diagnosis, after consultation with the curator. This service is an important function of the ARS Collections of Entomopathogenic Fungi and is provided without charge.

Release of ARSEF Cultures from Containment or Quarantine

Neither the curator nor any employee of ARSEF or of the EPPRU is entitled to authorize the release of any culture it provides from laboratory containment or quarantine in the United States or elsewhere. Recipients of ARSEF cultures are responsible for obtaining appropriate and necessary permissions from or for providing official notifications to State and Federal regulatory agencies.

Ordering Information

Please send all requests for isolates directly to the Acting Curator (Louela A. Castrillo):

ARS Collection of Entomopathogenic Fungal Cultures
Robert W. Holley Center for Agriculture & Health
Tower Rd.
Ithaca, NY 14853–2901

OR Telephone: [+1] 607 255-7008
Fax: [+1] 607 255-1132
Email: Louela.Castrillo@ars.usda.gov

Academic, Government, and Other Nonprofit Institutions

1–12 isolates [up to 24 per calendar year]

13 or more isolates per order [25 or more per calendar year]

contact Curator

Users from nonprofit institutions can receive up to twelve isolates in any 6 month period, and up to 24 cultures in any calendar year.

Commercial and Industrial Institutions

1–12 isolates [per calendar year]

Users from for profit institutions can receive up to twelve isolates in any calendar year.

Terms of Shipment

All recipients of cultures are requested to provide express shipper account numbers to allow shipping costs to be billed directly to recipients, thus assuring significant cost-savings to the ARSEF collection.

We request confirmation of receipt and viability of cultures shipped. Inviabile strains will be replaced.

ARSEF reserves the right to refuse to ship isolates

- to recipients who cannot handle them using standard microbiological practices,
- to laboratories that cannot assure laboratory containment of isolates except after obtaining permissions from applicable State and Federal regulatory agencies, or
- if use of routine mailing or shipping procedures cannot assure the receipt of viable cultures.

Neither ARSEF nor EPPRU is liable for damages arising from the misidentification of strains.

Interpretation of Strain Accession Data

The following examples provide a guide to the arrangement and interpretation of collection data included in this catalog.

***Beauveria bassiana* (Balsamo) Vuillemin**

2828 M Feng (MD8903). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 89. USA: Parma, Idaho.

2828	ARSEF accession number.
M Feng (MD8903)	Depositor and depositor's reference or accession number.
<i>Metopolophium dirhodum</i> [Homoptera: Aphididae]	Original host [host's order and family]
On spring wheat	The substrate on which the host was found
21 Jul 89	Date of accession or receipt by ARSEF.
USA: Parma, Idaho	Country of origin followed by the locality and state.

***Conidiobolus thromboides* Drechsler**

73 [CSIRO EM534; FPMI 28] RG Kenneth (3040)←ATCC (24419)←DM MacLeod←G Thoizon. *Rhopalosiphum insertum* [Homoptera: Aphididae]. Rec'd Jan 18 1976. France: Val-de-Marne, La Varenne.

73	ARSEF accession number.
[CSIRO EM534; FPMI 28]	Alternative depositions of this strain in other culture collections.
RG Kenneth (3040)	Depositor and depositor's reference or accession number.
←ATCC (24419)←DM MacLeod←G Thoizon	Culture provenance: RG Kenneth obtained the culture from ATCC, which received it from DM MacLeod, who received it from G Thoizon.
<i>Rhopalosiphum insertum</i> [Acari: Eriophyidae]	Original host [host's order and family]
Rec'd Jan 18 1976	Date of receipt by ARSEF.

***Hirsutella thompsonii* Fisher**

137 [ATCC 24874; CBS 952.73] CW McCoy (Fla. 68). *Phyllocoptura oleivora* [Acari: Eriophyidae]. Jan 1 1970. USA: Orlando, Florida.

137	ARSEF accession number.
[ATCC 24874; CBS 952.73]	Alternative depositions of this strain in other culture collections.
CW McCoy (Fla. 68)	Depositor and depositor's reference or accession number.
<i>Phyllocoptura oleivora</i> [Homoptera: Aphididae]	Original host together with the host's order and family.
Jan 1 1970	Date of accession or receipt by ARSEF. Note: January 1 is a default date if an exact date in a year is unknown; the first day of the month is the default if no specific day in a month is known.
USA: Orlando, Florida	Country of origin followed by the locality and state.

Abbreviations

Information about the world's officially registered culture collections, their registered acronyms (e.g., ARSEF), and more is available from the CCINFO database and from other resources available at the website of the World Data Center for Microbiology <http://wdcm.nig.ac.jp/WDCHomePage_text.html>

ARSEF	ARS Collection of Entomopathogenic Fungi, USDA-ARS EPPRU Research Unit, Robert W. Holley Center for Agriculture & Health, Tower Rd., Ithaca, New York, 14853-2901, USA
ATCC	American Type Culture Collection, PO Box 1549, Manassas, Virginia 20108, USA
CATIE	Centro Agronómico Tropical de Investigación y Enseñanza, Proyecto UIP, Apdo. Postal 7170, Turrialba, Costa Rica.
CBS	Centraalbureau voor Schimmelcultures, Uppsalalaan 8, 3584 CT Utrecht, The Netherlands
CCF	Culture Collection of Fungi, Department of Botany, Charles University, Prague, Czech Republic
CCFC	Canadian Collection of Fungus Cultures, Centre for Land and Biological Resources Research, Room 1015, K.W. Neatby Bldg., Ottawa, Ontario K1A 0C6, Canada
CDC	Centers for Disease Control and Prevention, Atlanta, Georgia 30333, USA
CENARGEN	Centro Nacional de Pesquisa de Recursos Geéticos e Biotecnologia, S.A.I.N. Parque Rural, C.P. 102372, 70770 Brasília, D.F., Brazil
CIRI	Corn Insects Research Unit, USDA-ARS, R.R. Box 45B, Ankeny, Iowa 50021, USA
CNPAF	National Center for Agricultural Research on Rice and Beans, EMBRAPA, Goiânia, Goiás, Brazil
CNPS	National Center for Agricultural Research on Soybeans, EMBRAPA, Londrina, Paraná, Brazil
CP	Strains isolated during joint US-Brazil program funded by US-AID to study fungal biocontrol of the insect pests of cowpeas
DAOM	National Mycological Herbarium, Centre for Land and Biological Resources Research, Agriculture Canada, Central Experimental Farm, Ottawa, Ontario, K1A 0C6, Canada
DAR	New South Wales Department of Agriculture, Rydalmere, NSW, Australia
EFCC	Korean Entomopathogenic Fungal Collection (JM Sung, Curator), Dept. of Agricultural Biology, Kangwon National University, Chuncheon, Rep. of Korea
FI	CSIRO Entomology Division, Collection of Entomopathogenic Fungi, Black Mountain Laboratories, Canberra, ACT, Australia. This collection, formerly curated by R. Milner, is now orphaned and is being transferred to ARSEF.
FPMI	Great Lakes Forestry Center (formerly Forest Pest Management Institute), 1219 Queen Street East, Sault Ste. Marie, Ontario P6A 5M7, Canada. This collection, formerly led by D MacLeod and D Tyrrell is orphaned and endangered. Its surviving isolates <i>may</i> be transferred to DAOM.

GCRI	Horticulture Research International (formerly, Glasshouse Crops Research Institute), Worthing Road, Littlehampton, W. Sussex BN17 6LP, England, UK
HACC	Hindustan Antibiotics Ltd., Pimpri, Poona, India
IMI	(Now incorporated in United Kingdom National Culture Collection [UKNCC]) CABI Bioscience, Bakeham Lane, Egham, Surrey TW20 9TY, UK
INRA	Station de Recherches de lutte Biologique et Biocoenotique, INRA (Institut National de la Recherche Agronomique), La Minière – 78280 Guyancourt, France
IPLB	Unité de Lutte Biologique, Institut Pasteur, 28 Rue de Dr. Roux, 75724 Paris, France
IRRI	International Rice Research Institute, P.O. Box 933, Manila, Philippines
KEFC	(see EFCC)
KSU	Kansas State University, Department of Entomology, Manhattan, Kansas 66506, USA
MAF	Ministry of Agriculture and Fisheries, Canterbury Agriculture and Science Centre, Ellesmere Junction Road, P.O. Box 24, Lincoln, New Zealand
MU	Miami University, Willard Sherman Turrell Herbarium, Department of Botany, 79 Upham Hall, Oxford, Ohio 45056, USA
NCTC	National Collection of Type Cultures, Public Health Laboratory Service, 61 Colindale Ave., London NW9 5HT, England, UK
NRRL	ARS Culture Collection, USDA-ARS National Center for Agricultural Utilization Research, 1815 N. University, Peoria, Illinois 61604, USA
PSU	The Pennsylvania State University, 211 Buckhout Laboratory, University Park, Pennsylvania 16802, USA
QEC	Queen Elizabeth College, University of London, Department of Biology, Campden Hill Road, London W8 7AH, England, UK
QM	U.S. Army Natick Laboratories (formerly, Quartermaster Research and Development Center), Natick Massachusetts. Note: This collection has been transferred to NRRL.
RSA	Rancho Santa Ana Botanic Garden, 1500 North College Ave., Claremont, California 91711, USA
SBI	Sugarcane Breeding Institute, Indian Council of Agricultural Research, Coimbatore – 641 007, Tamil Nadu, India
UAF	University of Arkansas, Department of Entomology, 321 Agriculture Building, Fayetteville, Arkansas 72701, USA
UAMH	University of Alberta Microfungus Collection, Devonian Botanic Garden, University of Alberta, Alberta T6G 2H7, Canada

13351 Acc'd May 2017.

[Oomycetes]

- 12837 [IP 403] Sentinel larva, 18 Jan 2015. S. Branca Ecotourism. S 16° 25' 03.30", W 49° 05' 41.87". **RESTRICTED ACCESS:** *contact Curator.*
- 12838 [IP 404] Sentinel larva, 4 Feb 2015. Brazil: Karin House, Cavalcante, Goiás. S 13° 47' 36.03", W 47° 27' 52.52". **RESTRICTED ACCESS:** *contact Curator.*
- 12839 [IP 405] Sentinel larva, 4 Feb 2015. Brazil: Karin House, Cavalcante, Goiás. S 13° 47' 36.16", W 47° 27' 52.79". **RESTRICTED ACCESS:** *contact Curator.*
- 12840 [IP 406] Sentinel larva, 5 Feb 2015. Brazil: Eduardo, Cavalcante, Goiás. S 13° 48' 05.59", W 47° 27' 36.39". **RESTRICTED ACCESS:** *contact Curator.*
- 12841 [IP 407] Sentinel larva, 5 Feb 2015. Brazil: Lavapés, Cavalcante, Goiás. S 13° 48' 14.17", W 47° 27' 59.81". **RESTRICTED ACCESS:** *contact Curator.*
- 12842 [IP 408] Sentinel larva, 7 Feb 2015. Brazil: Engenho, Cavalcante, Goiás. S 13° 37' 46.85", W 47° 28' 47.63". **RESTRICTED ACCESS:** *contact Curator.*
- 12843 [IP 409] Larva, captured by net7 Feb 2015. Brazil: Kalunga, Cavalcante, Goiás. S 13° 34' 57.24", W 47° 28' 21.16". **RESTRICTED ACCESS:** *contact Curator.*
- 12844 [IP 410] Sentinel larva, 8 Feb 2015. Brazil: Colina, Cavalcante, Goiás. S 13° 55' 23.32", W 47° 40' 32.59". **RESTRICTED ACCESS:** *contact Curator.*
- 12845 [IP 411] Sentinel larva, 9 Feb 2015. Brazil: Kilombo, Cavalcante, Goiás. S 13° 46' 21.71", W 47° 27' 32.91". **RESTRICTED ACCESS:** *contact Curator.*
- 12846 [IP 412] Sentinel larva, 10 Feb 2015. Brazil: Alto Paraíso, Goiás. S 13° 54' 06.03", W 47° 23' 01.31". **RESTRICTED ACCESS:** *contact Curator.*
- 12847 [IP 413] Sentinel larva, 10 Feb 2015. Brazil: Alto Paraíso, Goiás. S 13° 56' 00.93", W 47° 26' 29.68". **RESTRICTED ACCESS:** *contact Curator.*
- 12848 [IP 430] Larva, captured by net4 Dec 2015. Brazil: Aruanã, Goiás. S 14° 48' 50.87", W 51° 04' 39.86". **RESTRICTED ACCESS:** *contact Curator.*
- 12849 [IP 431] Larva, captured by net4 Dec 2015. Brazil: Aruanã, Goiás. S 14° 48' 50.87", W 51° 04' 39.86". **RESTRICTED ACCESS:** *contact Curator.*

Unidentified / Hyphomycetes

- 2177 MC Rombach (130586-18). *Recilia dorsalis* [Hemiptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.
- 2225 [ARSEF 2210] MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwuring (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.
- 2999 SV Krueger (MF-Ec). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Feb 1990. USA: Geneva, New York. [Hemiascomyete].
- 3142 AT Gillespie ← J Aagesen. *Thrips tabaci* [Thysanoptera: Thripidae] on cucumber. Rec'd 27 Nov 1990. Denmark: Copenhagen, Tåstrup, Zealand.
- 3820 ERD Reyes (BbCH). Adult, *Aeveolus mexicanus* sorghum. 10 Sep 1992. Mexico: Guanajuato State. our number dom24.
- 4233 [DAT 118] AC Rath (F118). Soil. 11 Jan 1988. Australia: Rosarden, Avoca, Tasmania. Beauveria or Microhilum as contaminant.
- 4689 J McManus (Dn26.Cont.3p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL, Ithaca, New York. Laboratory contaminant found during routine screening assays. Suspected established contaminant which has accounted for large numbers of deaths in an established colony of RWA in quarantine facility.
- 4690 J McManus (Dn29.Cont.3p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Jul 1994. USA: USDA, Ithaca, New York. Laboratory contaminant found during routine screening assays. Suspected established contaminant which has accounted for large numbers of deaths in an established colony of RWA in quarantine facility.
- 4899 LA Lacey (95001). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 Jan 1995. France: Haguenau, Alsace.
- 4900 LA Lacey (95002). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 Jan 1995. France: Haguenau, Alsace.
- 4921 LA Lacey (95023). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4922 LA Lacey (95024). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4923 LA Lacey (95025). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4924 LA Lacey (95026). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4931 LA Lacey (95033). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4932 LA Lacey (95034). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

- 5199 SR Booth (Cox). *Galleria mellonella* [Lepidoptera: Pyralidae]. Rec'd 28 May 1996. USA: Cranberry bog, Bandon, Oregon.
- 5223 LA Lacey (96001). *Popillia japonica* [Coleoptera: Scarabaeidae]. 13 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5224 LA Lacey (96002). *Popillia japonica* [Coleoptera: Scarabaeidae]. 10 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5225 LA Lacey (96003). *Popillia japonica* [Coleoptera: Scarabaeidae]. 10 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5226 LA Lacey (96004). *Popillia japonica* [Coleoptera: Scarabaeidae]. 16 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5227 LA Lacey (96005). *Popillia japonica* [Coleoptera: Scarabaeidae]. 16 May 1996. Japan: Golf course, Sapporo, Hokkaido.
- 5237 P Timper (903a). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Pine Tree, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5238 P Timper (903b). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Pine Tree, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5239 P Timper (BG2). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1987. USA: Fayetteville, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5240 P Timper (907). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Russellville, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5241 P Timper (908). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Russellville, Arkansas. Anamorph of unidentified ascomycete ARF18.
- 5242 P Timper (TN-12). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Ripley, Tennessee. Anamorph of unidentified ascomycete ARF18.
- 5243 P Timper (TN-14). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Lauderdale, Tennessee. Anamorph of unidentified ascomycete ARF18.
- 5244 P Timper (KY-1). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: McCracken, Kentucky. Anamorph of unidentified ascomycete ARF18.
- 5245 P Timper (MS-1). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Desoto, Mississippi. Anamorph of unidentified ascomycete ARF18.
- 5246 P Timper (MS-3). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Desoto, Mississippi. Anamorph of unidentified ascomycete ARF18.
- 5247 P Timper (MS-5). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Tate, Mississippi. Anamorph of unidentified ascomycete ARF18.
- 5248 P Timper (MS-8). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Grenada, Mississippi. Anamorph of unidentified ascomycete ARF18.
- 5677 BL Parker (SPT-014). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hurbit Mountain, Hatay.
- 5695 JM Sung (KEFC-1087). [Coleoptera: Curculionidae]. 9 Jul 1997. Republic of Korea: Yongmoon Mt., Gyeonggi Province.
- 5698 JM Sung (KEFC-1109). *Acanthosoma labiduroides* [Hemiptera: Pentatomidae]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.
- 6503 S Gouli and V Gouli (GA-330). [Hemiptera: Aphididae] on *Solidago gigantea* Ait., Late Goldenrod. 17 Aug 1998. USA: Burlington, Vermont.
- 6504 S Gouli and V Gouli (GA-347). Adult, *Lygus lineolaris* [Hemiptera: Miridae] on *Brassica oleracea* L., broccoli. Oct 1999. USA: Starksboro, Vermont.
- 7066 Acc'd 4 Aug 2004.
- 7067 TG Andreadis. *Fiorinia externa* [Hemiptera: Diaspididae]. Rec'd 18 Oct 2002.
- 7074 KT Hodge (PR14). Twigs or petioles of unknown plant 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 7076 KT Hodge (PR22). [Hemiptera: spf. Coccoidea] on leaf of *Schefflera morototoni*. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Bisley Trail, Río Grande Municipio, Puerto Rico.
- 7078 KT Hodge (PR31). [Diptera] on frond of *Prestoea montana*. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.
- 7081 KT Hodge (PR34). [Hemiptera: spf. Coccoidea] on living fern pinnae. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.
- 7086 KT Hodge (PR58A). [Hemiptera: spf. Coccoidea]. 8 Jul 2002. USA: Bosque Estatal de Susúa, Trail 5, Camino Mariano, Puerto Rico.
- 7345 M Liu. [Araneida] on *Citrus x paradisi* Macfad., grapefruit. . 11 Aug 2003. USA: Southwest Florida Research and Education Center, Immokalee, Florida.
- 7349 M Liu. 19 Aug 2003. USA: Lake Alfred, Florida.
- 7350 M Liu. 20 Aug 2003.
- 7374 LG Leite. [Acari] on leaves of *Coffea* sp., coffee. Rec'd 20 May 2004. Brazil: São Paulo.

- 7383 SB Alves. *Orthezia insignis* [Hemiptera: Ortheziidae]. Rec'd 28 Jul 2004. Brazil. **RESTRICTED ACCESS:** *contact Curator.*
- 7384 M Liu (ml173-2). 16 Dec 2003. USA: Guilarte, Route 518, beside school, Adjuntas, Puerto Rico. Cultured from *Tetracrium* sp.
- 7386 M Liu (ml180). [Hemiptera: Coccoidea]. 16 Dec 2003. USA: Guilarte, Adjuntas, Puerto Rico.
- 7392 M Liu (ml166). [Hemiptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico.
- 7678 P Chaverri (MC 155). Rec'd 14 Sep 2004.
- 7679 P Chaverri (MC 166). Rec'd 14 Sep 2004.
- 7802 L Erickson and CA Fuller (#8 HH23P all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.
- 7806 [SRCAMB B-56] V Likhovidov ← BA Borisov. [Hemiptera] Isolated from stroma. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-283.
- 8155 LS Bauer and H Liu (MF-246). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.
- 8179 LS Bauer and H Liu (MF-273). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.
- 8183 LS Bauer and H Liu (MF-281). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.
- 8184 LS Bauer and H Liu (MF-282). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 10 Aug 2006. USA: Lansing, Michigan.
- 8480 WC Luz (eco 109) or (T11). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator.*
- 8598 [CSIRO FI-0931] Rec'd 18 May 2007.
- 8640 [ARSEF 7985; CENARGEN CG 422] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Dom Aquino, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator.*
- 8641 [CENARGEN CG 639] [Coleoptera]. Rec'd 18 Sep 2007. Ghana. **RESTRICTED ACCESS:** *consult Curator.*
- 9364 [ERL 1659] S Gouli and V Gouli (HWA-G-15). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9366 [ERL 1666] S Gouli (HWA-G-25) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9538 [SRCAMB VL-1632/1] V Likhovidov. *Parthenolecanium corni* [Hemiptera: Coccidae]. 18 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-474.
- 9539 [SRCAMB VL-1555/2] V Likhovidov. [Hemiptera: Aleyrodidae]. 12 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-506.
- 9540 [SRCAMB VL-1715/3] V Likhovidov. Larva, [Lepidoptera]. 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-777.
- 10171 [ERL 1847] S Gouli and V Gouli (Thr.-10-55). [Diptera] fungus gnats. 2010. USA: Rupert, Vermont.
- 10191 [ERL 1869] S Gouli (Thr.-10-77) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Westfield, Vermont.
- 10281 [ERL 1922] S Gouli (Thr.-10-129) and V Gouli. [Acari]. 2010. USA: Underhill, Vermont.
- 10282 [ERL 1927] S Gouli (Thr.-10-133) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10283 [ERL 1928] S Gouli and V Gouli (Thr.-10-134). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10284 [ERL 1929] S Gouli (Thr.-10-135) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10285 [ERL 1930] S Gouli (Thr.-10-136) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10286 [ERL 1931] S Gouli and V Gouli (Thr.-10-137). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10292 [ERL 1937] S Gouli and V Gouli (Thr.-10-143). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10293 [ERL 1938] S Gouli (Thr.-10-144) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10307 [ERL 1952] S Gouli and V Gouli (Thr.-10-158). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.
- 10386 [ERL 1959] S Gouli (SB-10-6) and V Gouli. *Halymorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.
- 10387 [ERL 1960] S Gouli and V Gouli (SB-10-7). *Halymorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.
- 10392 [ERL 1965] S Gouli (SB-10-12) and V Gouli. *Halymorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.
- 11666 JL Hatting (TPC 019). *Cochliotus melolonthoides* [Coleoptera: Scarabaeidae]. 20 Jun 2011. Tanzania: Sugarcane field.
- 11752 [ERL 2001] Isolated from soil from ant nest. 2011. USA: Ozona, Texas.
- 12027 [ERL 2106] S Gouli (A-12/5) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: Animas, New Mexico.

- 12028 [ERL 2107] S Gouli (A-12/6) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: Animas, New Mexico.
- 12029 [ERL 2108] S Gouli (A-12/7) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Santa Cruz County, Arizona.
- 12030 [ERL 2109] S Gouli (A-12/8) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: McCartney Road, Arizona.
- 12031 [ERL 2110] S Gouli (A-12/9) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Fredericksburg, Texas.
- 12041 [ERL 2121] S Gouli (A-12/20) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: McCartney Road, Arizona.
- 12042 [ERL 2122] S Gouli (A-12/21) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: McCartney Road, Arizona.
- 12043 [ERL 2124] S Gouli (A-12/23) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: Fredericksburg, Texas.
- 12044 [ERL 2125] S Gouli (A-12/24) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: Fredericksburg, Texas.
- 12045 [ERL 2126] S Gouli (A-12/25) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: Fredericksburg, Texas.
- 12047 [ERL 2132] S Gouli (A-12/31) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: State Line Road, Arizona.
- 12085 [ERL 2172] S Gouli and V Gouli (PS-12/34). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Charlestown, Rhode Island.
- 12086 [ERL 2173] S Gouli (HWA-12/1) and V Gouli. Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Sep 2012. USA: Dummerston, Vermont.
- 12087 [ERL 2174] S Gouli and V Gouli (HWA-12/2). Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Sep 2012. USA: Dummerston, Vermont.
- 12088 [ERL 2175] S Gouli (HWA-12/3) and V Gouli. Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Sep 2012. USA: Dummerston, Vermont.
- 12090 [ERL 2177] S Gouli (HWA-12/5) and V Gouli. Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Sep 2012. USA: Dummerston, Vermont.
- 12163 I Erper (TR-55-1). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12164 I Erper (TR-55-2). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12167 I Erper (TR-55-5). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey. *Isaria ?cateniannulata* RAH.
- 12170 I Erper (TR-06-2). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12171 I Erper (TR-78-1). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12176 I Erper (TR-78-6). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12178 I Erper (TR-78-8). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12179 I Erper (TR-78-9). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12180 I Erper (TR-78-10). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12181 I Erper (TR-78-11). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12904 A Khan (TAB 3) or (TA #3 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Tabaquite, Trinidad and Tobago.
- 12908 A Khan (TAB 9) or (TA #9 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Tabaquite, Trinidad and Tobago.

Unidentified / Zygomycetes

- 2022 IL Sivcev (55/85). *Aphis fabae* [Hemiptera: Aphididae] on poppy. 1985. Yugoslavia: Micunovo, Vovvodina.
- 4970 J McManus (DnId95Co24p). *Diuraphis noxia* [Hemiptera: Aphididae]. 12 Jun 1995. USA: Experimental plot; U. Idaho Research & Extension Center, Aberdeen, Idaho.
- 4971 J McManus (DnId95Co14p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Jun 1995. USA: Experimental plot; U. Idaho Research & Extension Center, Aberdeen, Idaho.
- 6119 BL Parker (GA 339). Adult, *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 16 Feb 1999. Syria: ICARDA.
- 6157 BL Parker (GA-267-10). [Hemiptera: Aphididae] on *Asclepias syriaca*. 26 Sep 1997. USA: Burlington, Vermont.
- 6158 BL Parker (GA-279). [Hemiptera: Aphididae] on *Asclepias syriaca*. 28 Sep 1997. USA: Burlington, Vermont.
- 6159 BL Parker (GA-305). [Hemiptera: Aphididae] on bean. 16 Oct 1997. USA: Burlington, Vermont.
- 6160 BL Parker (GA-337). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 16 Feb 1999. Syria: ICARDA.
- 6507 S Gouli and V Gouli (GA-356). [Hemiptera: Aphididae] on *Lactuca sativa* L., lettuce. 12 Sep 1999. USA: Burlington, Vermont.

- 6508 S Gouli and V Gouli (GA-357). [Hemiptera: Aphididae] on *Asclepias syriaca* L., Common Milkweed. 26 Sep 1999. USA: Burlington, Vermont.
- 6509 S Gouli and V Gouli (GA-358). [Hemiptera: Aphididae] on *Pisum sativum* L., garden peas. 7 Aug 1999. USA: Burlington, Vermont.
- 6510 S Gouli and V Gouli (GA-359). [Hemiptera: Aphididae] on *Capsicum annuum* L., pepper. 25 Sep 1999. USA: Burlington, Vermont.
- 6511 S Gouli and V Gouli (GA-360). [Hemiptera: Aphididae] on *Brassica oleracea* L., cabbage. 25 Sep 1999. USA: Burlington, Vermont.
- 7943 B Huang (B4). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

Unidentified Entomophthorales sp.

[Entomophthoromycotina: Entomophthorales]

- 7227 AE Hajek (03 NY 8-1-1). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.
- 7228 AE Hajek (03 NY 8-1-2). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.
- 7229 AE Hajek (03 NY 8-1-3). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.
- 7230 AE Hajek (03 NY 8-1-4). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.

Unidentified sp.

These fungi were accessioned without verified identifications. Many strains listed here will be reassigned to known taxa as quickly as the opportunity allows. Some strains are undescribed new species; some are sterile and may not be identifiable to a level lower than the class.

- 1013 J Aoki (Ent. 38) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1051 J Aoki (Ent. 39) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1356 [ARSEF 1420] S Balazy (1595c). Rec'd 19 May 1984. Poland.
- 1415 S Balazy (1550). Larva, *Hibernia defoliaria* [Lepidoptera: Geometridae] attached to the underside of leaves in forest undergrowth. 22 May 1983. Poland: Bialowieza National Park.
- 1417 S Balazy (1547b). Larva, *Hibernia defoliaria* [Lepidoptera: Geometridae] attached to the underside of leaves in forest undergrowth. 22 May 1983. Poland: Bialowieza National Park.
- 1419 S Balazy (1451'). [Araneida] under a leaf of *Tussilago farfara* in a deciduous forest. 2 Aug 1982. Poland: Wielkopolski National Park.
- 1420 [ARSEF 1356] S Balazy (1595c). Rec'd 19 May 1984. Poland.
- 1421 S Balazy (1552). Adult, *Cratichneumon lanius* [Hymenoptera: Ichneumonidae] attached to the underside of a leaf. 21 May 1983. Poland: Bialowieza National Park.
- 1423 S Balazy (1508m). Juveniles & adults, [Hemiptera] attached to underside of leaves of *Stachys silvaticus* in a leafy forest. 26 Jul 1982. Poland: Wielkopolski National Park.
- 1634 [ARSEF 1667 (deaccessioned)] TJ Poprawski (0120). Nymph, [Coleoptera]. 27 Jun 1984. France: Saint-Étienne du Bois, Loire.
- 1693 IL Sivcev (202). Alate, [Hemiptera: Aphididae] on cabbage. 26 Jun 1984. Yugoslavia: PKB Commune, E. Belgrade.
- 1694 IL Sivcev (216). Alate, [Hemiptera: Aphididae] on cabbage. 10 Jul 1984. Yugoslavia: PKB Commune, E. Belgrade.
- 1703 MC Rombach (E). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. Acc'd 6 Nov 1984. Philippines: IRRRI, Los Baños, Manila.
- 1922 M Shimazu (FE2). [Diptera]. Summer 1985. USA: Allegany State Park, Salamanca, New York.
- 2528 GC Carroll (VO25) ← R Radcliffe. Phylum Nemata, Class Secernentea baited with barnyard soil. Winter 1982. USA: Marcola, Oregon.
- 2563 JC Lord (Bartow C). *Anopheles* sp. [Diptera: Culicidae]. 8 Feb 1988. USA: abandoned phosphate pit, Bartow, Florida.
- 2640 DW Roberts ← SB Alves (587). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 23 Nov 1988. Brazil: Cuiabá, Mato Grosso.
- 2746 GW Riethmacher (B10K). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 28 Feb 1989. Philippines: La Trinidad, Benguet.
- 2821 GW Riethmacher (E8). *Plutella xylostella* [Lepidoptera: Plutellidae]. 4 May 1989. Philippines: La Trinidad, Benguet.
- 3122 G Mercadier and TJ Poprawski (8854 (first form)). [Hemiptera: Aphididae] on *Bromus* sp. 10 Aug 1988. France: Béhoust, Yvelines.
- 3123 K Ostrovska (53). *Lutzomyia* sp. [Diptera: Psychodidae]. Rec'd 3 Dec 1991. Costa Rica: La Montana.
- 3124 K Ostrovska (54). *Lutzomyia* sp. [Diptera: Psychodidae]. Rec'd 3 Dec 1991. Costa Rica: Nazareth, Guanacaste.
- 3125 G Mercadier and TJ Poprawski (9009). [Hemiptera: Aphididae] on asparagus. 30 May 1990. France: Béhoust, Yvelines.
- 3128 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 12 Oct 1990. USA: greenhouse colony, Ithaca, New York.
- 3209 Yoder Bros. Inc. [Araneida] on azalea. Rec'd 27 Mar 1992. Location not specified.
- 3227 M Nadeau (213). Adult, [Diptera: Simuliidae]. 1 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

- 3228 M Nadeau (336). Adult, [Diptera: Simuliidae]. 17 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3230 M Nadeau (371). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3231 M Nadeau (362). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3232 M Nadeau (327). Adult, [Diptera: Simuliidae]. 4 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3233 M Nadeau (373). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3235 M Nadeau (329). Adult, [Diptera: Simuliidae]. 4 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3236 M Nadeau (454). Adult, [Diptera: Simuliidae]. 11 Sep 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3239 I Majchrowicz (2) ← GL Nordin. *Myzus nicotinae* [Hemiptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.
- 3242 M Nadeau (421). Adult, [Trichoptera]. 16 Aug 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3243 M Nadeau (386). Adult, [Trichoptera]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3245 M Nadeau (231). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3246 M Nadeau (240). Adult, [Diptera: Simuliidae]. 20 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3247 M Nadeau (228). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3298 J Gutierrez Samperio (14) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.
- 3299 J Gutierrez Samperio (15) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.
- 3304 J Gutierrez Samperio (20) ← ERD Reyes. *Dialeurodes citri* [Hemiptera: Aleyrodidae] on Citrus. 1990. Mexico: Tecomán, Colima.
- 3319 M Brownbridge (Perry 3). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. Location not specified.
- 3368 N Underwood ← SP Wraight. *Metopolophium dirhodum* [Hemiptera: Aphididae] on late-sown spring wheat. 9 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.
- 3374 MB von Wechmar ← JM Laubscher. *Rhopalosiphum padi* [Hemiptera: Aphididae]. Sep 1989. South Africa: (32.48 S; 18.53 E) Pools, South Western Cape, Cape Province. Virus contaminants: aphid lethal paralysis virus (ALPV) and *Rhopalosiphum padi* virus (RhPV); Family: Picornaviridae, (tentative genus: *Enterovirus*).
- 3378 K Ostrovska (3) ← PG Lawlor. *Lutzomyia* sp. [Diptera: Psychodidae]. Jul 1991. Guatemala: Tical, Petén.
- 3380 K Ostrovska (6) ← GC Lanzaro. *Anopheles gambiae* [Diptera: Culicidae]. 24 Aug 1991. Mali: inside houses, Werekla, Koulikoro.
- 3381 K Ostrovska (9) ← GC Lanzaro. *Anopheles gambiae* [Diptera: Culicidae]. 24 Aug 1991. Mali: inside houses, Werekla, Koulikoro.
- 3413 K Ostrovska (20) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3417 K Ostrovska (26) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3419 K Ostrovska (29) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3420 K Ostrovska (31) ← MV Herrero. *Lutzomyia* sp. [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3421 K Ostrovska (33) ← MV Herrero. *Lutzomyia* sp. [Diptera: Psychodidae]. 23 Sep 1991. Costa Rica: Brasilito, Guanacaste.
- 3422 K Ostrovska (34) ← MV Herrero. Male, *Lutzomyia longipalpis* [Diptera: Psychodidae]. 23 Sep 1991. Costa Rica: Brasilito, Guanacaste.
- 3423 K Ostrovska (35). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.
- 3424 K Ostrovska (36). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.
- 3425 K Ostrovska (37). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.
- 3426 K Ostrovska (40). Male, *Lutzomyia trapidoi* [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.
- 3427 K Ostrovska (42). *Lutzomyia* sp. [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.
- 3428 K Ostrovska (47). *Lutzomyia* sp. [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.
- 3466 CENARGEN (CG 6). Soil. 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3467 CENARGEN (CG 134). Pupa, *Euselasia* sp. [Lepidoptera: Riodinidae]. 1988. Brazil: Rio Grande do Sul.
- 3468 CENARGEN (CG 135). Larva, *Euselasia* sp. [Lepidoptera: Riodinidae]. 1988. Brazil: Rio Grande do Sul.

- 3470 CENARGEN (CG 182). Soil. Jun 1990. Brazil: Campo Grande, Mato Grosso.
- 3471 CENARGEN (CG 304). *Sternechus subsignatus* [Coleoptera: Curculionidae]. 1990. Brazil: Passo Fundo, Rio Grande do Sul.
- 3473 CENARGEN (CG 309). Soil. 1990. Brazil: Salto da Divisa, Mato Grosso.
- 3474 CENARGEN (CG 310). Soil. 1990. Brazil: Jequiê, Bahia.
- 3475 CENARGEN (CG 188). Soil. 1991. Brazil: Brasília, Distrito Federal.
- 3476 CENARGEN (CG 189). Soil. 1991. Brazil: Brasília, Distrito Federal.
- 3478 CENARGEN (CG 311). *Aracanthus* sp. [Coleoptera: Curculionidae]. 1990. Brazil: Santa Maria, Rio Grande do Sul.
- 3536 J Hernández Ramírez (2). *Prosapia simulans* [Hemiptera: Cercopidae]. Rec'd 23 Jan 1992. Costa Rica.
- 3560 M Brownbridge (R-28). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3567 M Brownbridge (HL-4). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.
- 3568 M Brownbridge (HL-5). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.
- 3569 M Brownbridge (HL-6). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.
- 3570 M Brownbridge (WFT-3). *Frankliniella occidentalis* [Thysanoptera: Thripidae] on chrysanthemum. Aug 1991. USA: greenhouse, Burlington, Vermont.
- 3571 M Brownbridge (S-1). Soil. 12 Jan 1992. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3624 CENARGEN (CG 186). Soil. Jun 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3625 CENARGEN (CG 193). Soil. Oct 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3626 CENARGEN (CG 262). Soil. May 1991. Brazil: Tocantins, Goiás.
- 3627 CENARGEN (CG 263). Soil. Jun 1991. Brazil: Coronel Musto, Mato Grosso.
- 3628 CENARGEN (CG 264). Soil. Jun 1991. Brazil: Itacambari, Mato Grosso.
- 3629 CENARGEN (CG 265). Soil. May 1991. Brazil: Porto Nacional, Goiás.
- 3630 CENARGEN (CG 266). Soil. May 1991. Brazil: Balsas, Maranhão.
- 3631 CENARGEN (CG 268). Soil. Jun 1991. Brazil: Mato Grosso.
- 3632 CENARGEN (CG 269). Soil. Jun 1991. Brazil: Coronel Musto, Mato Grosso.
- 3633 CENARGEN (CG 270). Soil. May 1991. Brazil: Araguaína, Goiás.
- 3634 CENARGEN (CG 271). Soil. May 1991. Brazil: Teresina, Piauí.
- 3635 CENARGEN (CG 275). Soil. May 1991. Brazil: Tasso Fragoso, Maranhão.
- 3636 CENARGEN (CG 308). Soil. Jun 1990. Brazil: Sorriso, Mato Grosso.
- 3637 CENARGEN (CG 334). Soil. Oct 1990. Brazil: Campinas, São Paulo.
- 3638 CENARGEN (CG 335). Soil. Jun 1990. Brazil: Barra do Garça, Mato Grosso.
- 3639 CENARGEN (CG 345) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3640 CENARGEN (CG 346) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3641 CENARGEN (CG 347) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3642 CENARGEN (CG 348) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3644 CENARGEN (CG 350) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3645 CENARGEN (CG 351) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3646 CENARGEN (CG 352) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3647 CENARGEN (CG 353) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3648 CENARGEN (CG 354) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3649 CENARGEN (CG 355) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3650 CENARGEN (CG 356) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3651 CENARGEN (CG 357) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3652 CENARGEN (CG 358) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3653 CENARGEN (CG 359) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3654 CENARGEN (CG 360) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3655 CENARGEN (CG 361) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.
- 3656 CENARGEN (CG 362) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3657 CENARGEN (CG 363) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.
- 3714 RA LeBrun ← J Hanula (C-5). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 1 Jul 1991. Location not specified.
- 3719 RA LeBrun ← J Hanula (W-2). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.

- 3722 Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 21 Jun 1991. USA: Groton, Connecticut.
- 3724 S DeFazio. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 18 May 1992. Location not specified.
- 3726 P Narayanasamy (33). Rec'd 28 May 1992. Location not specified.
- 3727 P Narayanasamy (31). Rec'd 28 May 1992. Location not specified.
- 3728 P Narayanasamy (34). Rec'd 28 May 1992. Location not specified.
- 3729 P Narayanasamy (32). Rec'd 28 May 1992. Location not specified.
- 3739 AE Hajek ← JA Tanner ← L Garcia. 23 Apr 1992. USA: in or near an old trap, North Carolina.
- 3766 DW Roberts ← A Bellotti (9241). 3 Apr 1992. Colombia.
- 3773 SP Wraight (SPW-13). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 18 Jul 1992. India: Padappai.
- 3779 SP Wraight (SPW-14). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] eggplant leaves. 18 Jul 1992. India: Padappai.
- 3793 ARN Farias. Rec'd 19 Oct 1992. Brazil. On cassava.
- 3794 M Brownbridge (MLC1). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 23 Feb 1993.
- 3796 M Brownbridge (MLC9). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 26 Feb 1993.
- 3797 M Brownbridge (MLC11). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 26 Feb 1993. Location not specified.
- 3798 ERD Reyes (PF2). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 31 Jul 1990. Mexico: Colima.
- 3799 ERD Reyes (PF3). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 6 Jan 1991. Mexico: Colima.
- 3801 ERD Reyes (SMB1). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 9 Feb 1992. Mexico: Colima.
- 3802 ERD Reyes (SMBIII). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] watermelon. 9 Feb 1992. Mexico: Colima.
- 3803 ERD Reyes (PFRD). Larva, *Diaphania hyalinata* [Lepidoptera: Crambidae] melon. 5 Nov 1990. Mexico: Colima.
- 3804 ERD Reyes (VD). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae] sugarcane. 25 Mar 1992. Mexico: Colima.
- 3805 ERD Reyes (MBP). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.
- 3806 ERD Reyes (MBCH). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.
- 3807 ERD Reyes (PFY). Adult, *Bemisia* sp. [Hemiptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.
- 3821 ERD Reyes (BbCO2) or (BbH). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae] OVERWINTERING SITE. 9 Oct 1992. Mexico: Guanajuato State.
- 3841 LA Lacey (92140). *Popillia japonica* [Coleoptera: Scarabaeidae]. Rec'd 24 Nov 1992. Portugal: Terceira Island, Azores.
- 3842 LA Lacey (92101). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 27 Sep 1992. Pakistan: Multan.
- 3844 LA Lacey (92133). ?, *Bemisia tabaci* [Hemiptera: Aleyrodidae] ?. Rec'd 24 Nov 1992. Nepal: Katmandu Valley, Katmandu.
- 3845 LA Lacey (92113). ?, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 14 Oct 1992. Pakistan: Multan.
- 3847 LA Lacey (92102). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 4 Oct 1992. Pakistan: Multan.
- 3849 LA Lacey (92153). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 8 Sep 1992. Pakistan: Multan.
- 3850 LA Lacey (92124). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. 16 Oct 1992. Pakistan: Multan.
- 3856 [JB Tavares BRA-000132] MS Tigano-Milani (CG-334). Soil. Rec'd 13 Jan 1993. Brazil.
- 3860 [JB Tavares BRA-000027] MS Tigano-Milani (CG-76#2). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 13 Jan 1993. Brazil.
- 3869 LA Lacey (92158). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Sep 1992. India: Podumbu.
- 3876 LA Lacey (92117) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Jan 1993. Pakistan: Multan.
- 3894 LA Lacey (92075) ← G Mercadier. [Hemiptera: Aphididae]. 19 Jun 1992. USSR: Caucasus . Host: cereal aphids.
- 3943 NSA Negreiros (7567). 24 May 1993.
- 3944 Acc'd 18 Oct 1993.
- 3945 Rec'd 7 Jul 1993.
- 3947 Rec'd Jul 1993.
- 3962 Acc'd 18 Oct 1993.
- 3980 LA Lacey (93017) ← S Reichert. Adult, *Oulema melanopus* [Coleoptera: Chrysomelidae]. 19 Apr 1993. France: La Valette.
- 3990 LA Lacey (93027) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.
- 3991 LA Lacey (93028) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.
- 3992 LA Lacey (93029) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.
- 3993 LA Lacey (93030) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.

- 3994 LA Lacey (93031) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3997 LA Lacey (93034) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3998 LA Lacey (93035) ← F Herard. Larva, *Yponomeuta* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 4000 LA Lacey (93037) ← Heruies. [Hemiptera: Membracidae]. 4 Apr 1993. Brazil: Bahia.
- 4003 LA Lacey (93040) ← Heruies. [Hemiptera: Aleyrodidae] Citrus. 30 Apr 1993. Brazil: Bahia.
- 4037 T Steenberg (251). *Phyllotreta nigripes* [Coleoptera: Chrysomelidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4140 [DAT 25] AC Rath (F025). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1986. Australia: Hamilton, Tasmania.
- 4147 [DAT 87] AC Rath (F087) ← H Yip. Soil. 6 Jan 1988. Australia: Mt Wellington, Hobart, Tasmania.
- 4201 LA Lacey (94014) ← La Casa. Larva, *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 5 May 1993. Spain: Murcia.
- 4204 LA Lacey (94035). [Hemiptera: Aphididae] Eggplant. 24 Mar 1994. Malaysia: Kuala Terla.
- 4214 LA Lacey (94046) ← K Hopper. [Hemiptera: Aphididae] Wheat. 19 Mar 1994. Israel: Negeu Desert, Revevim.
- 4215 LA Lacey (94042) ← K Hopper. [Hemiptera: Aphididae] Wheat. 19 Mar 1994. Israel: Negeu Desert, Revevim.
- 4844 JM Sung (C-45). Adult, [Hymenoptera: Apidae]. 14 Aug 1990. Republic of Korea: Guryungryung, Kangwon-do.
- 4859 BL Parker (AVRDC-0058B). Soil Eggplant. 14 Mar 1994. Republic of China: AVRDC Field 105, Taiwan.
- 4860 BL Parker (AVRDC-0321B). Soil Home Garden, Mixed vegetables. 12 May 1994. Republic of China: Taiwan.
- 4861 BL Parker (AVRDC-0337B). Soil Eggplant. 18 May 1994. Republic of China: NPPI, Taiwan.
- 6370 Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 2 Jul 1997. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.
- 6463 [CIAT 048] D Peck. Adult, female, *Zulia carbonaria* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6466 [CIAT 051] D Peck. Adult, female, *Zulia carbonaria* [Hemiptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6895 E Zhioua (Tick #1). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.
- 6899 E Zhioua (Tick #4). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.
- 7070 KT Hodge (PR7). [Hemiptera: Aleyrodidae] on large leaves. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 9334 [ERL 1634] S Gouli (SVG-09) and V Gouli. *Tipula* sp. [Diptera: Tipulidae]. 2009. USA: Vermont.
- 9921 [ERL 1756] S Gouli (HWA-G-34) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: Maine.
- 11784 AP Gryganskyi (Caterp 1b). Rec'd 29 May 2012.
- 12860 [IP 424] Larva, 5 Jul 2014. RPPN SB, Joao Leite River. **RESTRICTED ACCESS: contact Curator.**
- 12861 [IP 425] Larva, 12 Jul 2014. RPPN SB, near Eco-tourism. **RESTRICTED ACCESS: contact Curator.**
- 12862 [IP 426] Isolated from soil sample using *Aedes aegypti* L. [Diptera: Culicidae] as bait. 6 Sep 2014. Lago Nery. **RESTRICTED ACCESS: contact Curator.**
- 12863 [IP 427] Isolated from soil sample using *Aedes aegypti* L. [Diptera: Culicidae] as bait. 6 Sep 2014. Lago Nery. **RESTRICTED ACCESS: contact Curator.**
- 12864 [IP 428] Isolated from soil sample using *Aedes aegypti* L. [Diptera: Culicidae] as bait. 9 Oct 2014. Lago Verde. S 16° 35' 24.57", W 49° 21' 42.04". **RESTRICTED ACCESS: contact Curator.**
- 12865 [IP 429] Isolated from soil sample using *Aedes aegypti* L. [Diptera: Culicidae] as bait. 9 Oct 2014. Lago Verde. S 16° 35' 28.38", W 49° 21' 42.62". **RESTRICTED ACCESS: contact Curator.**
- Acronium sp.**
[Sordariomycetes: Hypocreales]
- 4058 T Steenberg (BP2). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4059 T Steenberg (BP4). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4063 T Steenberg (TT5) ← H Brødsgaard. *Thrips tabaci* [Thysanoptera: Thripidae]. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 5773 BL Parker (AT 145). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.
- 7402 M Liu (ml189). 17 Dec 2003. USA: Toro Negro, Puerto Rico.
- 11667 JL Hatting (MSIRI 58). *Pulvinaria iceryi* [Hemiptera: Coccidae]. 25 Jul 2011. Mauritius: Sugarcane field, Mare d'Australia, Flacq.
- Acronium alternatum** Link : Fries
[Sordariomycetes: Hypocreales]
- 7282 FE Vega (CBB9-2). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jan 2004. Colombia: Chinchiná, Caldas.

Acremonium bactrocephalum W Gams
[Sordariomycetes: Hypocreales]

- 10166 [ERL 1828] S Gouli (Thr.-10-36) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.
- 10167 [ERL 1829] S Gouli and V Gouli (Thr.-10-37). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10168 [ERL 1830] S Gouli (Thr.-10-38) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10169 [ERL 1831] S Gouli and V Gouli (Thr.-10-39). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.

Acremonium berkeleyanum (Karsten) Gams
[Sordariomycetes: Hypocreales]
Nectriaceae

- 2067 [ATCC 64865] GC Carroll (3(RSRS-0/34)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Acremonium furcatum F&R Moreau ex Gams
[Sordariomycetes: Microascales]
Microasceae

- 1372 TJ Poprawski (083). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 21 Jun 1983. France: Choisy-en-Brie, Haute-Savoie.

Acremonium psamosporum W Gams
[Sordariomycetes: Hypocreales]

- 4062 T Steenberg (TT3) ← H Brødsgaard. *Thrips tabaci* [Thysanoptera: Thripidae]. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

Acremonium roseum (Oudemans) Gams
[Sordariomycetes: Hypocreales]

- 1964 [CNPAF 85-7-30; CP 190] JC Lord and BP Magalhães. *Pseudoplusia ni* [Lepidoptera: Noctuidae]. 30 Jul 1985. Brazil: Nordeste.

Acremonium(?) sp.

[Sordariomycetes: Hypocreales]

- 7031 RG Hollingsworth (KNF2001-10). *Frankliniella occidentalis* [Thysanoptera: Thripidae] from laboratory colony. 16 May 2001. USA: U. S. Pacific Basin Agricultural Research Center, Hilo, Hawai'i.
- 7036 RG Hollingsworth (KNF2002-6). [Hemiptera: Coccidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.
- 9368 [ERL 1668] S Gouli (HWA-G-17) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

Acrodontium crateriforme (Van Beyma) de Hoog
[Leotiomyces: Leotiales]
Leotiaceae

- 2070 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Akanthomyces aculeatus Lebert
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7351 M Liu. 20 Sep 2003. limestone peak.

Akanthomyces clavatus (Mains) *comb. nov.*, unpublished
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7577 RM Pereira (Y4Y). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. 16 Dec 2003. USA: USDA ARS CMAVE, Gainesville, Florida.

Akanthomyces gracilis Samson & HC Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 2910 CBS (741.73). *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana.

- 2919 CBS (141.73) ← RA Samson. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve.

Alternaria sp.

[Dothideomycetes: Pleosporales]

Pleosporaceae

- 6588 RT Mayer (FIEP #21). Rec'd 21 Sep 2000.

Amoebidium appalachense Siri, MM White & Lichtwardt
[Mesomycetozoa: Amoebidiales]

- 9181 RW Lichtwardt (TN-27-W1A). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

- 9255 RW Lichtwardt (TN-27-A3(a)). *Chironomus* sp. [Diptera: Chironomidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

- 9256 RW Lichtwardt (TN-27-W4). *Chironomus* sp. [Diptera: Chironomidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

Amoebidium parasiticum Cienkowski
[Mesomycetozoa: Amoebidiales]

- 9182 RW Lichtwardt (FRA-1-14). [Cladocera]. Jun 1968. France: Hérault.

- 9183 RW Lichtwardt (JAP-7-2). *Chironomus* sp. [Diptera: Chironomidae]. Mar 1964. Japan: Honshu.

- 9257 RW Lichtwardt (A1a). [Cladocera]. 1959. USA: southern California, California.

***Aphanocladium* sp.**

[Sordariomycetes: Hypocreales]

- 8457 [CEP 200; LPSC 879] AV Toledo. Adult, *Delphacodes kuscheli* [Hemiptera: Delphacidae] on *Hordeum vulgare* L., barley. 6 Jun 2005. Argentina: La Plata, Buenos Aires.
- 8458 [CEP 201; LPSC 880] AV Toledo. Adult, *Delphacodes kuscheli* [Hemiptera: Delphacidae] on *Hordeum vulgare* L., barley. 6 Jun 2005. Argentina: Los Hornos, Buenos Aires.

***Aphanocladium album* (Preuss) Gams**

[Sordariomycetes: Hypocreales]

Nectriaceae

- 1329 TJ Poprawski (085). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 5 Jun 1983. France: Chichery.
- 3680 LS Osborne. *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tomato. Rec'd Apr 1992. USA: Apopka, Florida.
- 5756 BL Parker (SPT 026/2). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Al Kilabia.
- 5998 KT Hodge. Rec'd 1 Dec 1998. USA: Oregon.
- 6492 BL Parker (SPT-KZ-425). Exuvium, [Araneida: Araneae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS.**

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***Aphanomyces* sp.**

[Oomycetes: Saprolegniales]

Leptolegniaceae

- 2005 [ATCC 58381] BA Jaffee (Lag3). *Xiphinema americanum* [Dorylaimida: Longidoridae]. 9 Jul 1984. USA: Adams County, Pennsylvania.
- 12903 A Khan (StA 7) or (CO #7 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: St. Augustine, Trinidad and Tobago.

***Aphanomyces astaci* Schikora**

[Oomycetes: Saprolegniales]

Leptolegniaceae

- 12826 Rec'd 21 Jan 2015.

***Arthrobotrys amerospora* Schenck, Kendrick & Pramer**

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 4808 Host not specified. Rec'd 29 Sep 1994. Location not specified.
- 4809 [CBS CBS 325.94] A Rubner (A.R. 9226). Host not specified. Rec'd 29 Sep 1994. Location not specified.

***Arthrobotrys brochopaga* (Drechsler) Schenck,**

Kendrick & Pramer

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 4815 [CBS 332.94] A Rubner (AR 9314). From rural soil. Mar 1993. Ecuador: Provincia de Manabí.
- 4937 BA Jaffee (CR125). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994.

***Arthrobotrys cladodes* var. *macroides* Drechsler**

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 4800 A Rubner (AR 9337). From soil of warm greenhouse. Sep 1993. Germany: Botanical Garden, Jena, Gera.

***Arthrobotrys conooides* Drechsler**

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 4804 A Rubner (AR 934). From soil under *Rumex* sp. Oct 1992. Spain: Chavio verde, La Palma, Canary Islands.

***Arthrobotrys haptotyla* Drechsler**

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 5435 BA Jaffee (AK161). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

***Arthrobotrys musiformis* Drechsler**

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 3730 BA Jaffee (MN101). Rec'd 1 Jun 1992. USA: Merced County, California.
- 4938 BA Jaffee (AN139). Used as bait., *Steinernema glaseri* Soil dilution agar/Soil sprinkle plate. 1994. Laboratory manipulation. Three dimensional, adhesive networks.

***Arthrobotrys oligospora* Fresenius**

[Orbiliomycetes: Orbiliales]

Orbiliaceae

- 3347 BA Jaffee (A01). Soil. 1981. USA: Edgefield City, South Carolina.
- 3732 BA Jaffee (MN103). Rec'd 1 Jun 1992. USA: Merced County, California.
- 4939 BA Jaffee (AN141). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.
- 4967 N Viaene (41). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] from soil. Summer 1994. USA: Ferlito Farm, Oswego, New York.
- 5411 KT Hodge. Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5561 I Klingen (TØF 20.1). Pupa, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Sparbu, Nord Trøndelag.

5562 I Klingen (VFA 7.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 4 Sep 1996. Norway: Trofors, Nordland.

Arthrobotrys oligospora* var. *oligospora Fresenius
[Orbiliomycetes: Orbiliales]
Orbiliaceae

3369 KT Hodge ← P John (Ar□). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

3370 KT Hodge ← P John (Ar2). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

Arthrobotrys superba Corda
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4940 BA Jaffee (AN142). Used as bait, *Steinernema glaseri* Soil dilution agar/Soil sprinkle plate. 1994. Laboratory manipulation. Three dimensional, adhesive networks.

Arthrobotrys thaumasias Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5434 BA Jaffee (AN159). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

***Aschersonia* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae

2351 [ARSEF 2397] MC Rombach (131286-19). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

2357 [ARSEF 2392 (never frozen)] MC Rombach (301286-7). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 30 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2358 [ARSEF 2393 (never frozen)] MC Rombach (301286-8). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Maoutia* sp. 30 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2397 [ARSEF 2351] MC Rombach (131286-19). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

2398 MC Rombach (131286-13). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: Gunung Merapi, Yogyakarta, Java.

3014 SR Sánchez Peña. [Hemiptera: Aleyrodidae] on *Citrus* sp. (orange) leaves. 26 May 1990. Mexico: orange (Citrus) orchard, Gómez Farías, Tamaulipas.

3015 SR Sánchez Peña. Nymph, [Hemiptera] on *Ficus* sp. 26 May 1990. Mexico: orange (Citrus) orchard, Gómez Farías, Tamaulipas.

4098 LA Lacey (94008). Rec'd 28 Mar 1994. Brazil. No sporulation to allow for confirmation of ID.

4207 LA Lacey (94039). [Hemiptera: Aleyrodidae]. 23 Mar 1994. Malaysia: Ringlet.

4208 LA Lacey (94037). [Hemiptera: Aleyrodidae]. 8 Mar 1994. Thailand: Kao Yaï.

4210 LA Lacey (94038). [Hemiptera: Aleyrodidae]. 28 Mar 1994. Malaysia: Kuala Lumpur.

4424 LA Lacey (94010). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4426 LA Lacey (94098). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4430 LA Lacey (94102). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4431 LA Lacey (94103). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4432 LA Lacey (94104). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4433 LA Lacey (94024). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4434 LA Lacey (94025). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4435 LA Lacey (94080). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4436 LA Lacey (94081). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4437 LA Lacey (94082). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4438 LA Lacey (94083). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4439 LA Lacey (94084). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4440 LA Lacey (94085). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4441 LA Lacey (94086). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4442 LA Lacey (94087). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4443 LA Lacey (94088). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4444 LA Lacey (94089). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4445 LA Lacey (94090). [Hemiptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4448 LA Lacey (94092). [Hemiptera: Aleyrodidae] Malas-troma. 28 Mar 1994. Malaysia: Kuala Lumpur.

4449 LA Lacey (94093). [Hemiptera: Aleyrodidae] Malas-troma. 28 Mar 1994. Malaysia: Kuala Lumpur.

- 5215 KT Hodge (FAH121) ← FA Harrington (FH121). [Hemiptera: Aleyrodidae] Fern leaves. Jan 1996. USA: Reserva Forestal Guajataca, Puerto Rico.
- 5216 KT Hodge (U0043). [Hemiptera: Aleyrodidae] Mimiropsis leaves. 4 Jul 1995. Uganda: Bwindi Swamp Camp, Bwindi Impenetrable National Park.
- 7071 KT Hodge (PR8). On fern fronds 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 7073 KT Hodge (PR12). Underside of leaves 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 7077 KT Hodge (PR23). Underside of separate leaves 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Bisley Trail, Río Grande Municipio, Puerto Rico.
- 7082 KT Hodge (PR42). On living leaves from unidentified tree 6 Jul 2002. USA: El Yunque, Caribbean National Forest, trail downhill from Palo Colorado Station, Río Grande Municipio, Puerto Rico.
- 7083 KT Hodge (PR51). 7 Jul 2002. USA: El Yunque, Caribbean National Forest, El Toro Trail at Route 186, Río Grande Municipio, Puerto Rico.
- 7084 KT Hodge (PR52). 7 Jul 2002. USA: El Yunque, Caribbean National Forest, El Toro Trail at Route 186, Río Grande Municipio, Puerto Rico.
- 7085 KT Hodge (PR58). [Hemiptera: spf. Coccoidea] on fronds of *Zamia portoricensis*. 8 Jul 2002. USA: Bosque Estatal de Susúa, Trail 5, Camino Mariano, Puerto Rico.
- 7087 KT Hodge (PR71). 9 Jul 2002. USA: Bosque del Pueblo, Vereda de los Niños, Adjuntas, Puerto Rico.
- 7091 KT Hodge (PR75). 9 Jul 2002.
- 7092 KT Hodge (PR76). 9 Jul 2002.
- 7310 M Liu (FL15). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67398.
- 7311 M Liu (FL16). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67399.
- 7313 M Liu (FL18). Aug 2003. USA: Charlotte County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67403.
- 7314 M Liu (FL19). on *Citrus x paradisi* Macfad., grapefruit. Aug 2003. USA: Edison Park, Fort Myers, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67404.
- 7317 M Liu (FL22). on *Citrus* sp., citrus. Aug 2003. USA: Lee County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67407.
- 7318 M Liu (FL23). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67409.
- 7319 M Liu (FL24). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67409.
- 7320 M Liu (FL25). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67410.
- 7321 M Liu (FL26). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67410.
- 7322 M Liu (FL27). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Dr. Cave's experiment plot, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67411.
- 7323 M Liu (FL28). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67413.
- 7324 M Liu (FL29). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67413.
- 7325 M Liu (FL30). on *Citrus aurantiifolia* (Christm.) Swingle, lime. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67414.
- 7326 M Liu (FL31). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67415.
- 7327 M Liu (FL32). on *Citrus*, orange. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67416.
- 7328 M Liu (FL33). 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67418.
- 7329 M Liu (FL34). on *Litchi chinensis* Sonn., lychee. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67419.

- 7337 M Liu (FL42). 20 Aug 2003. USA: Bowling Green, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67433.
- 7338 M Liu (FL43). Rec'd 18 Dec 2003.
- 7656 P Chaverri (PC 614). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7699 P Chaverri ← HC Evans and GJ Samuels (Afr 85). Rec'd 14 Sep 2004. Cameroon: Korup National Park, Sud-Ouest.
- 7751 P Chaverri. Rec'd 14 Sep 2004.
- 8200 P Chaverri (PC 436-2). 13 Dec 2003. Mexico: Project Cielo, Tierra y Selva, trail to the mountain, Pueblo Ejido Lopez Mateo, Veracruz.
- 10276 DEN Rangel. Larva, [Hemiptera: Coccidae] on leaves of guava tree. 22 Jun 2011. Brazil: Universidade do Vale do Paraíba, Campus Urbanova, São José dos Campos, São Paulo.
- Aschersonia aleyrodis* Webber
[Sordariomycetes: Hypocreales]
Clavicipitaceae
-
- 341 I Majchrowicz. Larva, *Dialeurodes ?citri* [Hemiptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.
- 342 I Majchrowicz. Larva, *Dialeurodes ?citri* [Hemiptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.
- 430 RS Soper. [Hemiptera: Aleyrodidae] on citrus leaves. 9 Jan 1980. USA: Lake Alfred, Florida.
- 432 RS Soper. [Hemiptera: Aleyrodidae] on citrus leaves. 9 Jan 1980. USA: Zephyr Hills, Lake Alfred, Florida.
- 992 J Aoki (Ash. 1) ← K Oshima ← N Oho. *Dialeurodes citri* [Hemiptera: Aleyrodidae]. Rec'd 7 Nov 1983. Japan: Saga Prefecture.
- 2154 MC Rombach (220386-1). *Aglaia odoratissima* [Hemiptera: Aleyrodidae]. 22 Mar 1986. Indonesia: Bogor Botanical Gardens, Bogor, Jawa Barat, Java.
- 2268 JJ Fransen ← RA Samson. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Rec'd 14 Oct 1986. Netherlands: Baarn, Utrecht.
- 4103 Acc'd 21 Apr 1994.
- 4104 Rec'd 23 Jan 1994.
- 4209 LA Lacey (94-41). [Hemiptera: Aleyrodidae]. 28 Mar 1994. Malaysia: Kuala Lumpur.
- 7339 M Liu (FL44). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.
- 7340 M Liu (FL45). 22 Aug 2003. USA: Residence of Majorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.
- 7343 M Liu (FL48). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.
- 7344 M Liu (FL49). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.
- 7393 M Liu (ml175-2). 16 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4421.
- 7394 M Liu (ml175-3). 18 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4421.
- 7617 P Chaverri (PC 321). 20 Aug 2003. Costa Rica: OTS La Selva Biological Station, Sarapiquí, Heredia.
- 7641 P Chaverri ← JF Bischoff (JB 133). 14 Jul 2002. Panama: Smithsonian Tropical Research Institute, behind field station, Fortuna, Chiriqui.
- 7642 P Chaverri ← MC Aime (MCA 2465). 8 Jan 2004. Guyana: Kamarang, Cuyuni-Mazaruni. N 5° 16', W 59° 54', 650 m elevation.
- 7659 [IMI 362284] P Chaverri ← HC Evans (193-815). 1993. Guyana.
- 7666 [IMI 362300] P Chaverri ← HC Evans (194-908). 1994. Venezuela.
- 7677 [IMI 362294] P Chaverri ← HC Evans (193-807). 1993. Guyana.
- 7706 P Chaverri (PC 434). 13 Dec 2003. Mexico: Project Cielo, Tierra y Selva, Pueblo Ejido Lopez Mateo, Veracruz.
- 7707 P Chaverri (PC 445). 13 Dec 2003. Mexico: Pueblo Ejido Lopez Mateo, Veracruz.
- 8996 M Reis Pena (Isolate 1 (UFAM)). Rec'd 3 Jun 2009. Brazil. **RESTRICTED ACCESS: consult Curator.**
- 8997 M Reis Pena (Isolate 2 (ESALQ)). Rec'd 3 Jun 2009. Brazil. **RESTRICTED ACCESS: consult Curator.**
- 9535 [SRCAMB B-413] V Likhovidov ← BA Borisov. Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae]. Aug 2003. Republic of Georgia: Autonomous Republic of Abkhazi. Field Collection Number F-931.
- 12802 SR Sánchez Peña and RI Torres-Acosta. Nymph, [Hemiptera: Aleyrodidae] on *Ficus insipida* Willd. in rainforest. Mar 2013. Mexico: Gómez Farías, Tamaulipas.
- 12803 SR Sánchez Peña and RI Torres-Acosta. Nymph, [Hemiptera: Aleyrodidae] on *Ficus insipida* Willd. in rainforest. Mar 2013. Mexico: Gómez Farías, Tamaulipas.

Aschersonia andropogonis P Hennings

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7341 M Liu (FL46). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67436.
- 7342 M Liu (FL47). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67436.
- 7391 M Liu (ml165). [Hemiptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico.
- 7398 M Liu (ml201-2c). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico.
- 7608 Rec'd 4 Feb 2005.
- 7638 P Chaverri ← HC Evans and GJ Samuels (Afr 70). Rec'd 14 Sep 2004. Ghana.
- 7639 P Chaverri ← HC Evans and GJ Samuels (Afr 116). Oct 2003. Cameroon: Korup National Park, Sud-Ouest. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67563.
- 7660 P Chaverri ← HC Evans (I93-901a). 1993. Ivory Coast.
- 7662 P Chaverri ← HC Evans (I93-901c). 1993. Ivory Coast.
- 7672 [IMI 317421] P Chaverri ← HC Evans. Rec'd Mar 2005. Jamaica.
- 7685 M Liu (CR 22). 20 Jun 2002. Costa Rica: OTS La Selva Biological Station, Plantation beside entrance, Sarapiquí, Heredia. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 067345.
- 7698 P Chaverri ← GJ Samuels (Afr 64). Rec'd 14 Sep 2004. Ghana.
- 7754 Acc'd 12 Dec 2005.
- 7755 Acc'd 12 Dec 2005.

Aschersonia basicystis Berkeley & Curtis

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7611 Acc'd 26 Sep 2005.
- 7749 P Chaverri ← JF Bischoff (JB 130). 14 Jul 2002. Panama: Fortuna, Chiriqui.
- 7750 P Chaverri ← JF Bischoff (JB 205). 13 Aug 2003.

Aschersonia cubensis Berkeley & Curtis

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7307 M Liu (FL12). 12 Aug 2003. USA: Silver Strand Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67395.

- 7308 M Liu (FL13). 12 Aug 2003. USA: Silver Strand Grove, Immokalee, Florida. Specimen accessioned in the Cornell plant Pathology Herbarium as CUP 67396.
- 7309 M Liu (FL14). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67397.
- 7312 M Liu (FL17). on *Citrus x paradisi* Macfad., grapefruit. 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67400.
- 7334 M Liu (FL39). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67431.
- 7647 P Chaverri (PC 545). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7648 P Chaverri (PC 552). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7671 P Chaverri ← HC Evans (I95-958). 1995. Ecuador.
- 7676 [IMI 362282] P Chaverri ← HC Evans (I93-813). 1993. Guyana.
- 7700 P Chaverri (PC 378). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.
- 7702 P Chaverri (PC 386). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.
- 7703 P Chaverri (PC 389). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to Las Pailas, Guanacaste Conservation Area, Guanacaste.
- 7704 P Chaverri (PC 375). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.

Aschersonia goldiana Saccardo & Ellis

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 343 I Majchrowicz. Larva, *Dialeurodes ?citri* [Hemiptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.

Aschersonia incrassata Mains

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 7670 P Chaverri ← HC Evans (I95-954). 1995. Bolivia.

Aschersonia insperata Rombach, M Liu, Humber &

KT Hodge

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Cultures produce both the *Aschersonia* state and a synanamorph, *Hirsutella insperata* (q.v.).

- 2356 [ARSEF 2391 (never frozen)] MC Rombach (201286-

8). Larva, *Dialeurodes citri* [Hemiptera: Aleyrodidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2396 MC Rombach (301286-9). *Dialeurodes citri* [Hemiptera: Aleyrodidae]. 30 Dec 1986. Philippines: tropical forest, Mt. Makiling, Los Baños, Manila.

6912 M Liu. 20 Aug 2001.

Aschersonia napoleonae Har. & Patouillard
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7697 P Chaverri ← GJ Samuels (Afr 55). Rec'd 14 Sep 2004. Ghana.

Aschersonia placenta Berkeley
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7603 [CBS 349.84] M Liu. *Dialeurodes citri* [Hemiptera: Aleyrodidae]. Rec'd 2 Mar 2005. Japan: Saga Prefecture.

7604 [BCC 2230] [Hemiptera: Coccoidea]. Rec'd 20 Sep 2004.

7607 9 Aug 2004. PR China: Dinghushan, Guangdong Province. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002607.

7609 10 Aug 2004. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002621.

7616 P Chaverri ← HC Evans and GJ Samuels (Afr 114). Oct 2003. Cameroon: Korup National Park, Sud-Ouest.

7637 P Chaverri ← HC Evans and GJ Samuels (Afr 28). 23 Oct 2003. Ghana: Kakum National Park, Jukua District, Central Region. Wet semi-deciduous forest, N 05° 21', W 01° 23', 280 m elevation.

7661 P Chaverri ← HC Evans (I93-901b). 1993. Ivory Coast.

7686 M Liu (CHN 3). 10 Aug 2004. PR China: Dinghushan, Guangdong Province. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002620.

Aschersonia rhombispora M Liu & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7390 M Liu (ml164). [Hemiptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4406. CULTURE EX TYPE.

7395 M Liu (ml201-1-2). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.

7399 M Liu (ml201-3). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.

7400 M Liu (ml201-5a). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.

Aschersonia turbinata (Berkeley) Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1030 [GCRI 67-82] RA Hall. [Hemiptera]. 1982. Colombia.

7080 KT Hodge (PR33). on frond of *Prestoea montana* 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.

7296 M Liu (FL01). on *Citrus x paradisi* Macfad., grapefruit. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67377.

7297 M Liu (FL02). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67378.

7298 M Liu (FL03). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida.

7299 M Liu (FL04). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67381.

7300 M Liu (FL05). on *Citrus*, orange. 11 Aug 2003. USA: Budwood Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67382.

7301 M Liu (FL06). on *Citrus*, orange. Rec'd 18 Dec 2003. USA: Budwood Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67385.

7302 M Liu (FL07). on *Citrus x paradisi* Macfad., grapefruit. 12 Aug 2003. USA: Immokalee Pioneer Museum at Roberts Ranch, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67388.

7303 M Liu (FL08). on *Citrus x paradisi* Macfad., grapefruit. 12 Aug 2003. USA: Immokalee Pioneer Museum at Roberts Ranch, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67389.

7304 M Liu (FL09). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67391.

Fungal Cultures

- 7305 M Liu (FL10). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67392.
- 7306 M Liu (FL11). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67394.
- 7315 M Liu (FL20). on *Citrus x paradisi* Macfad., grapefruit. Aug 2003. USA: Fort Myers, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67405.
- 7316 M Liu (FL21). Aug 2003. USA: Route I-75, Lee County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67406.
- 7331 M Liu (FL36). on *Citrus x paradisi* Macfad., grapefruit. 19 Aug 2003. USA: Griffin 3, Block 19 Grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67423.
- 7332 M Liu (FL37). 19 Aug 2003. USA: Griffin 3, Block 19 Grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67424.
- 7333 M Liu (FL38). 20 Aug 2003. USA: Mountain Lake Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67429.
- 7335 M Liu (FL40). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67432.
- 7336 M Liu (FL41). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67432.
- 7675 [IMI 352838] P Chaverri ← HC Evans (I91-598). 1991. Mexico.
- 11868 L Guizar-Guzman and SR Sánchez Peña (T-1). *Aonidiella aurantii* [Hemiptera: Diaspididae] on *Citrus sinensis* (L.) Osbeck, sweet orange tree. 10 Oct 2012. Mexico: Ixtacuaco, Tlapacoyan, Veracruz. N 20.041982, W 97.096353.
- 11869 L Guizar-Guzman and SR Sánchez Peña (T-2). *Aonidiella aurantii* [Hemiptera: Diaspididae] on *Citrus sinensis* (L.) Osbeck, sweet orange tree. 10 Oct 2012. Mexico: Ixtacuaco, Tlapacoyan, Veracruz. N 20.041982, W 97.096353.
- Aschersonia viridans*** (Berkeley & MA Curtis) Patoillard
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 7650 P Chaverri (PC 575). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7652 P Chaverri (PC 585). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7653 P Chaverri (PC 589). 2004. Bolivia: Madidi National Park, Departamento La Paz.
- 7674 [IMI 346739] P Chaverri ← HC Evans (I89-490). 1989. Mexico.
- Ascopolyporus philodendrus*** Bischoff
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 7354 JF Bischoff. [Hemiptera: Coccoidea] on *Philodendron* sp., Araceae. Rec'd 12 Mar 2004. Panama: Barro Colorado Island. CULTURE EX TYPE.
- Ascopolyporus villosus*** Möller
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 7355 JF Bischoff. [Hemiptera: Coccoidea] on *Chusquea* sp., Poaceae. Rec'd 12 Mar 2004. Panama: Barro Colorado Island.
- Ascospaera* sp.**
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 7368 DL Anderson and M Bell. [Hymenoptera: Superfamily Apoidea] from subterranean cells. Rec'd 10 Feb 2004. Australia: Blue Mountains, 673 m. elevation, Hazelbrook, New South Wales.
- Ascospaera aggregata*** Skou
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 689 JD Vandenberg (2). *Megachile rotundata* [Hymenoptera: Megachilidae]. Sep 1981. USA: Lovelock, Nevada.
- 690 JD Vandenberg (3). *Megachile rotundata* [Hymenoptera: Megachilidae]. Sep 1981. USA: Ontario, Oregon.
- Ascospaera apis*** (Maassen ex Claussen) Olive & Spiltoir
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae
-
- 691 JD Vandenberg (4). *Apis mellifera* [Hymenoptera: Apidae]. Jun 1979. USA: Corvallis, Oregon.
- 692 JD Vandenberg (5). *Apis mellifera* [Hymenoptera: Apidae]. Jul 1981. USA: Corvallis, Oregon.
- 2683 SR Sánchez Peña. *Apis mellifera* [Hymenoptera: Apidae]. 6 Aug 1989. USA: Lubbock, Texas.
- 5142 [CBS ; CSIRO 101] DL Anderson (101). Larva, *Apis mellifera* [Hymenoptera: Apidae]. Jan 1993. Australia: Cunningham via Warwick, Queensland.
- 6362 B Black (FD 667). *Apis mellifera* [Hymenoptera: Apidae]. Apr 1999. USA: La Belle, Florida.
- 7405 [ATCC MYA-4450] KD Murray (A10). *Apis mellifera* [Hymenoptera: Apidae]. 26 Jun 2003. USA: Weslaco, Texas. Mating type + (female) determined by Rosalind James, Oct 2005.

- 7406 [ATCC MYA-4451] KD Murray (0.5-1A). *Apis mellifera* [Hymenoptera: Apidae]. 26 Jun 2003. USA: Weslaco, Texas. Mating type - (male) determined by Rosalind James, Oct 2005.
- 12634 AB Mujic (ST-OR11-A1) ← S Maxfield-Taylor. *Bombus* sp. [Hymenoptera: Apidae] from laboratory rearing facility. Jul 2011. USA: Oregon State University, Corvallis, Oregon.
- 13022 K Aronstein (BBR). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- 13023 K Aronstein (BBR mating type 1). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- 13024 K Aronstein (BBR mating type 2). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- 13025 K Aronstein (JBR). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- 13026 K Aronstein (JBR mating type 1). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- 13027 K Aronstein (JBR mating type 2). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- 13028 K Aronstein (LBR). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- 13029 K Aronstein (LBR mating type 1). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- 13030 K Aronstein (LBR mating type 2). Larva, *Apis mellifera* [Hymenoptera: Apidae] Laboratory isolation from comb. Rec'd 12 Jun 2015. USA: Baton Rouge, Louisiana.
- Ascospaera arienoides*** Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascospaeraceae
-
- 5143 [CSIRO 140] DL Anderson (140). *Megachile* sp. [Hymenoptera: Megachilidae] Nesting cell. Oct 1994. Australia: Aratula, Queensland. CULTURE EX TYPE.
- Ascospaera atra*** Skou & Hackett
[Eurotiomycetes: Ascosphaerales]
Ascospaeraceae
-
- 693 JD Vandenberg (6). *Megachile rotundata* [Hymenoptera: Megachilidae]. Jun 1979. USA: Ontario, Oregon.
- 5147 [CSIRO 198] DL Anderson (198). *Apis mellifera* [Hymenoptera: Apidae] Honey. Nov 1994. Australia: Waroona, Western Australia.
- Ascospaera duoformis*** Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascospaeraceae
-
- 5140 [CSIRO 200] DL Anderson (200). Rec'd 5 Apr 1996.
- 5141 [CBS ; CSIRO 199] DL Anderson (199). *Apis mellifera* [Hymenoptera: Apidae] Honey. Jul 1993. Australia: Glen Innes, New South Wales. EX HOLOTYPE CULTURE.
- 5151 [CSIRO 199.D9] DL Anderson (199.D9). Rec'd 5 Apr 1996. Monokaryon of ARSEF 5141.
- 5152 [CSIRO 199.D14] DL Anderson (199.D14). Rec'd 5 Apr 1996. Monokaryon of ARSEF 5141.
- Ascospaera flava*** Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascospaeraceae
-
- 5144 [CSIRO 196] DL Anderson (196). *Megachile* sp. [Hymenoptera: Megachilidae] Nesting cell. Jun 1995. Australia: Scarborough, Western Australia. CULTURE EX TYPE.
- Ascospaera larvis*** Bissett
[Eurotiomycetes: Ascosphaerales]
Ascospaeraceae
-
- 7945 [ATCC 62708; CCFC 186444 (A+XB-)] RR James (-). *Megachile rotundata* [Hymenoptera: Megachilidae]. Rec'd 10 Jan 2006. Canada: Saskatchewan. Reisolation of male strain from ATCC 62708.
- 7946 [ATCC 62708; CCFC 186444(A+XB-)] RR James (+). *Megachile rotundata* [Hymenoptera: Megachilidae]. Rec'd 10 Jan 2006. Canada: Saskatchewan.
- Ascospaera major*** (Proekschl & Zobl) Skou
[Eurotiomycetes: Ascosphaerales]
Ascospaeraceae
-
- 694 JD Vandenberg (7) ← M Christensen ← JP Skou. [Hymenoptera]. 1970. Denmark.
- Ascospaera proliperda*** Skou
[Eurotiomycetes: Ascosphaerales]
Ascospaeraceae
-
- 695 JD Vandenberg (8) ← M Christensen ← JP Skou. *Megachile centuncularis* [Hymenoptera: Megachilidae]. 1970. Denmark.
- 696 JD Vandenberg (9) ← M Christensen ← JP Skou. *Megachile rotundata* [Hymenoptera: Megachilidae]. Jul 1981. Laboratory manipulation.
- 6363 B Black (FD 669). *Megachile rotundata* [Hymenoptera: Megachilidae]. 1998. USA: Nyssa, Oregon.

Fungal Cultures

Ascospaera solina Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]

Ascospaeraceae

5146 [CSIRO 130] DL Anderson (130). [Hymenoptera: Colletidae]. Oct 1994. Australia: Aratula, Queensland. CULTURE EX TYPE.

Ascospaera subcuticulata Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]

Ascospaeraceae

5145 [CSIRO 121] DL Anderson (121). Moribund larva, *Chalicodoma* sp. [Hymenoptera: Megachilidae]. Oct 1995. Australia: Lawn Hill National Park, Queensland. CULTURE EX TYPE.

***Aspergillus* sp.**

[Eurotiomycetes: Eurotiales]

Trichocomaceae

1152 TJ Poprawski (83-15). Adult, *Melanoplus* sp. [Orthoptera: Acrididae]. 29 Sep 1983. Spain: Córdoba.

2765 GW Riethmacher (A3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 13 Apr 1989. Philippines: La Trinidad, Benguet.

2817 GW Riethmacher (E1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 Apr 1989. Philippines: La Trinidad, Benguet.

2820 GW Riethmacher (E7). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 May 1989. Philippines: La Trinidad, Benguet.

3048 MS Goettel (5B). Vegetation. Jul 1990. Mali: Mordiah. Eurotium state may also be present.

3176 GW Riethmacher (B22). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 22 Dec 1989. Philippines: Cavinti, Laguna.

3195 GW Riethmacher (B47b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Jun 1990. Philippines: Villiasis, Pangasinan.

3698 LA Lacey (Ma16). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 8 Apr 1992. India: Padappai.

4367 LA Lacey (94117). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

5205 C López Lastra (408). Larva, *Rachiplusia nu* [Lepidoptera: Noctuidae] Soybean crop. 1 Mar 1994. Argentina: Los Hornos, La Plata, Buenos Aires.

6364 B Black (FD 687). *Megachile rotundata* [Hymenoptera: Megachilidae]. 1998. USA: Nyssa, Oregon.

6369 Adult, female, *Aeneolamia varia* [Hemiptera: Cercopidae]. 2 Jul 1997. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.

6399 B Tunali (20). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Kinkale, Ankara.

6405 B Tunali (29). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.

6406 B Tunali (31). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.

6408 B Tunali (33). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.

6419 A Niassy (K ONI). Rec'd 7 Dec 1999.

6422 A Niassy (B OSE). Rec'd 7 Dec 1999.

6423 A Niassy (B OSE). Rec'd 7 Dec 1999.

6571 LS Bauer. Egg mass, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 23 May 2000. USA: from laboratory colony, USDA Forest Service, NCRS, East Lansing, Michigan.

6573 Z G/Tsadik (CHA). Rec'd 11 Aug 2000. Ethiopia.

6574 Z G/Tsadik (Chinaksen). Rec'd 11 Aug 2000. Ethiopia.

6575 Z G/Tsadik (HP). Rec'd 11 Aug 2000. Ethiopia.

6604 M Benjamin (28A). Engorged larva, *Ixodes scapularis* [Acari: Ixodidae]. 26 Aug 2000. USA: New York.

6898 E Zhioua (Tick #4). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.

7048 TM O'Neil and DW Spurgeon. *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 12 Aug 2002. USA: Southern Plains Agricultural Research Center, College Station, Texas.

8280 BN Tiwary (IF-7). *Nezara viridula* [Hemiptera: Pentatomidae]. 4 Nov 2005. India: Purnea, Bihar.

8284 BN Tiwary (IF-13). *Supella longipalpa* [Blattodea: Blattellidae]. 22 Jun 2006. India: Patna, Bihar.

8292 BN Tiwary (SCF-9). Isolated from soil sample. 12 Feb 2006. India: Samar, Sitamarhi, Bihar.

8519 BN Tiwary (SFN-1). Nymph, *Sogatella furcifera* [Hemiptera: Delphacidae]. 27 Dec 2006. India: Patna University, Patna, Bihar.

8633 CA Fuller. [Isoptera: Termitidae]. Acc'd 29 Oct 2007.

12050 [ERL 2136] S Gouli (A-12/35) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: McCartney Road, Arizona.

12051 [ERL 2137] S Gouli (A-12/36) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Columbus, New Mexico.

12895 A Khan (Chag 1) or (Chag white UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Chaguaramas, Trinidad and Tobago.

12896 A Khan (Chag 3) or (Chag Brown (solid) UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Chaguaramas, Trinidad and Tobago.

12897 A Khan (Chag 6) or (CH #1B UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Chaguaramas, Trinidad and Tobago.

12900 A Khan (Chag 16) or (CH #9 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Chaguaramas, Trinidad and Tobago.

12905 A Khan (TAB 6) or (TA #6 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Tabaquite, Trinidad and Tobago.

Aspergillus clavatus Desmazières
[Eurotiomycetes: Eurotiales]
Trichocomaceae

4359 DW Roberts. *Myzus persicae* [Hemiptera: Aphididae]. Feb 1994. Brazil: Castro, Paraná.

9375 JG Banu (1). *Phenacoccus solenopsis* [Hemiptera: Pseudococcidae]. Aug 2008. India: Allappalayam, Coimbatore, Tamil Nadu.

9379 JG Banu (5). Isolated from soil sample. Dec 2008. India: Vadapudur, Coimbatore, Tamil Nadu.

Aspergillus flavus Link:Fries
[Eurotiomycetes: Eurotiales]
Trichocomaceae

1003 J Aoki (Asp. 11). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.

1010 J Aoki (Asp. 26). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.

2157 BN Muthappa (PNG 12713). *Anoplolepis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2158 BN Muthappa (PNG 12714). *Anoplolepis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2159 BN Muthappa (PNG 12715). *Anoplolepis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2818 GW Riethmacher (E4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 7 Apr 1989. Philippines: La Trinidad, Benguet.

3144 MS Goettel. *Neobullieria citellivora* [Diptera: Sarcophagidae]. 2 Nov 1990. Canada: Picture Butte, Alberta.

3430 K Ostrovska (52). [Diptera: Bombyliidae]. 29 Sep 1991. Costa Rica: La Selva.

4126 [DAT 3; IMI 298915] AC Rath (F003). *Phthorimaea operculella* [Lepidoptera: Gelechiidae]. 1983. Australia: U. New England, Armidale, New South Wales.

6454 Z G/Tsadik (5/03-BB). *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. 3 Oct 1999. Ethiopia: Northern Shoa.

6469 LS Bauer (2UIC1817). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 19 Feb 2000. USA: East Lansing, Michigan.

8289 BN Tiwary (SCF-4). Isolated from soil sample. 20 Jan 2006. India: Patna, Bihar.

9376 JG Banu (2). *Phenacoccus solenopsis* [Hemiptera: Pseudococcidae]. Aug 2008. India: Allappalayam, Coimbatore, Tamil Nadu.

9378 JG Banu (4). Isolated from soil sample. Dec 2008. India: Vadapudur, Coimbatore, Tamil Nadu.

9381 DI Shapiro Ilan. *Tenebrio molitor* [Coleoptera: Tenebrionidae] for rearing of entomopathogenic nematodes. Rec'd 6 Jan 2010.

Aspergillus flavus(?) Link : Fries
[Eurotiomycetes: Eurotiales]
Trichocomaceae

5503 I Klingen (MFF 8.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Sep 1996. Norway: Lebesby, Finnmark.

5504 I Klingen (MFF 9.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Sep 1996. Norway: Lebesby, Finnmark.

5505 I Klingen (PVF 8). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.

5506 I Klingen (TØF 10.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5507 I Klingen (TØF 12.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5508 I Klingen (TØF 21.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5509 I Klingen (TØF 24.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

Aspergillus nidulans(?) (Eidam) Winter
[Eurotiomycetes: Eurotiales]
Trichocomaceae

6515 RT Mayer. Larva, *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 10 May 2000. USA: Florida.

Aspergillus niger van Tieghem
[Eurotiomycetes: Eurotiales]
Trichocomaceae

3143 MS Goettel (3B). [Orthoptera]. 17 Jul 1990. Mali: Mordiah.

5721 L Erkiliç (Belen-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Mar 1998. Turkey: Belen, Gaziantep.

6365 B Black (FD 695). *Osmia lignaria* [Hymenoptera: Megachilidae]. 1999. USA: Logan, Utah.

6407 B Tunali (32). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Kollubaba.

7797 CA Fuller (#1 Cruz7UP cut) and L Upham. Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Cruz Bay, Saint John, Virgin Islands.

- 7798 L Erickson and CA Fuller (#1 CB4BP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Cinnamon Bay Campground, Saint John, Virgin Islands.
- 7799 CA Fuller (#1b HH39P cut) and L Upham. Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.
- Aspergillus niger*(?)** van Tieghem
[Eurotiomycetes: Eurotiales]
Trichocomaceae
-
- 7975 BC King (56). *Drosophila* sp. [Diptera: Drosophilidae] from Tanglefoot trap. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AY373850 (100%) ITS. **RESTRICTED ACCESS:** consult Curator.
- Aspergillus ochraceus*** Wilhelm
[Eurotiomycetes: Eurotiales]
Trichocomaceae
-
- 2833 AE Hajek ← K Tatman (MD19#14). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1989. USA: Baltimore County, Maryland.
- 3325 C Castillo. *Ixodes scapularis* [Acari: Ixodidae]. Rec'd 8 May 1991. Location not specified.
- 5722 L Erkiliç (Karadag-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Mar 1998. Turkey: Karadag, Gaziantep, Gaziantep.
- Aspergillus ochraceus*(?)** Wilhelm
[Eurotiomycetes: Eurotiales]
Trichocomaceae
-
- 7027 RM Pereira (DPI fungus). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. Nov 2001. USA: Department of Plant Industry, Gainesville, Florida.
- Aspergillus parasiticus*** Speare
[Eurotiomycetes: Eurotiales]
Trichocomaceae
-
- 2173 MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwuring (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.
- 4128 [DAT 5; IMI 1298918] AC Rath (F005) ← RJ Milner. Phylum Arthropoda, Class Insecta. 1985. Australia: Canberra, Australian Capital Territory. ID not confirmable.
- 4129 [DAT 6; IMI 1298916] AC Rath (F006). Phylum Arthropoda, Class Insecta. 1985. Australia: U. New England, Armidale, New South Wales. ID not confirmable.
- 5470 TJ Poprawski (TJP935). Larva, *Eoreuma loftini* [Lepidoptera: Pyralidae]. Rec'd 9 May 1997. USA: sugarcane field, Weslaco, Texas.
- Aspergillus sydowii*** Thom & Church
[Eurotiomycetes: Eurotiales]
Trichocomaceae
-
- 8379 CD Harvell (FK11) or (AS16). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Rec'd 22 Feb 2007. USA: Key West, Florida.
- 8380 CD Harvell (SS7) or (AS17). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Jul 1995. The Bahamas: San Salvador.
- 8381 CD Harvell (SA25) or (AS18). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Jul 1995. Netherlands: Saba, Netherlands Antilles.
- 8382 CD Harvell (15B1) or (AS29). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Mar 2005. USA: Tennessee Reef, Florida.
- Aspergillus tamarii*** Kita
[Eurotiomycetes: Eurotiales]
Trichocomaceae
-
- 4127 [DAT 4; IMI 1298917] AC Rath (F004). *Phthorimaea operculella* [Lepidoptera: Gelechiidae]. 1984. Australia: U. New England, Armidale, New South Wales. ID not confirmed.
- Aspergillus tamarii*(?)** Kita
[Eurotiomycetes: Eurotiales]
Trichocomaceae
-
- 6418 A Niassy (K HDA). Rec'd 7 Dec 1999.
- 6420 A Niassy (M2VA). Rec'd 7 Dec 1999.
- Atricordyceps harposporifera*** Samuels
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Anamorph: *Harposporium anguil-lulae* Lohde.
-
- 5472 GJ Samuels (81-358). Phylum Arthropoda. 12 Aug 1981. New Zealand: Waitakere Ranges, Waitemata City, Fairy Falls Track, off Mountain Road, Auckland, North Island. Culture ex holotype (PDD 42208) .
- Balansia* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae
-
- 7089 KT Hodge (PR73). 9 Jul 2002. USA: Adjuntas, Puerto Rico.
- Barbatospora ambicaudata*** MM White, Siri & Lichtwardt
[Kickxellomycotina: Harpellales]
Legeriomycetaceae
-
- 9020 RW Lichtwardt (TN-49-W4A). *Simulium vandalicum* [Diptera: Simuliidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

Basidiobolus sp.

[Entomophthoromycotina: Entomophthorales]

Basidiobolaceae

- 270 RK Benjamin ← CW Emmons (2501). *Bufo marinus* (toad) dung. Rec'd Nov 1978. USA: NIH lab, Bethesda, Maryland.
- 271 RK Benjamin ← CW Emmons (2502) ← Lie-Kian-Joe. Frog dung. Rec'd Nov 1978. Indonesia.
- 273 RK Benjamin ← CW Emmons (2507) ← Deshpande. *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Location not specified.
- 2048 D TeStrake (TL-10). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.
- 2049 D TeStrake (TL-12). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.
- 2050 D TeStrake (TL-13). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.
- 2051 D TeStrake (TT-5). Toad dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.
- 2052 D TeStrake (TT-9). Toad dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.
- 3764 R Nelson. Soil. 1990. Barbados.
- 5336 RA Humber. Lizard dung. Rec'd Aug 1996. USA: Sonoran desert, Tuscon, Arizona.
- 9887 DA Henk (dah11DG1). *Dyscophus guineti* [Anura: Microhylidae] from dung of captive frog. Jul 2009. Switzerland.
- 9888 DA Henk (dah6DL1). *Dendrobates leucomelas* [Anura: Dendrobatidae] from dung of captive frog. Jul 2009. Switzerland.
- 9889 DA Henk (dah8TM1). *Triturus marmoratus* [Caudata: Salamandridae] from dung of captive salamander. Jul 2009. Switzerland.
- 9890 DA Henk (dahBR17). *Hylarana erythraea* [Anura: Ranidae] from dung. Jul 2009. Malaysia.
- 9891 DA Henk (dahBR2). *Hylarana labialis* [Anura: Ranidae] from dung. Jul 2009. Malaysia.
- 9892 DA Henk (dahBR4). *Hylarana glandulosa* [Anura: Ranidae] from dung. Jul 2009. Malaysia.
- 9893 DA Henk (dahBR5). *Hylarana labialis* [Anura: Ranidae] from dung. Jul 2009. Malaysia.
- 9894 DA Henk (dahCH1). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9895 DA Henk (dahCH10). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9896 DA Henk (dahCH4). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9897 DA Henk (dahOWT1). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.
- 9898 DA Henk (dahOWT2). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.
- 9899 DA Henk (dahOWT3). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.
- 9900 DA Henk (dahSAR2A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.
- 9901 DA Henk (dahSAR3A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.
- 9902 DA Henk (dahSAR4A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.
- 9903 DA Henk (dahT14). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9904 DA Henk (dahT53). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9905 DA Henk (dahT90). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9906 DA Henk (dahTF3). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9907 DA Henk (dahTF6). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9908 DA Henk (dahTF8). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.
- 9909 DA Henk (dahTPOO1). Tadpole, *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9910 DA Henk (dahU22). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9911 DA Henk (dahU71). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 9912 DA Henk (dahU84). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.
- 11766 AP Gryganskyi (36). Rec'd 29 May 2012.
- 11767 AP Gryganskyi (37). Rec'd 29 May 2012.
- 11768 AP Gryganskyi (38). Rec'd 29 May 2012.
- 11769 AP Gryganskyi (61). Rec'd 29 May 2012.
- 11770 AP Gryganskyi (62). Rec'd 29 May 2012.
- 11771 AP Gryganskyi (64). Rec'd 29 May 2012.
- 11772 AP Gryganskyi (122). Rec'd 29 May 2012.
- 11773 AP Gryganskyi (123). Rec'd 29 May 2012.
- 11774 AP Gryganskyi (134). Rec'd 29 May 2012.
- 11775 AP Gryganskyi (136). Rec'd 29 May 2012.
- 11776 AP Gryganskyi (137). Rec'd 29 May 2012.

- 11777 AP Gryganskyi (138). Rec'd 29 May 2012.
 11778 AP Gryganskyi (139). Rec'd 29 May 2012.
 11779 AP Gryganskyi (140). Rec'd 29 May 2012.
 11780 AP Gryganskyi (142). Rec'd 29 May 2012.
 11781 AP Gryganskyi (143). Rec'd 29 May 2012.
 11782 AP Gryganskyi (144). Rec'd 29 May 2012.
 11783 AP Gryganskyi (146). Rec'd 29 May 2012.

Basidiobolus haptosporus Drechsler
 [Entomophthoromycotina: Entomophthorales]
 Basidiobolaceae. Synonym: *Basidiobolus meristosporus*
 Drechsler. *B. haptosporus* is a probable synonym of *B.*
ranarum.

Caution: This species can cause human mycoses; most strains can be demonstrated to survive temperatures $\geq 37^\circ\text{C}$. Exercise caution to avoid inhalation of conidia or contact with cuts or abrasions.

- 261 [NRRL 1232; RSA 228] RK Benjamin \leftarrow CW Emmons. 4-year-old male, *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Indonesia.
 262 [RSA 964] RK Benjamin. Oak leaf mold. 10 May 1960. USA: Rancho Santa Ana Botanical Garden, Claremont, California.
 263 [RSA 1269] RK Benjamin. Lizard dung. 4 Apr 1963. Mexico: La Suerte, Baja California.
 264 [RSA 2252] RK Benjamin. Soil under Fremontodendron. Sep 1976. USA: Rancho Santa Ana Botanical Garden, Claremont, California.
 272 RK Benjamin \leftarrow CW Emmons (2505) \leftarrow Lie-Kian-Joe. *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Indonesia. Human mycosis.
 1347 S Balazy (1580b). [Diptera: Brachycera] attached to decayed wood in a brook. 11 Aug 1983. Poland: Wielkopolski National Park.
 8307 B Huang (L051203L2). 3 Dec 2005. USA: Cornell Plantations, Ithaca, New York.
 8309 B Huang (L060407A2). 7 Apr 2006. USA: Bebee Lake, Ithaca, New York.

Basidiobolus haptosporus* var. *minor Srinivasan & Thirumalachar
 [Entomophthoromycotina: Entomophthorales]
 Basidiobolaceae

- 8331 [ATCC 16579; CBS 310.66; IMI 118287] MJ Thirumalachar. Rec'd 22 Nov 2007.

Basidiobolus heterosporus Srinivasan & Thirumalachar
 [Entomophthoromycotina: Entomophthorales]
 Basidiobolaceae

- 8332 [ATCC 16580] Acc'd 23 Feb 2007.

Basidiobolus magnus Drechsler
 [Entomophthoromycotina: Entomophthorales]
 Basidiobolaceae

- 8330 [ATCC 15379; CBS 205.64; NRRL 3734] C Drechsler. Rec'd 22 Nov 2006.

Basidiobolus meristosporus Drechsler
 [Entomophthoromycotina: Entomophthorales]
 Basidiobolaceae

- 8329 [ATCC 14450; NRRL 3733] C Drechsler. Acc'd 21 Feb 2007.

Basidiobolus microsporus RK Benjamin
 [Entomophthoromycotina: Entomophthorales]
 Basidiobolaceae

- 265 [RSA 962] RK Benjamin. Lizard dung. 5 Apr 1960. USA: 5 mi NW of Agua Caliente Hot Springs, San Diego County, California.
 267 [RSA 982] RK Benjamin. Duff under debris outside packrat nest. 23 May 1960. USA: 10 mi W of Barstow, Iron Mountain, California.
 268 [RSA 1737] RK Benjamin. Lizard dung. 6 May 1962. USA: 10 mi S of Weldon, el. 3000 ft, Kern County, California.
 269 [RSA 2088] RK Benjamin. Rodent dung. 29 Jul 1974. USA: nr. Cajon Pass, San Bernardino County, California.

Basidiobolus ranarum Eidam
 [Entomophthoromycotina: Entomophthorales]
 Basidiobolaceae. Possible synonyms: *Basidiobolus haptosporus* Drechsler, *Basidiobolus meristosporus* Drechsler.

Caution: Strains of this species may be able to grow at temperatures $\geq 37^\circ\text{C}$ and may be regarded as potential mycotic agents for humans and other mammals. These strains should be safe in research and/or teaching laboratories with routine microbiological precautions; avoid inhalation of conidia or contact with open cuts or abrasions.

- 260 [RSA 334] RK Benjamin. Toad dung. 27 Apr 1954. USA: Rancho Santa Ana Botanical Garden, Claremont, California.
 1139 M Shimazu (F-57). *Dendrolimus spectabilis* [Lepidoptera: Lasiocampidae]. Acc'd 3 Apr 1984. Japan: Saitama Prefecture.
 2787 M Blackwell. Lizard dung. Acc'd 16 Aug 1989. USA: Baton Rouge, Louisiana.
 5889 R Nelson (USF 50). Fecal pellet of frog *Eumeces inexpectatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
 5890 R Nelson (USF 56). Fecal pellet of frog *Cnemidophorus sexlineatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
 5891 R Nelson (USF 57). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

- 5892 R Nelson (USF 70). Fecal pellet of frog *Scincella lateralis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5893 R Nelson (USF 71). Fecal pellet of frog *Scaphiopus holbrookii*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5894 R Nelson (USF 74). Fecal pellet of frog *Scincella lateralis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5895 R Nelson (USF 75). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5896 R Nelson (USF 76). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5897 R Nelson (USF 77). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5898 R Nelson (USF 78). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5899 R Nelson (USF 79). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5900 R Nelson (USF 80). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5901 R Nelson (USF 84). Fecal pellet of frog *Eumeces inexpectatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5902 R Nelson (USF 85). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.
- 5903 R Nelson (USF 90). Isolated from soil sample. Aug 1993. USA: Tampa, Florida.
- 5904 R Nelson (USF SDI). Isolated from soil sample. Aug 1993. USA: University of South Florida Sundome, Tampa, Florida.
- 5905 R Nelson (USF SDII). Isolated from soil sample. Aug 1993. USA: University of South Florida Sundome, Tampa, Florida.
- 5906 R Nelson (USF 78MCZ-1). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5907 R Nelson (USF 78MCZ-2). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5908 R Nelson (USF 78MCZ-11). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5909 R Nelson (USF 78MCZ-15). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5910 R Nelson (USF 78MCZ-16). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5911 R Nelson (USF 78MCZ-18). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5912 R Nelson (USF 78MCZ-19). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5913 R Nelson (USF 78MCZ-20). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5914 R Nelson (USF SD1MCZ-1). Miconazole resistant single spore isolate from USF SD1 [=ARSEF 5904]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5915 R Nelson (USF 85Z1). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5916 R Nelson (USF 85Z2). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5917 R Nelson (USF 85Z3). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5918 R Nelson (USF 85Z4). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5919 R Nelson (USF 85Z5). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5920 R Nelson (USF 85Z6). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5921 R Nelson (USF 85Z11). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Sep 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 5922 R Nelson (USF 85Z12). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

- 5951 R Nelson (USF 85Z1Z20). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.
- 6380 AA Callaghan (30) or (04 and 103). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.
- 6382 AA Callaghan (31) or (01 and 072). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Pasture, Staffordshire, Keele, England.
- 8308 B Huang (L060401C1). 1 Apr 2006. USA: near Maplewood Park, Ithaca, New York.
- 8328 [ATCC 14449] C Drechsler. Isolated from decaying plant residues. Acc'd 21 Feb 2007.

***Batkoa* sp.**

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 3131 K Hural (GF-3). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 5810 RA Humber. [Coleoptera: Cantharidae]. 9 Aug 1998. Denmark.
- 6179 BJ Hicks (3). Larva, *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.
- 6210 Rec'd 2 Jul 1999.
- 7370 AE Hajek (04 NY 9-1-1). Larva, *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 29 May 2004. USA: Saint Lawrence County, New York.

Batkoa apiculata (Thaxter) Humber

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. The nuclei of this taxon stain well and have granular contents when mounted in aceto-orcein or other nuclear stains. This fungus has a morphologically similar ancylistaceous fungus, *Conidiobolus pseudapiculatus* (q.v.), whose nuclei do not stain well and do not have granular contents.

- 67 [IPLB 602] G Remaudière. *Myzus ascalonicus* [Hemiptera: Aphididae]. 13 May 1975. France.
- 129 N Wilding (10). *Myzus persicae* [Hemiptera: Aphididae] on potato. 11 Aug 1976. USA: Rogers Farm, Stillwater, Maine.
- 174 FR Holbrook. *Macrosiphum euphorbiae* [Hemiptera: Aphididae] on potato. 7 Jul 1977. USA: Rogers Farm, Stillwater, Maine.
- 395 S Keller (35). Larva, [Hymenoptera]. 10 Aug 1976. Switzerland.
- 839 CSIRO (EM629) ← G Lutton. *Acyrtosiphon kondoi* [Hemiptera: Aphididae] on lucerne "condura". 17 Jun 1981. Australia: nr. Cooma, Umerella Station, New South Wales.
- 919 [ARSEF 1661] S Keller (450). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.

- 927 [ARSEF 1660] S Keller (449). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.
- 1146 M Shimazu (F-382). *Brevicoryne brassicae* [Hemiptera: Aphididae]. Acc'd 4 Apr 1984. Japan: Shizuoka Prefecture.
- 1660 [ARSEF 927] S Keller (449). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.
- 1661 [ARSEF 919] S Keller (450). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.
- 2504 J Eilenberg (KVL 29). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Apr 1987. Denmark: Karlebo, Zealand.
- 3080 SP Wraight. *Rhopalosiphum padi* [Hemiptera: Aphididae]. 22 Jun 1990. USA: irrigated wheat field, Piedmont Organic Produce Farm, Wellington, Colorado.
- 3088 MG Feng (MTRM9001). *Rhopalosiphum maidis* [Hemiptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.
- 3091 MG Feng (MTRM9004). *Rhopalosiphum maidis* [Hemiptera: Aphididae] on late-sown spring grain crop. 7 Aug 1990. USA: Bozeman, Montana.
- 3130 K Hural (GF-2). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York. possibly one vial left.
- 3136 K Hural (Hoff-1). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 3140 K Hural (Hoff-5). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 3225 P Folker-Hansen (F and 040590). *Bradysia paupera* [Diptera: Sciaridae]. 4 May 1990. Denmark.
- 3226 P Folker-Hansen (I and 080990). *Bradysia paupera* [Diptera: Sciaridae]. 8 Sep 1990. Denmark.
- 5552 KT Hodge. Adult, [Hemiptera: Cicadellidae]. 17 Sep 1997. McLean: Eames' Bog.
- 5994 C Nielsen (KVL 98-17). Alate, *Rhopalosiphum padi* [Hemiptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.

Batkoa gigantea (S Keller) Humber

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 214 S Keller (74). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd Spring 1978. Switzerland.
- 215 S Keller (75). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd Spring 1978. Switzerland.
- 403 [FPMI 768] S Keller (36). *Tipula paludosa* [Diptera: Tipulidae]. 8 Sep 1976. Switzerland.

Batkoa major (Thaxter) Humber

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 1427 RS Soper (84528-1). [Hemiptera: Aphididae]. 28 May 1984. Yugoslavia: plum orchard, Zemun, Belgrade.

- 2936 H Firstencel. *Empoasca fabae* [Hemiptera: Cicadellidae]. 5 Jan 1990. USA: laboratory colony, Ithaca, New York.
- 3102 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field # 6G, Catherine, New York.
- 3103 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 4 Sep 1990. USA: laboratory colony, Ithaca, New York.
- 12251 K Adesso. Adult, *Drosophila suzukii* [Diptera: Drosophilidae] on fruit of *Cornus kousa* Hance, kousa dogwood. 16 Aug 2013. USA: Tennessee State University, Otis L. Floyd Nursery Research Center, McMinnville, Tennessee.

***Batkoa papillata*(?)** (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 7068 MM White (NF-7-W3a). [Diptera: Simuliidae]. Rec'd 16 Oct 2002. Canada: Newfoundland.

Batrachochytrium dendrobatidis Longcore, Pessier & Nichols
[Chytridiomycetes: Chytridiales]

- 7191 JE Longcore (L-197). 14 Sep 1997. USA: New York Zoological Park, Bronx, New York.

***Beauveria* sp.**

[Sordariomycetes: Hypocreales]

Cordyciptaceae. Almost all strains listed here closely resemble *B. bassiana* (or *B. brongniartii*) but were not so identified because of small (and possibly insignificant) differences in conidia size and/or shape.

- 32 JE Henry. [Orthoptera: Acrididae]. 12 Jul 1973. USA: Montana.
- 547 VA Dyck. *Pachybrachis pallicornis* [Coleoptera: Chrysomelidae]. Acc'd 17 Sep 1986. Malaysia.
- 590 JM Lenné. *Mocis* sp. [Lepidoptera: Noctuidae]. Rec'd 13 Apr 1981. Colombia: Carimagua.
- 1040 J Aoki (Beau. 2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Sugunami, Tokyo Prefecture. Identification verified genomically.
- 1195 TJ Poprawski (001). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 18 May 1983. Italy: Vetralla, Lazio.
- 1196 TJ Poprawski (002). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1197 TJ Poprawski (004). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1198 TJ Poprawski (005). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1199 TJ Poprawski (013). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.
- 1200 TJ Poprawski (014). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.
- 1201 TJ Poprawski (023). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1202 TJ Poprawski (024). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1203 TJ Poprawski (025). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1204 TJ Poprawski (026). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1205 TJ Poprawski (027). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1206 TJ Poprawski (028). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1207 TJ Poprawski (030). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1208 TJ Poprawski (034). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Piancastagnaio, Toscana.
- 1209 TJ Poprawski (035). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 May 1983. Italy: Acquapendente, Lazio.
- 1210 TJ Poprawski (037). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1211 TJ Poprawski (038). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1213 TJ Poprawski (046). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1214 TJ Poprawski (047). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1215 TJ Poprawski (049). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1216 TJ Poprawski (050). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1218 TJ Poprawski (051). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.

- 1219 TJ Poprawski (052). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1220 TJ Poprawski (057). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1221 TJ Poprawski (059). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1222 TJ Poprawski (060). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1224 TJ Poprawski (061). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1327 TJ Poprawski (082). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1983. France: Saint-Laurent, Vosges.
- 1669 G Riba (C-37). [Araneida]. Acc'd 29 Oct 1984. France.
- 1681 M Shimazu (F-333). *Shirahoshizo insidiosus* [Coleoptera: Curculionidae]. 27 Jan 1982. Japan: Takao, Tokyo Prefecture.
- 1682 M Shimazu (F-357(11)). *Anomala cuprea* [Coleoptera: Scarabaeidae]. 20 Nov 1980. Japan: Nagano Prefecture.
- 1835 SB Alves (295). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 21 Jan 1985. Brazil.
- 1886 H David. *Chilo infuscatellus* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 1 Jun 1985. India: Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.
- 2164 BN Muthappa (PNG 12723). [Hemiptera: Membracidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2412 K Narayanan (9). *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. Acc'd 6 May 1987. India.
- 2998 CBS (607.80) ← HC Evans. Larva, [Lepidoptera]. Rec'd 22 May 1990. Ecuador.
- 3289 J Gutierrez Samperio (5) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3510 I Quintela (VL1). Rec'd 13 Dec 1991. Location not specified.
- 3859 [JB Tavares BRA-000027] MS Tigano-Milani (CG-76#1). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 13 Jan 1993. Brazil.
- 3929 DR Sosa-Gómez (CNPSO-Bb48). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF: 944 & 933.
- 3936 DR Sosa-Gómez (CNPSO-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF 944 & 933.
- 4027 T Steenberg (231) ← CW Riedel. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1990. Denmark: Slangerup, Zealand.
- 4197 LA Lacey (94015). [Orthoptera: Acrididae]. Rec'd 12 May 1994. Russian Federation.
- 4364 LA Lacey (94129). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4365 LA Lacey (94130). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4390 LA Lacey (94132). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4391 LA Lacey (94133). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4392 LA Lacey (94134). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4393 LA Lacey (94111). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4394 LA Lacey (94112). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4395 LA Lacey (94113). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4396 LA Lacey (94114). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4397 LA Lacey (94115). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4853 JM Sung (C-332). Adult, [Coleoptera: Coccinellidae]. Jul 1994. Republic of Korea: KNU experiment Forest, Kangwon National University.
- 4909 LA Lacey (95011). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4910 LA Lacey (95012). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4911 LA Lacey (95013). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4912 LA Lacey (95014). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4913 LA Lacey (95015). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4914 LA Lacey (95016). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4915 LA Lacey (95017). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4916 LA Lacey (95018). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4917 LA Lacey (95019). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

- 4918 LA Lacey (95020). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4920 LA Lacey (95022). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 5078 SR Booth (Quinby; BSP). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jan 1994. USA: Cranberry bog, Grayland, Washington.
- 5174 S Gouli (GA-86). [Araneida: Araneae]. 24 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5186 S Gouli (GA-96). [Coleoptera: Lampyridae]. 2 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5187 S Gouli (GA-97). [Araneida: Araneae]. 1 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5686 BL Parker (SPT-101). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5697 JM Sung (KEFC-1105). [Coleoptera]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.
- 5831 BL Parker (SPT 003). [Coleoptera]. 17 Jan 1998. Turkey: Karabiyikli, Narli, Kahraman Maras.
- 5832 BL Parker (SPT 11(a)). [Lepidoptera]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.
- 5833 BL Parker (SPT 013/1). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.
- 6533 FE Vega (EBCL 99076). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.
- 6534 FE Vega (EBCL 99077). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.
- 6535 FE Vega (EBCL 99080). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.
- 6536 FE Vega (EBCL 99085). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.
- 6537 FE Vega (EBCL 99088). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Lagodekhi.
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- 7564 I Klingen (NCRI 228/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7565 I Klingen (NCRI 229/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7566 I Klingen (NCRI 235/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
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- 7579 [SRCAMB B-3/3] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Sep 2001. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-289.
- 7580 [SRCAMB B-22] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Elateridae] Isolated from stroma of *Cordyceps* sp. 28 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-172.
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- 7584 [SRCAMB B-37/1] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta Isolated from synnema. Sep 2001. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-171.
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- 7587 [SRCAMB VL-64] V Likhovidov. Pupa, [Lepidoptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-177.
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- 7595 [SRCAMB B-405] V Likhovidov ← BA Borisov. [Coleoptera]. Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-207.
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- 7598 [SRCAMB VL-1040/2] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-174.
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- 7982 [CENARGEN CG 725] Rec'd 29 Mar 2006. Boveril commercial product from Itaforte BioProdutos, Brazil. **RESTRICTED ACCESS: consult Curator.**
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- 8123 LS Bauer and H Liu (MF-213). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 Dec 2005. USA: Brighton, Michigan.
- 8124 LS Bauer and H Liu (MF-214). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 2 Feb 2006. USA: Brighton, Michigan.
- 8125 LS Bauer and H Liu (MF-215). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.
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- 12458 T Reall (BLF) or (MH5). *Galleria mellonella* [Lepidoptera: Pyralidae]. Sep 2011. USA: Monterey Hills forest, Columbia, Missouri. N 38.98277, W 92.38711.
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- 12537 A Altinok (60A). Isolated from soil sample. Rec'd 19 May 2014. Turkey: Kayseri Province.
- 12793 [OKSTATE 54] EJ Rebek and JA Rodriguez-Contreras ← SR Sánchez Peña. Larva, *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Summer 2014. USA: Cimarron Valley Research Station, Oklahoma State University, Stillwater, Oklahoma.
- 12794 [OKSTATE 87] EJ Rebek and JA Rodriguez-Contreras ← SR Sánchez Peña. Larva, *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Summer 2014. USA: Lakeside Memorial Golf Course, Stillwater, Oklahoma.
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Beauveria amorpha (von Hoehnel) Minnick, SA
Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Replaces *B. amorpha* (von Hoehnel)
Samson & Evans.

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- 2641 DW Roberts ← SB Alves (621). *Solenopsis* sp. [Hymenoptera: Formicidae]. Rec'd 23 Nov 1988. Brazil: Alambari, São Paulo. Identification verified genomically.
- 4149 [DAT 142] AC Rath (F142). Pre-pupa, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania. Identification verified genomically.
- 4990 LA Lacey (95048). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 6227 [RCEF 0288] [Lepidoptera]. 13 May 1997. PR China: Anhui.
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- 6577 WK Reeves. [Orthoptera: ?Gryllacrididae]. Rec'd 18 Aug 2000. USA: Rich Mountain Blowhole Cave, Blount County, Tennessee.
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- 10947 DW Roberts (DWR 1074). Isolated from soil sample SS 7295. 25 Jul 2008. USA: Millard County, Utah. N 39.0925, W 112.1329.
- 11113 DW Roberts (DWR 1305). Isolated from soil sample SS 8995. 30 Jun 2008. USA: Yuma County, Colorado. N 40.039758, W 102.11466.

Beauveria amorpha(?) (van Hoehnel) Samson & HC
Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 6827 TL Dubois (WU 20 (2)). *Anoplophora glabripennis*

[Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.

Beauveria asiatica SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 4384 LA Lacey (94135). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou. Identification verified genomically.
- 4474 LA Lacey (94152). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou. Identification verified genomically.
- 4850 JM Sung (C-322). Adult, longicorn. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwon-do. CULTURE EX TYPE.

Beauveria australis SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 4580 [DAT 460] AC Rath (F460). [Orthoptera: Acrididae]. Rec'd 1 Sep 1994. Australia: Tasmania. Identification verified genomically.
- 4598 [DAT 308] AC Rath (F308) ← H Yip (HY51). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania. CULTURE EX TYPE.
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Beauveria bassiana (Balsamo-Crivelli) Vuillemin
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Beauveria densa* (Link:Fries) Picard

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- 150 M Wojciechowska (24). [Coleoptera: Elateridae]. Rec'd 18 Jul 1977. France.
- 151 M Wojciechowska (17). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 18 Jul 1977. France.
- 153 M Wojciechowska (2-72). *Chrysopa* sp. [Neuroptera: Chrysopidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.
- 154 M Wojciechowska (51-75). *Pamphilius betulae* [Hymenoptera: Pamphiliidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.

- 155 M Wojciechowska (75-67). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.
- 158 M Wojciechowska (N-2). Soil. Rec'd 18 Jul 1977. Poland.
- 159 M Wojciechowska (70). Rec'd 18 Jul 1977. Czech Republic.
- 160 M Wojciechowska (72). Rec'd 18 Jul 1977. Czech Republic.
- 201 JD Vandenberg. *Diabrotica undecimpunctata* [Coleoptera: Chrysomelidae] on greenbeans. 22 Oct 1977. USA: greenhouse, Corvallis, Oregon. Mycotech's GHA (US Patent 5,939,065; 17 Aug 1999), the active ingredient in Mycotrol products, is a reisolat of this strain.
- 220 Boverin formulation. Rec'd Jun 1978. Commonwealth of Independent States.
- 252 C Madore. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 14 Sep 1978. USA: greenhouse, Orono, Maine.
- 275 Single spore reisolat of ARSEF 252. 4 Dec 1978. Laboratory manipulation.
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- 277 Single spore reisolat of ARSEF 252. 4 Dec 1978. Laboratory manipulation.
- 278 Single spore reisolat of ARSEF 252. 4 Dec 1978. Laboratory manipulation.
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- 280 Single spore reisolat of ARSEF 252. 4 Dec 1978. Laboratory manipulation.
- 281 Single spore reisolat of ARSEF 252. 4 Dec 1978. Laboratory manipulation.
- 282 Single spore reisolat of ARSEF 252. 4 Dec 1978. Laboratory manipulation.
- 283 DW Roberts ← O Alyoshina. Single spore reisolat of Boverin formulation. 2 Dec 1978. Commonwealth of Independent States.
- 284 DW Roberts (N-2) ← O Alyoshina. Single spore reisolat of Boverin formulation. Apr 1978. Commonwealth of Independent States.
- 285 DW Roberts (1110) ← O Alyoshina. Single spore reisolat of Boverin formulation. Apr 1978. Commonwealth of Independent States.
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- 287 DW Roberts (BSS-2) ← O Alyoshina. Single spore reisolat of Boverin formulation. Apr 1978. Commonwealth of Independent States.
- 288 DW Roberts (BSS-3) ← O Alyoshina. Single spore reisolat of Boverin formulation. Apr 1978. Commonwealth of Independent States.
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- 293 DW Roberts ← CW McCoy. [Coleoptera]. Acc'd 4 Jan 1979. Location not specified.
- 295 DW Roberts ← CW Emmons. 2 Nov 1978. Location not specified.
- 296 DW Roberts (CLB-2) ← E West-Davidson. 1967. USA: Ohio State University, Ohio.
- 301 DW Roberts ← B Schaerffenberg. [Coleoptera]. Acc'd 23 Mar 1979. Poland.
- 302 DW Roberts (Bbass-2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. 1967. Japan.
- 303 DW Roberts (Bbass-3) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. 1967. Japan.
- 304 DW Roberts (Bbass-4) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. 1967. Japan.
- 305 DW Roberts (Bbass-5) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. 1967. Japan.
- 306 DW Roberts (SG-8). Acc'd Apr 1979. USA: Ohio.
- 307 DW Roberts (SH-8). Acc'd Mar 1979. USA: Ohio.
- 308 DW Roberts (I FAR) ← K Kawakami. Acc'd Mar 1979. Japan.
- 317 RA LeBrun. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 27 Feb 1979. USA: Rhode Island.
- 318 RA LeBrun. [Coleoptera: Cerambycidae]. Rec'd 27 Feb 1979. USA: Rhode Island.
- 319 RA LeBrun. [Coleoptera: Cerambycidae]. Rec'd 27 Feb 1979. Mexico.
- 320 GR Buckingham. *Mesovelia mulsanti* [Hemiptera: Mesoveliidae]. Dec 1978. USA: Gainesville, Florida.
- 325 [CSIRO FI49] RS Soper. [Coleoptera: Nitidulidae] on maize. 14 Feb 1979. Australia: Atherton, Queensland.
- 326 [CSIRO FI50] RS Soper ← R Teakle (M-168). *Chilo plejadellus* [Lepidoptera: Pyralidae]. Acc'd 26 Mar 1979. Australia: Brisbane, Queensland.
- 333 DW Roberts (SG-(G)) or (2A2-B(b)) ← B Schaerffenberg. Single spore reisolat of ARSEF 301. 1970. Poland.
- 334 DW Roberts (SG-(F)) or (2A3-B(a)) ← B Schaerffenberg. Single spore reisolat of ARSEF 301. 1970. Poland.
- 335 DW Roberts (SG-(G)) or (2B2-A) ← B Schaerffenberg. Single spore reisolat of ARSEF 301. 1970. Poland.
- 336 C Russel. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 25 Aug 1978. USA: Georgia.

- 337 C Russel. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 25 Aug 1978. USA: Georgia.
- 338 T Nash (MIT1). *Diprion pini* [Hymenoptera: Diprionidae]. 21 Jun 1978. Location not specified.
- 340 DW Roberts ← G Zimmermann. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 1965. Germany: Darmstadt, Hesse.
- 344 J Lindegren. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Feb 1979. USA: Yakima, Washington.
- 350 IM Abalis. [Coleoptera]. Acc'd 8 Jun 1979. USA: Ithaca, New York.
- 353 C Gordon. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. May 1978. USA: laboratory colony, Orono, Maine.
- 356 [CSIRO FI51] RS Soper (Bb-1). [Orthoptera: Acrididae]. 31 Jan 1979. Australia: Armidale, New South Wales.
- 357 RS Soper (Bb-2). [Orthoptera: Acrididae]. 31 Jan 1979. Australia: Armidale, New South Wales.
- 384 INRA. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd Sep 1979. France.
- 412 CW McCoy. *Diaprepes abbreviata* [Coleoptera: Curculionidae]. 27 Jul 1979. USA: Apopka, Florida.
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- 1107 KV Deseö (26) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Mar 1982. Italy: Modena, Emilia-Romagna.
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- 1157 TJ Poprawski (83-619). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
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- 1168 TJ Poprawski (83-702). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 10 Oct 1983. France: Senneville.

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- 1173 TJ Poprawski (A5). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Achouria.
- 1174 TJ Poprawski (A6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1175 TJ Poprawski (A7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Achouria.
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- 1192 TJ Poprawski (646). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Anet, Eure-et-Loir.
- 1193 TJ Poprawski (647). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Ecos, Eure.
- 1194 TJ Poprawski (648). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Meulan, Yvelines.
- 1269 [IRRI Pal. 2] MC Rombach. *Leptocoris oratorius* [Hemiptera: Rhopalidae] on rice. Acc'd 3 May 1984. Philippines: Palawan.
- 1270 [IRRI O2III] MC Rombach. *Leptocoris oratorius* [Hemiptera: Rhopalidae] on rice. Acc'd 3 May 1984. Philippines: Palawan.
- 1306 TJ Poprawski (83-611). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1309 TJ Poprawski (A8). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1311 TJ Poprawski (A10). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1312 TJ Poprawski (A11). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1313 TJ Poprawski (A12). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1314 TJ Poprawski (070A). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1315 TJ Poprawski (070B). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1316 TJ Poprawski (070C). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1317 TJ Poprawski (074A). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1318 TJ Poprawski (074B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1319 TJ Poprawski (076). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1320 TJ Poprawski (078). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1321 TJ Poprawski (079B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1322 TJ Poprawski (079C). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.

- 1323 TJ Poprawski (079D). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1324 TJ Poprawski (079E). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1325 TJ Poprawski (079F). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1326 TJ Poprawski (080). Nymph, [Orthoptera: Acrididae]. 27 Jun 1983. France: Prades, Pyrénées-Orientales.
- 1389 TJ Poprawski (088). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Baron.
- 1394 TJ Poprawski (071). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 18 Aug 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1395 TJ Poprawski (075). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 23 Aug 1983. France: Saint-Denis du Pin, Seine-Saint-Denis.
- 1396 TJ Poprawski (077A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.
- 1397 TJ Poprawski (077B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.
- 1398 TJ Poprawski (086). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Marsanne, Drôme.
- 1399 TJ Poprawski (087). Adult, *Hypera postica* [Coleoptera: Curculionidae]. Mar 1984. France: Marsanne, Drôme.
- 1404 TJ Poprawski (092A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.
- 1405 TJ Poprawski (092B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.
- 1406 TJ Poprawski (093A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1407 TJ Poprawski (093B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
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- 1409 TJ Poprawski (094B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1410 TJ Poprawski (095). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1411 TJ Poprawski (096A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1412 TJ Poprawski (096B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1413 TJ Poprawski (097). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 13 Oct 1983. France: Senneville.
- 1414 TJ Poprawski (099). Nymph, *Lygus* sp. [Hemiptera: Miridae]. May 1984. France: Senneville.
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- 1453 [CNPAF 84-02-30-2; CP 143] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 1454 [CNPAF 84-03-28-1F; CP 144] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
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- 1456 [CNPAF 84-04-03-6A; CP 146] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
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- 1462 [CNPAF 84-03-28-1G; CP 152] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
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- 1510 I Majchrowicz (58) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
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- 1512 TJ Poprawski (0102A). Adult, *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 21 Jun 1984. France: La Minière.
- 1513 TJ Poprawski (0102B). Adult, *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 21 Jun 1984. France: La Minière.
- 1514 TJ Poprawski (0103A). Pupa, *Musca autumnalis* [Diptera: Muscidae]. 13 Jun 1984. France: Le Trait, Seine-Maritime.
- 1515 TJ Poprawski (0107). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 13 Jun 1984. France.
- 1516 TJ Poprawski (0108). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 19 Aug 1984. France: Senneville.
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- 1518 TJ Poprawski (0111). Adult, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. 27 Jun 1984. France: Entraigues, Vaucluse.
- 1519 TJ Poprawski (0112). Adult, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. 27 Jun 1984. France: Entraigues, Vaucluse.
- 1520 TJ Poprawski (0117A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Jun 1984. France: Prades, Pyrénées-Orientales.
- 1521 TJ Poprawski (0117B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Jun 1984. France: Prades, Pyrénées-Orientales.
- 1523 TJ Poprawski (0122). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. France: Ronce.
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- 1526 TJ Poprawski (0124B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
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- 1528 TJ Poprawski (0126). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.
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- 1534 TJ Poprawski (0128B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
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- 1537 TJ Poprawski (0131A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.
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- 1559 KV Deseö (88) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
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- 1563 KV Deseö (92) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.
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- 1627 TJ Poprawski (0104). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllő.
- 1628 TJ Poprawski (0105). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllő.
- 1629 TJ Poprawski (0106). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllő.
- 1630 TJ Poprawski (0118A). Larva, *Calliphora* sp. [Diptera: Calliphoridae]. 27 Jun 1984. France: Sèvres, Yvelines.
- 1635 TJ Poprawski (0133B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 Jun 1984. Austria: Burgenland.
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- 1643 TJ Poprawski (0140). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1647 TJ Poprawski (0143). Adult, *Sitona* sp. [Coleoptera: Curculionidae]. 22 Aug 1984. France: Orval, Ardennes.
- 1648 TJ Poprawski (0144). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Charente.
- 1649 TJ Poprawski (0145). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Drôme.
- 1650 TJ Poprawski (0146). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Saint-Denis du Pin, Seine-Saint-Denis.
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- 1678 M Shimazu (F-237). *Moechotypa diphysis* [Coleoptera: Cerambycidae]. Aug 1978. Japan: Tsushima, Nagasaki Prefecture.
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- 1706 L Allee (84-4). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1707 L Allee (84-5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1708 L Allee (84-7). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1709 L Allee (84-8). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
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- 1711 L Allee (84-10). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
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- 1721 L Allee (84-13). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 17 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
- 1722 L Allee (84-19). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 31 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.
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- 2642 DW Roberts ← SB Alves (695). *Metamasius hemipterus* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Brazil: Londrina, Paraná.
- 2676 WA Gardner and RD Harrison. Adult, *Curculio caryae* [Coleoptera: Curculionidae] on pecan. 25 Aug 1988. USA: Griffin, Georgia.
- 2685 [IMI 327908] C Prior (Kenya 1). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.
- 2686 [IMI 327909] C Prior (Kenya 2). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.
- 2687 [IMI 330194] C Prior (Kenya 3). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.
- 2688 [IMI 327910] C Prior (Togo 1). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2689 [IMI 329064] C Prior (Togo 2). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2690 [IMI 329065] C Prior (Togo 3). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2691 [IMI 329066] C Prior (Togo 4). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2692 [IMI 329067] C Prior (Togo 5). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.
- 2693 [IMI 327906] C Prior. *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Mexico.
- 2695 Abbott Laboratories (89-201). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 24 Mar 1989. Commonwealth of Independent States.
- 2722 [Evans BioControl 447] B Bennett. *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd 30 May 1989. Brazil.
- 2723 [Evans BioControl 479] B Bennett. *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd 30 May 1989. Brazil.
- 2725 GW Riethmacher (B10C). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 4 Mar 1989. Philippines: La Trinidad, Benguet.
- 2727 GW Riethmacher (L1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 27 Jan 1989. Philippines: La Trinidad, Benguet.
- 2728 GW Riethmacher (L2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 27 Jan 1989. Philippines: La Trinidad, Benguet.
- 2729 GW Riethmacher (L3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 17 Mar 1989. Philippines: La Trinidad, Benguet.
- 2737 GW Riethmacher (BP). *Bombyx mori* [Lepidoptera: Bombycidae]. 23 Dec 1988. Philippines: La Trinidad, Benguet.

- 2739 GW Riethmacher (BB). Boverin formulation passed through *Plutella xylostella* [Lepidoptera: Plutellidae]. 28 Dec 1988. Philippines: La Trinidad, Benguet.
- 2748 GW Riethmacher (B13A). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 11 Mar 1989. Philippines: Atok, Benguet.
- 2831 AE Hajek ← K Tatman (MD99#6). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1989. USA: Baltimore County, Maryland. Identification verified genomically.
- 2857 SR Sánchez Peña (3-2). Pupa, [Lepidoptera]. Jul 1987. Mexico: Pueblo Nuevo, Durango.
- 2860 MG Feng (SG8702). *Schizaphis graminum* [Hemiptera: Aphididae] on spring wheat. 17 Jul 1987. USA: Parma, Idaho.
- 2861 MG Feng (DN8803). *Diuraphis noxia* [Hemiptera: Aphididae] on spring wheat. 7 Jul 1988. USA: Parma, Idaho.
- 2864 MG Feng (DN8804). *Diuraphis noxia* [Hemiptera: Aphididae] on spring wheat. 19 Jul 1988. USA: Parma, Idaho.
- 2869 J Peña ← J Fortier. *Bephratelloides cubensis* [Hymenoptera: Eurytomidae]. 7 Jul 1989. USA: Homestead, Florida.
- 2879 MG Feng (DN8805). *Diuraphis noxia* [Hemiptera: Aphididae] on late spring barley. 27 Jul 1988. USA: Parma, Idaho.
- 2880 MG Feng (SG8701). *Schizaphis graminum* [Hemiptera: Aphididae] on spring wheat. 17 Jul 1987. USA: Parma, Idaho.
- 2881 MG Feng (SG8801). *Schizaphis graminum* [Hemiptera: Aphididae] on late spring barley. 28 Jul 1988. USA: Parma, Idaho.
- 2882 MG Feng (DN8806). *Diuraphis noxia* [Hemiptera: Aphididae] on spring wheat. 19 Jul 1988. USA: Parma, Idaho.
- 2883 [ARSEF 2336] MG Feng (SGBB8601). *Schizaphis graminum* [Hemiptera: Aphididae] on winter wheat. Jun 1986. USA: Parma, Idaho.
- 2938 [CP 270] SP Wraight ← R da Silva Carvalho. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2942 [CP 274] SP Wraight ← MGA de Lima. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 28 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2943 [CP 275] SP Wraight ← SM dos Santos and DR Sosa-Gómez. [Hymenoptera: Vespidae]. 8 Dec 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2944 [CP 276] SP Wraight ← LG Leite. [Hymenoptera: Vespidae]. 16 Dec 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2945 [CP 290] SP Wraight ← SB Alves. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1988. Brazil: Piracicaba, São Paulo.
- 2946 [CP 281] SP Wraight ← SB Alves. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1988. Brazil: Piracicaba, São Paulo.
- 2953 [UAF 189] DC Steinkraus. Adult, *Musca domestica* [Diptera: Muscidae]. 21 Jul 1989. USA: dairy farm, Cayuga County, New York.
- 2957 CENARGEN (CG 145). Rec'd 14 Mar 1990. Brazil: Manaus, Amazonas.
- 2961 CENARGEN (CG 165). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.
- 2962 CENARGEN (CG 166). Egg, *Schirius* sp. [Lepidoptera: Saturniidae]. Rec'd 14 Mar 1990. Brazil: Curitiba, Paraná.
- 2972 K Ostrovska. *Phlebotomus papatasi* [Diptera: Psychodidae]. Rec'd 1 Oct 1991. United Kingdom: laboratory colony, London School for Tropical Medicine & Hygiene, London, England.
- 2976 DM Schmidt. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. 14 Mar 1990. USA: Centre County, Pennsylvania.
- 2983 T Searle (CW1). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.
- 2984 T Searle (CW2). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.
- 2985 T Searle (CW3). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1989. Canada: Saint-Jean, Québec.
- 2986 T Searle (CW4). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1989. Canada: Saint-Jean, Québec.
- 2987 T Searle (LD1). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2988 T Searle (LD2). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2989 T Searle (LD3). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2990 T Searle (LD4). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2991 T Searle (LD5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 3018 CENARGEN (CG 68). *Forficula auricularia* [Dermaptera: Forficulidae]. Apr 1988. Brazil: Brasília, Distrito Federal.
- 3019 CENARGEN (CG 69). *Deois flavopicta* [Hemiptera: Cercopidae]. Apr 1988. Brazil: Brasília, Distrito Federal.

- 3020 CENARGEN (CG 86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 20 Jul 1990. Brazil: Pernambuco.
- 3037 W Mechaber (weevil#2354). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Gaylussacia baccata*. 20 May 1990. USA: Carver, Massachusetts.
- 3040 WE Jones (SHB). [Coleoptera: Scolytidae] inside macadamia nut kernel. May 1990. USA: Kona, Island of Hawaii, Hawaii.
- 3041 WE Jones (499v2). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Rec'd 7 Aug 1990. Canada: Toronto, Ontario.
- 3086 J Peña ← H Glenn. *Leptoglossus fulvicornis* [Hemiptera: Coreidae] on holly. 7 Sep 1990. USA: Homestead, Florida.
- 3097 Fermone Corporation (FCI-7744). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 18 Oct 1990. USA: Rio Grande Valley, Texas. **RESTRICTED ACCESS:** contact Curator.
- 3098 L Loch ← G Albuquerque. *Oryzophagus oryzae* [Coleoptera: Curculionidae] on rice. Rec'd 29 Oct 1990. Brazil: Pôrto Alegre, Rio Grande do Sul.
- 3111 DW Watson (P 89) ← L Meinke. *Diabrotica virgifera* [Coleoptera: Chrysomelidae]. 13 Sep 1990. USA: Mead, Nebraska.
- 3112 JK Cawthra and CJ Geden (P 89). [Coleoptera: Staphylinidae] originally from beef feed lot. 10 Sep 1990. USA: laboratory colony, Lincoln, Nebraska.
- 3113 [CIRI Anderson Isolate] LC Lewis. Soil isolate passed through *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Apr 1990. Laboratory manipulation: Iowa State Univ. Research Farm.
- 3120 G Mercadier and TJ Poprawski (8851). [Hemiptera: Aphididae] on *Senecio* sp. 10 Jun 1988. France: Béhoust, Yvelines.
- 3154 G Mercadier and TJ Poprawski (8809B). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.
- 3155 G Mercadier and TJ Poprawski (8809C). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 14 Jun 1988. Turkey: Akyurt, Ankara.
- 3156 G Mercadier and TJ Poprawski (8809D). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. Jun 1988. Turkey: Akyurt, Ankara.
- 3157 G Mercadier and TJ Poprawski (8809E). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 14 Jun 1988. Turkey: Güdül, Ankara.
- 3158 G Mercadier and TJ Poprawski (8809G). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 13 Jun 1988. Turkey: Karasar, Ankara.
- 3166 G Mercadier and TJ Poprawski (8835A). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. Jun 1988. Turkey: Beypazari, Ankara.
- 3167 G Mercadier and TJ Poprawski (8835B). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 13 Jun 1988. Turkey: Ayas, Ankara.
- 3168 G Mercadier and TJ Poprawski (8835C). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 12 Jun 1988. Turkey: Sirkeli, Ankara.
- 3169 G Mercadier and TJ Poprawski (8835D). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 13 Jun 1988. Turkey: Urus.
- 3181 GW Riethmacher (B37a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 12 Mar 1990. Philippines: Plaridel, Quezon.
- 3197 GW Riethmacher (Bet1). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3198 GW Riethmacher (Bet2). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3199 GW Riethmacher (Bet3). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3215 G Mercadier and TJ Poprawski (8854 (second form)). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 27 Nov 1990. Laboratory manipulation. Reisolate of ARSEF 3122.
- 3219 [CP 478(479?)] DW Roberts ← JM Gomes. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Rec'd 8 Feb 1991. Brazil.
- 3285 J Gutierrez Samperio (1) ← ERD Reyes. *Atta* sp. [Hymenoptera: Formicidae]. 1987. Mexico: Monterrey, Nuevo León.
- 3286 J Gutierrez Samperio (2) ← ERD Reyes. *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 1987. France: Montpellier, Hérault.
- 3287 J Gutierrez Samperio (3) ← ERD Reyes. *Diabrotica* sp. [Coleoptera: Chrysomelidae] on corn. 1988. Mexico: Colima.
- 3288 J Gutierrez Samperio (4) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3309 J Gutierrez Samperio (25) ← ERD Reyes. *Diabrotica balteata* [Coleoptera: Chrysomelidae] on corn. 1990. Mexico: Colima.
- 3310 J Gutierrez Samperio (26) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Comala, Colima.
- 3311 J Gutierrez Samperio (27) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3312 J Gutierrez Samperio (28) ← ERD Reyes. [Hemiptera: Membracidae] on sugar cane. 1990. Mexico: Cuauhtémoc, Colima.
- 3385 I Majchrowicz (25-a). *Myzus persicae* [Hemiptera: Aphididae] on potato. 11 Jul 1991. USA: Orchard Farm, Yakima, Washington.
- 3386 I Majchrowicz (23). [Coleoptera: Carabidae] nr. potato plants. 3 Jul 1991. USA: garden nr. USDA laboratory, Yakima, Washington.
- 3403 MS Goettel. *Ceutorhynchus litura* [Coleoptera: Curculionidae]. Rec'd 6 Mar 1992. Location not specified.

- 3404 AE Hajek (24). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: C & O Canal, Allegany County, Maryland.
- 3437 [CATIE 1] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Rec'd 28 Oct 1991. Costa Rica: Turrialba, Cartago.
- 3438 [CATIE 2] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3439 [CATIE 3] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3440 [CATIE 4] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3441 [CATIE 5] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3442 [CATIE 6] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3443 [CATIE 7] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3444 [CATIE 8] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3445 [CATIE 9] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3446 [CATIE 10] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3447 [CATIE 11] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3448 [CATIE 12] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3449 [CATIE 13] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3450 [CATIE 14] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3451 [CATIE 15] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3452 [CATIE 16] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3453 [CATIE 17] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3454 [CATIE 18] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3455 [CATIE 19] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3456 [CATIE 20] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3457 [CATIE 21] TG Zoebisch. [Coleoptera: Languriidae] on *Macadamia integrifolia*. Sep 1991. Costa Rica: Turrialba, Cartago.
- 3460 SV Krueger (540). Soil. Jun 1991. USA: Smith Forest, Trumansburg, New York.
- 3462 MS Goettel (MISI). Soil. 12 Jul 1991. Canada: nr. Magrath, Alberta.
- 3477 CENARGEN (CG 187). Soil. 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3513 I Quintela (VL5). Rec'd 13 Dec 1991. Location not specified.
- 3514 I Quintela (VL6). Rec'd 13 Dec 1991. Colombia.
- 3515 I Quintela (VL7). Rec'd 13 Dec 1991. Location not specified.
- 3516 I Quintela. Rec'd 13 Dec 1991. Location not specified.
- 3527 AE Hajek (58a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: nr. Ruckersville, Greene County, Virginia.
- 3530 AE Hajek (220b). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Piclic Run, Allegany County, Maryland.
- 3534 SM DeFazio and PD McKown (C-7). *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1991. Location not specified.
- 3543 M Brownbridge (B-33). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3607 IMI (I91-612). *Anacridium aegyptium*. Rec'd 26 Feb 1992. Greece: Crete.
- 3620 IMI (Mycotech). *Melanoplus* sp. [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. USA. **RESTRICTED ACCESS:** contact Curator.
- 3622 IMI (331275). [Orthoptera]. Rec'd 26 Feb 1992. USA.
- 3667 AE Hajek (BFMS). [Coleoptera: Curculionidae]. Apr 1991. USA: New York.
- 3681 LS Osborne. Organic Naturalis. Rec'd Apr 1992. Location not specified.
- 3716 RA LeBrun ← J Hanula (C-2). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1992. Location not specified.
- 3717 RA LeBrun ← J Hanula (C-3). *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.

- 3734 SB Alves (447). Rec'd 12 Jun 1992. Location not specified.
- 3769 DC Steinkraus. *Lygus lineolaris* [Hemiptera: Miridae]. 12 Jun 1992. USA: Little River County, Arkansas.
- 3818 ERD Reyes (BbCO1). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] coffee. 9 Oct 1992. Mexico: Oaxaca.
- 3819 ERD Reyes (BbCO2). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on coffee. 9 Oct 1992. Mexico: Oaxaca.
- 3825 S Walsh (3762T5) ← ARSEF (3762). Rec'd 19 Feb 1993. Laboratory manipulation.
- 3858 [JB Tavares BRA-000035] MS Tigano-Milani (CG-86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 13 Jan 1993. Brazil.
- 3866 LA Lacey (92214). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.
- 3867 LA Lacey (92178) ← A Farias. *Diuraphis noxia* [Hemiptera: Aphididae]. 28 Jul 1992. France: Montpellier, Hérault.
- 3890 [ARSEF 3385] N Underwood (U3385). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3891 [ARSEF 3166] N Underwood (3166). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3892 N Underwood (2457). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3897 LA Lacey (92219). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Iráklion, Crete.
- 3905 [ARSEF 2882] N Underwood (U2882). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3906 [ARSEF 1555] N Underwood (U1555). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3907 [ARSEF 2320] N Underwood (U2320). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3908 [ARSEF 3908] N Underwood (U3908). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3927 DR Sosa-Gómez (CNPSO-Bb46). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 3934 DR Sosa-Gómez (CNPSO-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 3937 DR Sosa-Gómez (CNPSO-P23). [Lepidoptera: Noctuidae: Plusiinae]. 19 Jan 1990. Brazil: Londrina, Paraná.
- 3966 LA Lacey (93003) ← F Herard. Larva, *Yponomeuti-dae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3967 LA Lacey (93004) ← F Herard. Larva, *Yponomeuti-dae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3968 LA Lacey (93005) ← F Herard. Larva, *Yponomeuti-dae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3969 LA Lacey (93006) ← F Herard. Larva, *Yponomeuti-dae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3970 LA Lacey (93007) ← F Herard. Larva, *Yponomeuti-dae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3972 LA Lacey (93009) ← F Herard. Larva, *Cydia pomon-ella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3973 LA Lacey (93010) ← F Herard. Larva, *Cydia pomon-ella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3974 LA Lacey (93011) ← F Herard. Larva, *Cydia pomon-ella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3975 LA Lacey (93012) ← F Herard. Larva, *Cydia pomon-ella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3977 LA Lacey (93014) ← F Herard. Larva, *Cydia pomon-ella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3978 LA Lacey (93015) ← F Herard. Larva, *Cydia pomon-ella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3979 LA Lacey (93016) ← F Herard. Larva, *Cydia pomon-ella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3995 LA Lacey (93032) ← A Lacasa. *Frankliniella occi-dentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3996 LA Lacey (93033) ← A Lacasa. *Frankliniella occi-dentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3999 LA Lacey (93036) ← Hermes. [Hemiptera: Membraci-dae]. 4 Apr 1993. Brazil: Bahia.
- 4001 [A Mesquita] LA Lacey (93038). *Crimissa cruralis* [Coleoptera: Chrysomelidae]. 3 May 1993. Brazil: Pacajus, Ceará.
- 4012 T Steenberg (194) ← M Steen. *Delia radicum* [Dip-tera: Anthomyiidae]. Jul 1989. Denmark: Insect Rearing Unit, Zealand.
- 4013 T Steenberg (195) ← A Kirkeby-Thomse. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1993. Denmark: Copenhagen, Tåstrup, Zealand.
- 4014 T Steenberg (195-S) ← A Kirkeby-Thomse. Sep 1989. Laboratory manipulation: Single spore isolate of ARSEF 4013.

- 4015 T Steenberg (196) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1989. Denmark: Falster, Storstrøm.
- 4016 T Steenberg (201) ← V Langer. *Sitona lineatus* [Coleoptera: Curculionidae] on white clover. Mar 1990. Denmark: Ringsted, Zealand.
- 4017 T Steenberg (201-S) ← V Langer. Mar 1990. Laboratory manipulation: Single spore isolate of ARSEF 4016.
- 4018 T Steenberg (202) ← J Eilenberg. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Mar 1990. Denmark: Jægerspris, Zealand.
- 4019 T Steenberg (205) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Mar 1990. Denmark.
- 4021 T Steenberg (212) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae] on pea. Jul 1990. Denmark: Pajbjerg, Jutland.
- 4023 T Steenberg (217). *Apion* sp. [Coleoptera: Curculionidae] on alfalfa. Oct 1990. Denmark: Copenhagen, Tåstrup, Zealand.
- 4026 T Steenberg (228). Phylum Arthropoda, Class Insecta soil. Nov 1990. Denmark: Næstved, Zealand.
- 4028 T Steenberg (233) ← CW Riedel. *Tachyporus* sp. [Coleoptera: Staphylinidae]. Jan 1991. Denmark: Svanholm, Zealand.
- 4030 Acc'd 8 Dec 1993.
- 4031 T Steenberg (237) ← CW Riedel. *Amara plebeja* [Coleoptera: Carabidae]. Jan 1991. Denmark: Foulum, Jutland.
- 4032 T Steenberg (238) ← CW Riedel. *Bembidion lampros* [Coleoptera: Carabidae]. Jan 1991. Denmark: Svanholm, Zealand.
- 4034 T Steenberg (240). *Amara familiaris* [Coleoptera: Carabidae]. Mar 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4035 T Steenberg (244) ← A Kirkeby-Thomse. [Heteroptera: Miridae] Alfalfa. Sep 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4038 T Steenberg (253). *Hypera postica* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4041 T Steenberg (261). *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4046 T Steenberg (276) ← V Langer. *Anotylus* sp. [Coleoptera: Staphylinidae]. Nov 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4049 T Steenberg (298). *Hypera postica* [Coleoptera: Curculionidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4051 T Steenberg (349). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Nov 1992. Denmark: Brenderup, Fyn.
- 4052 T Steenberg (355). [Coleoptera: Curculionidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4053 T Steenberg (356). *Lygus* sp. [Heteroptera: Miridae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4054 T Steenberg (359). *Gyrophynus angustatus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4055 T Steenberg (362). [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.
- 4056 T Steenberg (365). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.
- 4057 T Steenberg (426). [Heteroptera]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4091 LA Lacey (94001). *Tibraca limbativentres* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4092 LA Lacey (94002). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4093 LA Lacey (94003). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4099 [ARSEF 2879] J McManus (DnBb2g4p.ss1). *Diuraphis noxia* [Hemiptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4100 [ARSEF 2879] J McManus (DnBb2g4p.ss2). *Diuraphis noxia* [Hemiptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4101 [ARSEF 2879] J McManus (DnBb2g4p.ss3). *Diuraphis noxia* [Hemiptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4106 JD Vandenberg (DnBb2i3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4107 JD Vandenberg (DnBb2h2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4108 JD Vandenberg (DnBb2g2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4109 JD Vandenberg (DnBb2d2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4110 JD Vandenberg (DnBb2b2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4111 JD Vandenberg (DnBb2e2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

- 4112 JD Vandenberg (DnBb2f2p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4113 JD Vandenberg (DnBb1a3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4114 JD Vandenberg (DnBb1b3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4115 JD Vandenberg (DnBb1c3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4116 JD Vandenberg (DnBb1d3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4117 JD Vandenberg (DnBb1e3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4118 JD Vandenberg (DnBb1f3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4119 JD Vandenberg (DnBb1g3p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4120 JD Vandenberg (DnBb1h4p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4121 JD Vandenberg (DnBb1j4p). *Diuraphis noxia* [Hemiptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4130 [DAT 7; RJ Milner F11] AC Rath (F007). *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 12 Jul 1979. Australia: Guyra, New South Wales.
- 4135 [DAT 15] AC Rath (F015). Larva, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.
- 4136 [DAT 17] AC Rath (F017). Larva, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.
- 4200 LA Lacey (94013) ← La Casa. Larva, *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 28 Feb 1993. Spain: Murcia.
- 4258 [DAT 49] AC Rath (F049). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 6 Nov 1987. Australia: Sorell, Tasmania.
- 4276 [DAT 99] AC Rath (F099) ← H Yip. Soil. 7 Jan 1988. Australia: Weld Pass, Tasmania.
- 4289 [DAT 500] AC Rath (F500). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4305 [DAT 327] AC Rath (F327) ← H Yip (HY31). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4377 LA Lacey (94106). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4378 LA Lacey (94107). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4379 LA Lacey (94108). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4382 LA Lacey (94140) ← CAAS (93.1). [Coleoptera]. 7 May 1994. Location not specified.
- 4462 J McManus (DnBb203PSS#1). *Diuraphis noxia* [Hemiptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4463 J McManus (DnBb203PSS#2). *Diuraphis noxia* [Hemiptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4464 J McManus (DnBb203PSS#3). *Diuraphis noxia* [Hemiptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4523 JD Vandenberg (APH3). [Hemiptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4524 JD Vandenberg (APH6). [Hemiptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4525 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] on broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4526 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4527 JD Vandenberg (DBM2a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4528 JD Vandenberg (DBM2b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4529 JD Vandenberg (DBM3a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4530 JD Vandenberg (DBM3b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4531 JD Vandenberg (DBM4a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

- 4532 JD Vandenberg (DBM4b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4533 JD Vandenberg (DBM5a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4534 JD Vandenberg (DBM5b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4535 JD Vandenberg (DBM6a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4536 JD Vandenberg (DBM6b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4537 JD Vandenberg (DBM8a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4538 JD Vandenberg (DBM8b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4539 JD Vandenberg (DBM10b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4540 J Altre (BB5B#1). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4543 J Altre (BB5B#4). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4589 [DAT 42] AC Rath (F42) ← RJ Milner (F125). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
- 4607 [DAT 41] AC Rath (F041) ← RJ Milner (F117). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 6 Dec 1976. Australia: Ebor, New South Wales.
- 4616 [DAT 84] AC Rath (F084). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4672 [DAT 48] AC Rath (F048). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 30 Sep 1987. Australia: Plenty, Tasmania.
- 4685 [DAT 115] AC Rath (F115). Soil. 14 Jan 1988. Australia: Lockfaine Benham, Avoca, Tasmania.
- 4688 KT Hodge (kth24). [Odonata: suborder Anisoptera]. 31 Aug 1994. USA: Cornell University wildflower garden, Ithaca, New York.
- 4691 J McManus (DnBb30.252.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. Manipulation., Ithaca, New York. Reisolate of ARSEF 252. Passed through RWA.
- 4692 J McManus (DnBb30.320.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 320 passed through RWA.
- 4693 J McManus (DnBb30 and 708.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 708 passed through RWA.
- 4694 J McManus (DnBb25 and 2882.3Pss#1). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2882 passed through RWA.
- 4695 J McManus (DnBb30 and 2883.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2883 passed through RWA.
- 4696 J McManus (DnBb30 and 3385.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 3385 passed through RWA.
- 4697 J McManus (DnBb25 and F-1.3Pss#1). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. An isolate from grasshoppers named F-2 was passed through and reisolated from RWA during a screening assay.
- 4744 [DAT 346] AC Rath (F346) ← H Yip (HY13). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4798 J Brito (7A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.
- 4799 J Brito (14A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.
- 4866 BL Parker (AVRDC-0511B). Soil. 10 Nov 1994. Republic of China: AVRDC Field #92, Taiwan.
- 4973 J McManus (HcBbV64 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. Rec'd 30 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4974 J McManus (HcBbF66.1 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4975 J McManus (HcBbF66.2 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4976 J McManus (DnBbV64.1 2p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4977 J McManus (DnBbV64.2 2p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

- 4978 J McManus (DnBbV64.3 2p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4979 J McManus (DnBbV64.4 2p). Adult, *Diuraphis noxia* [Hemiptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4981 LA Lacey (95036) ← TJ Poprawski. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4982 LA Lacey (95037) ← TJ Poprawski. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4983 LA Lacey (95038) ← TJ Poprawski. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4984 LA Lacey (95039) ← TJ Poprawski. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 5064 LA Lacey (95056). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5066 LA Lacey (95058). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5067 LA Lacey (95059). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5069 LA Lacey (95060). [Hymenoptera: Formicidae]. 12 Oct 1995. France: Port d' Hérault.
- 5071 LA Lacey (95063). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodéve, Hérault.
- 5072 LA Lacey (95064). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.
- 5148 DL Hostetter (T090). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.
- 5150 DL Hostetter (T103). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.
- 5169 S Gouli (GA-81). [Lepidoptera: Tortricidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5170 S Gouli (GA-82). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5171 S Gouli (GA-83). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5172 S Gouli (GA-84). [Araneida: Araneae]. 29 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5173 S Gouli (GA-85). [Araneida: Araneae]. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5195 RA LeBrun. Larva, *Lilioceris lili* [Coleoptera: Chrysomelidae]. Rec'd 20 May 1996. URI.
- 5229 LA Lacey (96007). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5230 LA Lacey (96008). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5231 LA Lacey (96009). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5233 LA Lacey (96011). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5234 LA Lacey (96012). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5235 LA Lacey (96013). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5273 SARL (33) ← SP Wraight (SARL 33) ← APHIS (WFP-361) and LA Lacey (92221). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.
- 5274 SARL (41) ← SP Wraight (Lacey 92221-Bt1) ← L Lacey (92221-Bt1) and SARL (33). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5275 SARL (106) ← SP Wraight (252-Bt-1; SPW-42) ← ARSEF (252). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5276 SARL (107) ← SP Wraight (252 Bt-2; SPW-43) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5277 SARL (108) ← SP Wraight (252-Bt-3; SPW-44) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5278 SARL (110) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5279 SARL (111) ← SP Wraight (252-Bt-3) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5280 SARL (112) ← SP Wraight (252-BT-4) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5281 SARL (122) ← SP Wraight (252-Bt-5) ← ARSEF (252) ← SARL (22). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.

- 5282 SARL (123) ← SP Wraight (252-Bt-6) ← SARL (22) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 1 Apr 1993. Location not specified: Laboratory manipulation.
- 5283 SARL (133) ← SARL (133) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.
- 5284 SARL (134) ← SP Wraight (252-BT-2) ← ARSEF (252). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.
- 5285 SARL (144) ← SP Wraight (252-Bt-x3) ← ARSEF (252). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5286 SARL (155) ← TJ Poprawski ← ARSEF (252). *Lepitotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 9 Aug 1996. Location not specified.
- 5287 SARL (160) ← RI Carruthers, JC Legaspi and TJ Poprawski (9436). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5288 SARL (161) ← RI Carruthers, JC Legaspi and TJ Poprawski (9446). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5289 SARL (162) ← RI Carruthers, JC Legaspi and TJ Poprawski (9432). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5290 SARL (163) ← RI Carruthers, JC Legaspi and TJ Poprawski (9474). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5291 SARL (164) ← RI Carruthers, JC Legaspi and TJ Poprawski (9499). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5292 SARL (165) ← RI Carruthers, JC Legaspi and TJ Poprawski (9494). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5293 SARL (166) ← RI Carruthers, JC Legaspi and TJ Poprawski (9485). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5294 SARL (167) ← RI Carruthers, JC Legaspi and TJ Poprawski (9480). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5295 SARL (168) ← RI Carruthers, JC Legaspi and TJ Poprawski (9429). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5296 SARL (169) ← RI Carruthers, JC Legaspi and TJ Poprawski (9423). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5339 DW Watson (P 89) ← CJ Geden (P 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Powell Farm, Seneca County, New York.
- 5340 DW Watson (L 89) ← CJ Geden (L 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Lockwood Farm, Cayuga County, New York.
- 5341 DW Watson (W 89) ← CJ Geden (W 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Wood Farm, Schuyler County, New York.
- 5342 DW Watson (B 90) ← CJ Geden (B 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Bishop Farm, Cayuga County, New York.
- 5343 DW Watson (D 90) ← CJ Geden (D 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Dann Farm, Tompkins County, New York.
- 5344 DW Watson (H 90) ← CJ Geden (H 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Howland Farm, Tioga County, New York.
- 5345 DW Watson (L 90) ← CJ Geden (L 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Lockwood Farm, Cayuga County, New York.
- 5346 DW Watson (Pow 90) ← CJ Geden (Pow 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Power Farm, Cortland County, New York.
- 5347 DW Watson (W 90) ← CJ Geden (W 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Wood Farm, Schuyler County, New York.
- 5436 TJ Poprawski (TJP901) ← G Mercadier (EBCL 97001). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5437 TJ Poprawski (TJP902) ← G Mercadier (EBCL 97002). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5438 TJ Poprawski (TJP903) ← G Mercadier (EBCL 97003). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5439 TJ Poprawski (TJP904) ← G Mercadier (EBCL 97004). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5440 TJ Poprawski (TJP905) ← G Mercadier (EBCL 97005). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5441 TJ Poprawski (TJP906) ← G Mercadier (EBCL 97027). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.

- 5442 TJ Poprawski (TJP907) ← G Mercadier (EBCL 97028). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5443 TJ Poprawski (TJP908) ← G Mercadier (EBCL 97016). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5444 TJ Poprawski (TJP909) ← G Mercadier (EBCL 97017). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5445 TJ Poprawski (TJP910) ← G Mercadier (EBCL 97018). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5446 TJ Poprawski (TJP911) ← G Mercadier (EBCL 97019). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5447 TJ Poprawski (TJP912) ← G Mercadier (EBCL 97020). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5448 TJ Poprawski (TJP913) ← G Mercadier (EBCL 97021). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5449 TJ Poprawski (TJP914) ← G Mercadier (EBCL 97022). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5450 TJ Poprawski (TJP915) ← G Mercadier (EBCL 97023). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5451 TJ Poprawski (TJP916) ← G Mercadier (EBCL 97024). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5452 TJ Poprawski (TJP917) ← G Mercadier (EBCL 97025). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5453 TJ Poprawski (TJP918) ← G Mercadier (EBCL 97026). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5454 TJ Poprawski (TJP919) ← G Mercadier (EBCL 97011). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5455 TJ Poprawski (TJP920) ← G Mercadier (EBCL 97012). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5456 TJ Poprawski (TJP921) ← G Mercadier (EBCL 97013). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5457 TJ Poprawski (TJP922) ← G Mercadier (EBCL 97014). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5458 TJ Poprawski (TJP923) ← G Mercadier (EBCL 97015). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5459 TJ Poprawski (TJP924) ← G Mercadier (EBCL 97029). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5460 TJ Poprawski (TJP925) ← G Mercadier (EBCL 97030). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5465 TJ Poprawski (TJP930). Overwintering adult, *Galerucella* sp. [Coleoptera: Chrysomelidae]. Rec'd 9 May 1997. USA: USDA-APHIS-PPQ Biocontrol Laboratory, Mission, Texas.
- 5466 TJ Poprawski (TJP931). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 10 cm deep., Larimore, North Dakota.
- 5467 TJ Poprawski (TJP932). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 20 cm deep., Larimore, North Dakota.
- 5477 G Mercadier (EBCL 97006). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5478 G Mercadier (EBCL 97007). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5479 G Mercadier (EBCL 97008). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5480 G Mercadier (EBCL 97009). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5481 G Mercadier (EBCL 97010). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5482 G Mercadier (EBCL 97032). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5483 G Mercadier (EBCL 97033). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5484 G Mercadier (EBCL 97034). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.6, Toumbokri.
- 5485 G Mercadier (EBCL 97036). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5486 G Mercadier (EBCL 97037). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5487 G Mercadier (EBCL 97038). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5488 G Mercadier (EBCL 97039). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5489 G Mercadier (EBCL 97040). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5490 G Mercadier (EBCL 97041). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

- 5492 M Brownbridge (MLC8). *Paraclemensia acerifoliella* [Lepidoptera: Incurvariidae]. Rec'd 16 May 1997. USA: Randolph, Vermont.
- 5493 M Brownbridge (FREY2). *Aphis gossypii* [Hemiptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.
- 5494 M Brownbridge (FREY3). *Aphis gossypii* [Hemiptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.
- 5495 M Brownbridge (EW1). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.
- 5496 M Brownbridge (EW2). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.
- 5500 C López Lastra ← G Dalbello (#6). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. 1993. Argentina: Oliveros, Santa Fe.
- 5501 C López Lastra ← G Dalbello (#7). *Xanthogaleruca luteola* [Coleoptera: Chrysomelidae] on *Ulmus* sp. . 1994. Argentina: La Plata, Buenos Aires.
- 5502 C López Lastra ← G Dalbello (#8). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 12 Jun 1997. Argentina: Oliveros, Santa Fe.
- 5510 I Klingen (TØF 15.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Sep 1996. Norway: Steinkjer, Nord Trøndelag. **RESTRICTED ACCESS:** contact Curator.
- 5533 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5534 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5535 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5536 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5537 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5553 LK Rieske-Kinney. *Odontota dorsalis* [Coleoptera: Chrysomelidae]. Rec'd 14 Oct 1997.
- 5573 N Mihelcic. *Rhyacionia frustrana* [Lepidoptera: Tortricidae]. Rec'd 17 Nov 1997. USA: loblolly pine plantation, Clarke County, Georgia.
- 5623 I Vänninen (SF86-9). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 28 Aug 1986. Finland: Närpiö, Vaasan Lääni.
- 5629 ST Jaronski (ER13). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5630 ST Jaronski (ER14). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5631 ST Jaronski (ER15). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5632 ST Jaronski (ER28). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5633 ST Jaronski (ER36). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5634 ST Jaronski (ER37). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5635 ST Jaronski (ER47). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5636 ST Jaronski (ER50). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5637 ST Jaronski (ER54). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5638 ST Jaronski (ER61). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5639 ST Jaronski (ER65). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5640 ST Jaronski (ER68). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5641 ST Jaronski (ER70). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5642 ST Jaronski (ER82). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5643 ST Jaronski (ER86). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5645 [IITA 184] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 4 Sep 1996. Benin: IITA field, Cotonou, Atlantique.
- 5646 [IITA 185] A Cherry. *Coniesta* sp. [Lepidoptera: Pyralidae]. 12 Sep 1996. Benin: Monkassa, Malanville, Borgou.
- 5647 [IITA 279] A Cherry. *Acigona* sp. [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Massin, Malanville, Borgou.

- 5648 [IITA 295] A Cherry. *Acigona* sp. [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Bussokari, Malanville, Borgou.
- 5649 [IITA 313] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 19 Nov 1996. Benin: Soclogbo, Dassa.
- 5650 [IITA 478] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.
- 5651 [IITA 479] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.
- 5652 [IITA 480] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Benin: IITA field, Cotonou, Atlantique.
- 5653 [IITA 581] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae] from forest soil. 24 Oct 1997. Benin: Bassia-P.
- 5654 [IITA 583] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.
- 5655 [IITA 584] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.
- 5665 BL Parker (SPT-002). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabykly, Narli, Kahraman Maras.
- 5667 BL Parker (SPT-008). Soil. 17 Jan 1998. Turkey: Karabykly, Narli, Kahraman Maras.
- 5670 BL Parker (SPT-019). [Coleoptera: Elateridae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5671 BL Parker (SPT-021). Leaf litter. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5672 BL Parker (SPT-022). [Coleoptera: Adepaga]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5673 BL Parker (SPT-023). Leaf litter. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5674 BL Parker (SPT-032). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5704 JL Hatting (2). *Bombyx mori* [Lepidoptera: Bombycidae]. Nov 1998. South Africa: Bethlehem, Free State.
- 5705 JL Hatting (PPRI 6688). *Diuraphis noxia* [Hemiptera: Aphididae] on *Triticum aestivum*. 4 Sep 1997. South Africa: Langgewens, Western Cape Province.
- 5725 L Erkiñç (Hursit Dagi-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 31 Mar 1998. Turkey: Gaziantep, Gaziantep.
- 5737 ST Jaronski (SP14). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5738 ST Jaronski (SP16). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5740 MCHCA Bernal (BbGC1). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Rec'd Jun 1998. Mexico: Colima.
- 5741 MCHCA Bernal (BbGC2). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.
- 5742 MCHCA Bernal (BbGC5). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.
- 5743 MCHCA Bernal (BbGC8). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.
- 5744 MCHCA Bernal (BbGC9). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.
- 5745 MCHCA Bernal (BbGC11). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Oct 1996. Mexico: Cofradía de la luz, Jalisco.
- 5753 BL Parker (SPT 001). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.
- 5762 BL Parker (SPT 046). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.
- 5767 BL Parker (AT 036). *Adelges tsugae* [Hemiptera: Adelgidae]. 9 May 1997. USA: Gillette Castle State Park, Connecticut.
- 5768 BL Parker (AT 050). *Adelges tsugae* [Hemiptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.
- 5769 BL Parker (AT 052). *Adelges tsugae* [Hemiptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.
- 5770 [ERL 101] S Gouli (AT-086) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 21 Sep 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5796 BL Parker (HWA 289/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 27 May 1997. USA: Forest Park, Massachusetts.
- 5807 B Broadbent (BB001). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, Agriculture and Agri-Food Canada. 22 Jul 1996. Canada: London, Ontario.
- 5808 B Broadbent (BB008). Adult, *Lygus lineolaris* [Hemiptera: Miridae] on *Medicago sativa*. 17 Jun 1998. USA: Ulster County, New York.
- 5813 LS Bauer. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 20 Aug 1998. USA: East Lansing, Michigan.
- 5836 T Steenberg (SSL 6). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from adult *Sitona lineatus* [Coleoptera: Curculionidae].
- 5838 T Steenberg (SSL 25). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from an unidentified mite [Arachnida: Acari].

- 5839 T Steenberg (SSL 27). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Tachyporus* sp. [Coleoptera: Staphylinidae].
- 5840 T Steenberg (SSL 28). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from unidentified curculionid beetle [Coleoptera: Curculionidae].
- 5843 T Steenberg (SSL 55). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated *Anotylus* sp. [Coleoptera: Staphylinidae].
- 5853 T Steenberg (SSL 448). *Sminthurus viridis* [Collembola: Sminthuridae] on white clover. Aug 1995. Denmark: Copenhagen, Tåstrup, Zealand.
- 5857 T Steenberg (SSL 608). Adult, *Ahasverus advena* [Coleoptera: Cucujidae: Silvaninae]. Feb 1997. Denmark: Broiler house, Hesselager, Funen.
- 5861 T Steenberg (SSL 627). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.
- 5862 T Steenberg (SSL 628). Adult, *Haematobia irritans* [Diptera: Muscidae]. Jul 1997. Denmark: Store Vildmose, Jutland.
- 5863 T Steenberg (SSL 631). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.
- 5864 T Steenberg (SSL 633). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Store Vildmose, Jutland.
- 5865 T Steenberg (SSL 634). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Jenslev, Hornsherred, Zealand.
- 5866 T Steenberg (SSL 638). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Jenslev, Hornsherred, Zealand.
- 5886 FE Vega (EBCL 98029). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 5887 FE Vega (EBCL 98031). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 5888 FE Vega (EBCL 98032). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 5956 JL Stimac (UF 434). *Solenopsis invicta* [Hymenoptera: Formicidae]. Feb 1986. Brazil: Mato Grosso.
- 5957 JL Stimac (UF 440). *Solenopsis invicta* [Hymenoptera: Formicidae]. Feb 1986. Brazil: Mato Grosso.
- 5958 JL Stimac (UF 485). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Feb 1987. Brazil: Piracicaba, São Paulo.
- 5960 JL Stimac (UF 555). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.
- 5961 JL Stimac (UF 557). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.
- 5962 JL Stimac (UF 560). *Solenopsis invicta* [Hymenoptera: Formicidae]. May 1987. Brazil: Mato Grosso.
- 5963 JL Stimac (UF 590). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Feb 1987. Brazil: Piracicaba, São Paulo.
- 5964 JL Stimac (UF 608). From nest soil of *Solenopsis* Sep 1987. Brazil: Mato Grosso.
- 5965 JL Stimac (UF 614). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Jul 1987. Brazil: Lavras, Minas Gerais.
- 5966 JL Stimac (UF 876). *Solenopsis quinquecupis* [Hymenoptera: Formicidae]. Jul 1989. Uruguay: Colonia.
- 5967 JL Stimac (UF 893). *Solenopsis invicta* [Hymenoptera: Formicidae]. Mar 1989. Uruguay: Parque Sta Teresa.
- 5968 JL Stimac (UF 900). *Solenopsis quinquecupis* [Hymenoptera: Formicidae]. Mar 1989. Brazil: Rio Grande do Sul.
- 5969 JL Stimac (UF 901). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Mar 1989. Brazil: Rio Grande do Sul.
- 5970 JL Stimac (UF 18A10). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.
- 5971 JL Stimac (UF 19A4). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.
- 5972 JL Stimac (UF 19D2). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.
- 5973 JL Stimac (UF FP112C1). *Solenopsis invicta* [Hymenoptera: Formicidae]. Apr 1989. USA: Gainesville, Florida.
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- 5988 JL Stimac (UF 5873). *Simyra henrici* [Lepidoptera: Noctuidae]. Apr 1995. USA: Lake Apopka, Florida.
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- 6011 BL Parker ← V Gouli (SPT-R-159). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
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- 6027 BL Parker (AT-C-216). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Tree Number 14, Sichuan Province.
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- 6040 BL Parker ← V Gouli (SPT-R-152). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
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- 6042 BL Parker ← V Gouli (SPT-R-158). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6055 BL Parker (SPT-U-250). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6056 BL Parker (SPT-U-251). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
- 6057 BL Parker (SPT-U-253). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: SW of Sazagan, Sazagan.
- 6058 BL Parker (SPT-U-254). Adult, [Coleoptera: Scarabaeidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6059 BL Parker (SPT-U-255). Pupa, [Coleoptera: Carabidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6060 BL Parker (SPT-U-259). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6061 BL Parker (SPT-U-261). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
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- 6063 BL Parker (SPT-U-263). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6064 BL Parker (SPT-U-264). Adult, [Coleoptera: Tenebrionidae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6065 BL Parker (SPT-U-267). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiiia.
- 6066 BL Parker (SPT-U-268). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiiia.
- 6067 BL Parker (SPT-U-269). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiiia.

- 6069 BL Parker (SPT-U-272). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6070 BL Parker (SPT-U-273). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6072 BL Parker (SPT-U-291). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
- 6073 BL Parker (SPT-U-292). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6074 BL Parker (SPT-U-293). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
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- 6077 BL Parker (SPT-U-305). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6078 BL Parker (SPT-U-308). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6079 BL Parker (SPT-U-310). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6083 BL Parker (SPT-U-260). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6086 BL Parker (SPT-2-309/2). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6087 BL Parker (SPT-2-312). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6088 BL Parker (SPT-2-315). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
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- 6091 BL Parker (SPT-2-321/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6092 BL Parker (SPT-U-323). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6093 BL Parker (SPT-U-326). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: Site c, SW of Samarkand, Mirankul region.
- 6095 BL Parker (SPT-U-335). Adult, [Coleoptera: Coccinellidae]. 17 Jan 1999. Uzbekistan: GPS coordinates - N 39°53.843', E 067°41.643'.
- 6096 BL Parker (SPT-U-338). Adult, [Coleoptera: Tenebrionidae]. Jan 1999. Uzbekistan: GPS coordinates - N 39°26.295', E 067°20.041'.
- 6099 BL Parker (SPT-U-354/2). Adult, [Coleoptera: Carabidae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6100 BJ Hicks (A). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.
- 6101 BJ Hicks (B). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.
- 6109 BL Parker (SPT-U-257). Pupa, [Lepidoptera]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.
- 6111 BL Parker (SPT-U-295). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6112 BL Parker (SPT-U-296). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6113 BL Parker (SPT-U-297). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
- 6115 BL Parker (SPT-U-349). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.
- 6147 HK Kaya (2). Pupa, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Jan 1999. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.
- 6148 HK Kaya (5). Pupa, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Jan 1999. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.
- 6149 BL Parker (SPT-3-372). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Feb 1999. Syria: Al Kseabiia.
- 6150 SP Wright (DBM 28° #2 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 28°C. **RESTRICTED ACCESS: contact Curator.**
- 6151 SP Wright (DBM 28° #3 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 28°C. **RESTRICTED ACCESS: contact Curator.**

- 6152 SP Wraight (DBM 31° #1 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 31°C. **RESTRICTED ACCESS:** contact Curator.
- 6153 SP Wraight (DBM 31° #2 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 31°C. **RESTRICTED ACCESS:** contact Curator.
- 6177 BJ Hicks (1). *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.
- 6178 BJ Hicks (2). *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.
- 6182 FE Vega (EBCL 99013). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.
- 6184 FE Vega (EBCL 99018). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 14 Jan 1999. France: Le Calvaire.
- 6186 FE Vega (EBCL 99021). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 10 Dec 1998. France: Chez Moitou.
- 6187 FE Vega (EBCL 99022). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.
- 6189 FE Vega (EBCL 99025). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 22 Feb 1999. France: Arre.
- 6191 FE Vega (EBCL 99028). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: Crèvecoeur.
- 6194 FE Vega (EBCL 99032). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.
- 6195 FE Vega (EBCL 99033). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.
- 6196 FE Vega (EBCL 99034). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.
- 6199 FE Vega (EBCL 99038). *Hedya nubiferana* [Lepidoptera: Tortricidae]. 31 Mar 1999. France: Layrac.
- 6201 FE Vega (EBCL 98027). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6205 FE Vega (EBCL 98041). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 1998. France: Pujaudrau.
- 6208 FE Vega (EBCL 98053). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
- 6209 FE Vega (EBCL 98054). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
- 6216 AE Hajek (5B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.
- 6217 AE Hajek (6B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.
- 6228 [RCEF 0039] Rec'd 24 Aug 1999. Romania.
- 6230 [RCEF 0300] [Orthoptera: Acrididae]. 20 Sep 1997. PR China: Anhui.
- 6231 [RCEF 0306] [Orthoptera]. 7 Jan 1998. PR China: Anhui.
- 6232 [RCEF 0418] [Orthoptera: Acrididae]. 20 Jul 1998. PR China: Anhui.
- 6233 [RCEF 0471] *Lymantria dissoluta* [Lepidoptera: Lymantriidae]. 27 Jan 1999. PR China: Anhui.
- 6234 [RCEF 0498] [Orthoptera: Tettigoniidae]. 27 Nov 1998. PR China: Anhui.
- 6387 TL Dubois (T7 (2) (2)) ← MT Smith. Larva, early instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twig. May 1998. PR China.
- 6390 TL Dubois (HF 2 c 1). Egg, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on *Populus* sp. 8 Aug 1999. PR China: Anhui.
- 6391 TL Dubois (ST 1 # 1 (1)) ← SM Smith ← SA Teale. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twigs of *Acer* sp. 2 Jul 1997. USA: Laboratory colony, SUNY College of Environmental Science and Forestry, Syracuse, New York. Laboratory colony started from host originally obtained from infested maple wood collected in New York, New York, USA 29 April 1997.
- 6393 TL Dubois (VD 12 rep b) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] reared from wood collected in Bayside, NY. Rec'd 22 Dec 1999. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.
- 6404 B Tunali (27). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.
- 6426 B Tunali (28). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey.
- 6444 [ATCC 74250; Mycotech Corporation BB726, GHA] ST Jaronski. Laboratory re-isolation from *Locusta migratoria*. Rec'd 3 Mar 2000. Patented, commercialized strain (Mycotrol?, BotaniGard?). **RESTRICTED ACCESS:** consult Curator.
- 6459 [CIAT 044] D Peck. Adult, *Zulia carbonaria* [Hemiptera: Cercopidae]. 4 Aug 1999. Colombia: Santander de Quilichao, Cauca.
- 6471 SR Grugel. *Dectes texanus* [Coleoptera: Cerambycidae]. 3 Nov 1998. USA: Goodland, Kansas.
- 6478 BL Parker (SPT-KZ-375). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:** contact Curator

- 6483 BL Parker (SPT-KZ-406). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 5 Feb 2000. Kazakhstan: GPS Coordinates N 44°13.034' E 077°41.315'. **RESTRICTED ACCESS:**
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- 6499 BL Parker (SPT-KR-452). Adult, [Coleoptera: Buprestidae] overwintering in soil. 11 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°40.597' E 075°02.855'. **RESTRICTED ACCESS:**
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- 6514 DEN Rangel (Inbioter2). *Brassolis sophorea* [Lepidoptera: Brassolidae]. 26 Feb 1991. Brazil: coconut palm border, Pinheiros, São Paulo, São Paulo.
- 6526 FE Vega (EBCL 99046). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6527 FE Vega (EBCL 99048). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6528 FE Vega (EBCL 99055). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6529 FE Vega (EBCL 99057). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6530 FE Vega (EBCL 99059). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6531 FE Vega (EBCL 99070). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6532 FE Vega (EBCL 99071). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6552 D Chandler (HRI 342.92). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6553 D Chandler (HRI 347.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6555 D Chandler (HRI 365.92). Adult, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6556 D Chandler (HRI 367.93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from woodland soil. Rec'd 13 Jul 2000. United Kingdom.
- 6557 D Chandler (HRI 373.93). Pupa, [Lepidoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6559 D Chandler (HRI 386.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6560 D Chandler (HRI 397.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6563 D Chandler (HRI 405.94). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6564 D Chandler (HRI 407.95). *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6565 D Chandler (HRI 417.96). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6566 D Chandler (HRI 461.99). [Diptera: Sciaridae]. Rec'd 13 Jul 2000. United Kingdom.
- 6567 D Chandler (HRI 462.99). [Diptera: Ephydriidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6568 D Chandler (HRI 465.99). Adult, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6578 SB Krasnoff ← L Allee. Laboratory contaminant. Acc'd 19 Mar 2003. USA: Department of Entomology, Geneva Agricultural Experiment Station, Geneva, New York.
- 6612 JL Hatting (14). Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.
- 6613 JL Hatting (17). Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.
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- 6616 16 Aug 2000.
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- 6620 Acc'd 19 May 2003.
- 6643 [NRRL 22865] KU Devi (4U). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.
- 6644 [NRRL 22866] KU Devi (5U). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Rec'd Nov 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.
- 6646 KU Devi (KB5). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.
- 6647 KU Devi (LOCAL/UAS). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.
- 6648 KU Devi (LOCAL/PIV). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.
- 6650 KU Devi (PIV). *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Visakhapatnam, Andhra Pradesh.
- 6658 JM Sung (EFCC 6197). Acc'd 17 Jul 2003. Republic of Korea.
- 6660 MR McGuire (2-10). *Lygus hesperus* [Hemiptera: Miridae] on *Medicago sativa* L., alfalfa. 21 Nov 2000. USA: Scofield Avenue, 0.75 mile north of Merced on west side of road, Shafter, California.

- 6661 MR McGuire (5-43). *Lygus hesperus* [Hemiptera: Miridae] on *Medicago sativa* L., alfalfa. 21 Nov 2000. USA: NE corner of Scaroni and Burbank, Shafter, California.
- 6669 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Harae, Northern Shoa.
- 6676 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Dedeaa, Northern Shoa.
- 6681 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Berber, Northern Shoa.
- 6686 Larva, [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Tikur Inchhini, Western Shoa.
- 6687 Rec'd 17 Jan 2001. Ethiopia: Arba Minch Road, Bugae.
- 6688 Rec'd 17 Jan 2001. Ethiopia: Dila Road, Mugundo.
- 6689 [Coleoptera: Carabidae]. Rec'd 17 Jan 2001. Ethiopia: Awassa, Sidamo.
- 6690 [Araneida: Araneae]. Rec'd 17 Jan 2001. Ethiopia: Awassa, Sidamo.
- 6692 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Weldiya, Welo.
- 6693 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Debre Markos, Gojam.
- 6695 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Ashengae, Tigray.
- 6696 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Ashengae, Tigray.
- 6697 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Ashengae, Tigray.
- 6721 JM Sung (KECF-6200). [Coleoptera: Cerambycidae]. 25 Oct 2000. Republic of Korea: Mt. Daeyong, Chuncheon, Kangwon-do.
- 6722 JM Sung (KEFC-6240). [Hemiptera: Pentatomidae]. Nov 2000. Republic of Korea: Mt. Hiryang, Jechon.
- 6723 JM Sung (KEFC-6241). [Hemiptera: Coccidae]. 27 Nov 2000. Republic of Korea: Mt. Hiryang, Jechon.
- 6793 G Mercadier (EBCL 00045). *Cephus* sp. [Hymenoptera: Cephidae]. Sep 1999. PR China: Site 1.
- 6794 G Mercadier (EBCL 00046). *Cephus* sp. [Hymenoptera: Cephidae]. Sep 1999. PR China: Site 5.
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- 7470 [CEP 083] C López Lastra. [Coleoptera] on *Eryngium* sp. (Apiaceae). 9 Mar 2004. Argentina: Horco Molle, Tucumán.
- 7471 [CEP 092] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 7 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7519 M Shimazu (F-1209). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7520 M Shimazu (F-1210). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7521 M Shimazu (F-1211). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7525 S Keller (727). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.
- 7526 S Keller (728). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.
- 7533 E Groden (Plate #1). *Myrmica rubra* [Hymenoptera: Formicidae]. 12 Aug 2003. United Kingdom: Kimmeridge, Dorset, England. 50.37.11 N, 02.06.59 W, 133 m elevation.
- 7534 E Groden (Plate #2). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2004. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.
- 7540 BJ Cole (C2). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 956. Summer 2004. USA: Mesa County, Colorado.
- 7541 BJ Cole (C29). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 446. Summer 2004. USA: Mesa County, Colorado.
- 7552 I Klingen (NCRI 66/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7553 I Klingen (NCRI 68/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7554 I Klingen (NCRI 91/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7581 [SRCAMB B-25] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Carabidae] Isolated from synnema of *Cordyceps entomorrhiza*. Aug 2001. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-206.
- 7583 [SRCAMB VL-36] V Likhovidov. [Hemiptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-237.
- 7585 [SRCAMB B-38] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-234.
- 7590 [SRCAMB B-174] V Likhovidov ← BA Borisov. [Hemiptera: Cicadellidae]. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-298.
- 7592 [SRCAMB B-205] V Likhovidov (Vg-19 (3ts)) ← BA Borisov. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Oct 1991. Vietnam: environs, Ho Chi Minh City. Field Collection Number F-64.
- 7593 [SRCAMB B-210] V Likhovidov (24/89) ← BA Borisov. Larva, [Lepidoptera]. 1989. Russian Federation: Irkutsk Region. Field Collection Number F-70.
- 7596 [SRCAMB VL-760] V Likhovidov. *Apis mellifera* [Hymenoptera: Apidae]. 20 Aug 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-210.
- 7758 [IMI 012944] *Hypothenemus hampei* [Coleoptera: Scolytidae]. 1926. Sri Lanka. **RESTRICTED ACCESS:** consult Curator.
- 7763 [IMI 358840] *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom: England. **RESTRICTED ACCESS:** consult Curator.
- 7764 [IMI 386243] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7765 [IMI 386605] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7766 [IMI 386606] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7767 [IMI 386607] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 7768 [IMI 387294] Adult, Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom: farm, Suffolk, England. **RESTRICTED ACCESS:** consult Curator.

- 7769 [IMI 389521] [Coleoptera: Curculionidae] grain weevil. Rec'd 10 Jun 2005. United Kingdom: sweepings at premises no. 01/070802. **RESTRICTED ACCESS:** *consult Curator.*
- 7770 [IMI 388950] *Ovis aries* [Artiodactyla: Bovidae] Isolated from Suffolk sheepskin washing, sheep 193/iN (neck)/dilution plate 10-2. Rec'd 10 Jun 2005. United Kingdom. First animal trial at Veterinary Laboratories Agency, Addlestone (block 235). **RESTRICTED ACCESS:** *consult Curator.*
- 7771 [IMI 173199] *Equus ferus caballus* [Perissodactyla: Equidae] Isolated from nasal swab of a horse. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7772 [IMI 173201] *Equus ferus caballus* [Perissodactyla: Equidae] Isolated from nasal swab of a horse. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7773 [IMI 386368] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7774 [IMI 386367] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7775 [IMI 061345] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator.*
- 7776 [CEP 189] C López Lastra ← A Toledo. Adult, male, *Oliarus dimidiatus* [Hemiptera: Cixiidae] on *Oryza sativa* L., rice crop. 9 Mar 2005. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires.
- 7795 [ATCC 74040] Fermone Corporation (FCI-7744). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd Jul 2005. USA: Rio Grande Valley, Texas. **RESTRICTED ACCESS:** *consult Curator.*
- 7796 [IMI I93-825] Rec'd 18 Jul 2005. **RESTRICTED ACCESS:** *consult Curator.*
- 7813 [CSIRO FI-0001] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: McKemey, Guyra, New South Wales.
- 7853 [CSIRO FI-0210] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Canberra, Australian Capital Territory.
- 7877 [CSIRO FI-0277] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7878 [CSIRO FI-0278] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7889 [CSIRO FI-0293] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7890 [CSIRO FI-0294] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7891 [CSIRO FI-0296] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7940 JABB of the Carolinas Inc. (HF23). *Musca domestica* [Diptera: Muscidae]. 1997. USA: Dairy farm, Bell, Florida. **RESTRICTED ACCESS:** *contact Curator.*
- 7941 JABB of the Carolinas Inc. (NC2). *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. 1988. USA: Turkey grow out houses, Union, West Virginia. **RESTRICTED ACCESS:** *contact Curator.*
- 7947 NV Meyling (KVL 04-48). Isolated from blade of unspecified grass, *Poaceae*. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7948 NV Meyling (KVL 04-50). Isolated from blade of unspecified grass, *Poaceae*. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7949 NV Meyling (KVL 04-52). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7950 NV Meyling (KVL 04-54). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7951 NV Meyling (KVL 04-63). Isolated from leaf of *Urtica dioica* L., stinging nettle. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7952 NV Meyling (KVL 04-69). Isolated from leaf of *Urtica dioica* L., stinging nettle. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7953 NV Meyling (KVL 04-72). Isolated from leaf of *Crataegus monogyna* Jacq., hawthorn. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.
- 7954 NV Meyling (KVL 06-01). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 7955 LA Lacey (1B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 67°06'07" N, 150°05'46" W.
- 7956 LA Lacey (1C). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 67°06'07" N, 150°05'46" W.
- 7957 LA Lacey (2B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.
- 7958 LA Lacey (2C). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.
- 7959 LA Lacey (2D). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.

- 7963 LA Lacey (7). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Mile 400, wooded area, Alaska. 65°30'06" N, 148°45'29" W.
- 7964 LA Lacey (8). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 1 (Wrigley), CRP soil 1-3, Alaska.
- 7965 LA Lacey (8A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 1 (Wrigley), CRP soil 1-3, Alaska.
- 7966 LA Lacey (12A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 2 (Dufenbach), forest soil 13-15, Alaska.
- 7968 LA Lacey (16A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 3 (Green), field soil 25-27, Alaska.
- 7969 LA Lacey. Overwintering larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 7 Mar 2006.
- 7971 BC King (42). Phylum Arthropoda, Class Insecta. 9 Dec 2003. Canada: Pacific Spirit Regional Park, forest, Vancouver, British Columbia. GenBank match - AB079126 (100%) LSU. **RESTRICTED ACCESS:** consult Curator.
- 7972 BC King (52). Adult, [Coleoptera] on forest floor. 28 Aug 2004. Canada: Pacific Spirit Regional Park, forest, Vancouver, British Columbia. GenBank match - AB027381 (100%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 7977 BC King (74). Pupa, Phylum Arthropoda, Class Insecta. Mar 2005. USA: forest, Renton, Washington. GenBank match - AB027381 (100%) LSU. **RESTRICTED ACCESS:** consult Curator.
- 7978 BC King (77). [Coleoptera: Curculionidae] in loose duff near rocky beach. 19 Apr 2005. Canada: Pacific Spirit Regional Park, Wreck Beach, Vancouver, British Columbia. GenBank match - AB027381 (100%) LSU. **RESTRICTED ACCESS:** consult Curator.
- 7983 [CENARGEN CG 425] *Rhammatocerus schistocercoides* [Orthoptera: Acrididae]. Rec'd 29 Mar 2006. Brazil: Campos Novos dos Parecis, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 7984 [ARSEF 8638; CENARGEN CG 883] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 8025 NV Meyling (KVL 03-72). *Liocoris tripustulatus* [Hemiptera: Miridae] from *Urtica dioica* L., stinging nettle habitat type. 25 Jun 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8026 NV Meyling (KVL 03-81). *Stenodema laevigatum* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8027 NV Meyling (KVL 03-85). *Scolopostethus affinis* [Hemiptera: Lygaeidae] from *Urtica dioica* L., stinging nettle habitat type. 31 Jul 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8028 NV Meyling (KVL 03-90). *Anthocoris nemorum* [Hemiptera: Anthocoridae] from *Urtica dioica* L., stinging nettle habitat type. 25 Jun 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8029 NV Meyling (KVL 03-94). *Notostira elongata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8030 NV Meyling (KVL 03-118). *Notostira elongata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8031 NV Meyling (KVL 03-122). *Pegoplatia aestiva* [Diptera: Anthomyiidae]. 31 Jul 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8032 NV Meyling (KVL 03-129). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from field soil. 18 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8033 NV Meyling (KVL 03-136). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8035 NV Meyling (KVL 03-142). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8036 NV Meyling (KVL 03-148). *Leptopterna dolabrata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 10 Jul 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8037 NV Meyling (KVL 04-32). *Rhynchites aequatus* [Coleoptera: Curculionidae] from *Crataegus* sp., hawthorn habitat type. 30 May 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8038 NV Meyling (KVL 04-33). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 8039 NV Meyling (KVL 04-92). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Jul 2004. Greenland: Disko Island. 70° N, 53° W.
- 8040 NV Meyling (KVL 04-93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Jul 2004. Greenland: Disko Island. 70° N, 53° W.
- 8065 [CSIRO FI-0570] *Pterohelaeus darlingensis* [Coleoptera: Tenebrionidae]. 5 Oct 1989. Australia: Jondaryan, Queensland.

- 8066 [CSIRO FI-0571] *Helicoverpa* sp. [Lepidoptera: Noctuidae] on *Medicago sativa* L., lucerne. 24 Jan 1990. Australia: Gatton, Queensland.
- 8076 [CSIRO FI-0697] Rec'd Summer 2006.
- 8077 [CSIRO FI-0701] *Sitona* sp. [Coleoptera: Curculionidae]. 8 Oct 1990. New Zealand: South Island.
- 8078 [CSIRO FI-0703] *Otiiorhynchus sulcatus* [Coleoptera: Curculionidae]. 8 Oct 1990. New Zealand: South Island.
- 8079 [CSIRO FI-0705] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 8 Oct 1990. New Zealand: Christchurch, South Island.
- 8189 LA Castrillo (MI-01). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8190 LA Castrillo (MI-02). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8191 LA Castrillo (MI-03). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8192 LA Castrillo (MI-04). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8193 LA Castrillo (MI-05). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8194 LA Castrillo (MI-06). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8195 LA Castrillo (MI-07). Isolated from soil sample, plot 3. May 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8201 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Aug 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8202 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Aug 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8203 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005.
- 8204 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8205 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.3-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8206 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.3-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8207 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.4-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8208 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.5-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8209 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.5-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8210 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB2.1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8211 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB2.1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator.*
- 8213 S Entz (FM06-2B). *Melanoplus bivittatus* [Orthoptera: Acrididae]. Aug 2006. Canada: 30 km east of Fort Macleod, Alberta.
- 8237 LA Castrillo (CA1). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8238 LA Castrillo (CA6). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8239 LA Castrillo (CD10). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8240 LA Castrillo (CE1). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8241 LA Castrillo (CE10). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.
- 8242 LA Castrillo (FA1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8243 LA Castrillo (FB1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8244 LA Castrillo (FC1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.
- 8245 LA Castrillo (ST1) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8246 LA Castrillo (ST2) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8247 LA Castrillo (ST11) ← M Filotas. Adult, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
- 8253 BC King (Beetle 1). Acc'd 20 Dec 2006.

- 8255 WG Meikle and G Mercadier (EBCL 05005). *Varroa destructor* [Acari: Varroidae]. 28 Jun 2005. France: Qu eribus, Aude.
- 8260 RJ Pereault (bbpci#1). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8261 RJ Pereault (bbpci#2). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8262 RJ Pereault (bbpci#3). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8263 RJ Pereault (bbpci#5). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8271 RJ Pereault (bbsi#11). Isolated from soil sample. Jul 2006. USA: Northport, Michigan.
- 8272 RJ Pereault (bbsi#14). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8273 RJ Pereault (bbsi#17). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8274 RJ Pereault (bbsi#18). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8275 RJ Pereault (bbsi#19). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8276 RJ Pereault (bbsi#20). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8317 N Hudson (NI8). *Lygus lineolaris* [Hemiptera: Miridae] on pigweed. 29 Jul 2002. USA: Washington County, Mississippi. **RESTRICTED ACCESS:** consult Curator.
- 8318 N Hudson (SfBb1). *Spissistilus festinus* [Hemiptera: Membracidae] on *Medicago sativa* L., alfalfa. 12 Jul 2004. USA: Fresno County, California.
- 8339 Z Demirbag (KTU-7). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 17 Jul 2006. Turkey: Yomra, Trabzon.
- 8340 Z Demirbag (KTU-8). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8343 Z Demirbag (KTU-11). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8349 Z Demirbag (KTU-17). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Bor ka, Artvin.
- 8354 Z Demirbag (KTU-22). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Bor ka, Artvin.
- 8355 Z Demirbag (KTU-23). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Hemsin, Rize.
- 8356 Z Demirbag (KTU-24). *Thaumetopoea pityocampa* [Lepidoptera: Thaumetopoeidae]. 11 Dec 2006. Turkey: Samsun Province.
- 8368 [CEP 001; LPSC 881] AV Toledo. Soil of *Zea mays* L., corn crop. 30 May 2003. Argentina: Partido Magdalena, Buenos Aires.
- 8369 [CEP 002; LPSC 882] AV Toledo. Soil of *Zea mays* L., corn crop. 3 Jul 2003. Argentina: Los Hornos, Buenos Aires.
- 8370 [CEP 137; LPSC 891] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 21 Jul 2004. Argentina: Berazategui, Buenos Aires.
- 8371 [CEP 142; LPSC 894] AV Toledo. Adult, *Pawiloma victima* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 25 Aug 2004. Argentina: Berazategui, Buenos Aires.
- 8372 [CEP 147; LPSC 896] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucum n.
- 8373 [CEP 150; LPSC 897] AV Toledo. Adult, *Diabrotica speciosa* [Coleoptera: Chrysomelidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucum n.
- 8374 [CEP 151; LPSC 898] AV Toledo. Adult, *Doru lineare* [Dermaptera: Forficulidae] on *Zea mays* L., maize. Apr 2004. Argentina: El Manantial, Tucum n.
- 8383 LA Castrillo ← SL Annis and E Groden (PA2). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8384 LA Castrillo ← SL Annis and E Groden (PA6). Isolated from soil sample. Summer 2007. USA: Lacourse Farm, Parkman, Maine.
- 8385 LA Castrillo ← SL Annis and E Groden (PA20). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8386 LA Castrillo ← SL Annis and E Groden (PA55). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8387 LA Castrillo ← SL Annis and E Groden (PA138). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8388 LA Castrillo ← SL Annis and E Groden (PA151). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8389 LA Castrillo ← SL Annis and E Groden (PA160). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.
- 8390 LA Castrillo ← SL Annis and E Groden (PI27). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8391 LA Castrillo ← SL Annis and E Groden (PI46). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8392 LA Castrillo ← SL Annis and E Groden (PI62). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.

- 8393 LA Castrillo ← SL Annis and E Groden (PI71). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8394 LA Castrillo ← SL Annis and E Groden (PI94). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.
- 8395 LA Castrillo ← SL Annis and E Groden (DM3). Isolated from soil sample. Summer 2000. USA: Goranson Farm, Dresden Mills, Maine.
- 8396 LA Castrillo ← SL Annis and E Groden (DMA7). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8397 LA Castrillo ← SL Annis and E Groden (DMA11). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8398 LA Castrillo ← SL Annis and E Groden (DMA30). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8399 LA Castrillo ← SL Annis and E Groden (DMA54). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8400 LA Castrillo ← SL Annis and E Groden (DMA57). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8401 LA Castrillo ← SL Annis and E Groden (DMA87). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8402 LA Castrillo ← SL Annis and E Groden (DMA88). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 8403 LA Castrillo ← SL Annis and E Groden (AR6). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8404 LA Castrillo ← SL Annis and E Groden (AR7). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8405 LA Castrillo ← SL Annis and E Groden (AR12). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8406 LA Castrillo ← SL Annis and E Groden (AR16). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8407 LA Castrillo ← SL Annis and E Groden (AR18). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8408 LA Castrillo ← SL Annis and E Groden (AR24). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.
- 8409 RM Barakat (P.Bv1). Isolated from soil sample. Nov 2004. The Palestinian Authority: Jenin.
- 8410 RM Barakat (P.Bv2). Isolated from soil sample. Nov 2004. The Palestinian Authority: Jenin.
- 8412 AE Hajek (Q2k953). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2001. USA: Quarantine colony, Ithaca, New York.
- 8413 AE Hajek (ST2). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 14 Jul 1998. USA: Quarantine colony, Syracuse, New York.
- 8414 AE Hajek (WU50). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.
- 8431 Z Demirbag (KTU-25). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait fom soil. 21 Mar 2007. Turkey: Ünye, Ordu.
- 8444 Z Demirbag (KTU-38). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Ulubey, Ordu.
- 8459 [CEP 069; LPSC 883] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 11 Mar 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 8460 [CEP 111] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 20 Apr 2004. Argentina: Berazategui, Buenos Aires.
- 8461 [CEP 138] AV Toledo. Adult, *Heilipodus erythropus* [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8462 [CEP 148] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8463 [CEP 149] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.
- 8464 [CEP 175; LPSC 900] AV Toledo. Adult, *Cratomorphus diaphanus* [Coleoptera: Lampyridae] on *Eryngium* sp. (Apiaceae). Nov 2004. Argentina: Mercedes, Corrientes.
- 8465 [CEP 249] AV Toledo. Adult, *Doru lineare* [Dermaptera: Forficulidae] on *Zea mays* L., maize. 4 Dec 2006. Argentina: Chacabuco, Buenos Aires.
- 8475 WC Luz (eco 78). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS: consult Curator.**
- 8493 [CSIRO FI-0016] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
- 8494 [CSIRO FI-0018] [Coleoptera: Chrysomelidae: Hispinae]. 13 Feb 1980.
- 8520 [CEP 112] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.
- 8521 [CEP 113] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.
- 8522 [CEP 114] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.

- 8523 [CEP 116] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8524 [CEP 117] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8525 [CEP 118] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8526 [CEP 119] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.
- 8528 [CEP 139; LPSC 892] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8529 [CEP 140; LPSC 893] AV Toledo. Adult, *Balacha melanocephala* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8530 [CEP 141] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.
- 8578 [CSIRO FI-0898] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
- 8579 [CSIRO FI-0899] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
- 8601 DA Sutton (06-270). 55 year-old female, *Homo sapiens* [Primates: Hominidae] Isolated from corneal keratitis. Winter 2006. USA: New Mexico.
- 8602 DA Sutton (07-345). 31 year-old female, *Homo sapiens* [Primates: Hominidae] Isolated from corneal keratitis. 10 Jan 2007. USA: Wisconsin.
- 8635 [CENARGEN CG 1010] I Chapaval Pimentel. Endophyte of *Zea mays* L., corn. Rec'd 18 Sep 2007. Brazil: Paraná. **RESTRICTED ACCESS:** consult Curator.
- 8636 [CENARGEN CG 1011] I Chapaval Pimentel. Endophyte of *Zea mays* L., corn. Rec'd 18 Sep 2007. Brazil: Paraná. **RESTRICTED ACCESS:** consult Curator.
- 8637 [CENARGEN CG 882] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 8638 [ARSEF 7984; CENARGEN CG 883] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 8661 Z Demirbag (KTU-50). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüşhane.
- 8663 Z Demirbag (KTU-52). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüşhane.
- 8664 Z Demirbag (KTU-53). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Erzurum.
- 8666 Z Demirbag (KTU-55). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Askale, Erzurum.
- 8667 Z Demirbag (KTU-56). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8668 Z Demirbag (KTU-57). *Rhynchites baccus* [Coleoptera: Curculionidae]. 7 Jul 2007. Turkey: Gümüşhane.
- 8670 Z Demirbag (KTU-59). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8672 Z Demirbag (KTU-61). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane.
- 8673 Z Demirbag (KTU-62). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.
- 8674 Z Demirbag (KTU-63). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.
- 8694 ST Jaronski (GE007). *Calliptamus italicus* [Orthoptera: Catantopidae]. 21 Jul 2005. Republic of Georgia: Sagarejo, Kakheti.
- 8695 ST Jaronski (GE025). [Orthoptera: Acrididae]. 4 Oct 2005. Republic of Georgia: Tbilisi.
- 8697 ST Jaronski (GE050). *Calliptamus italicus* [Orthoptera: Catantopidae]. 22 Feb 2006. Republic of Georgia: Samuxi.
- 8704 RG Hollingsworth (H1). [Orthoptera]. 9 Apr 2001. USA: Commercial plant nursery, Hilo, Hawai'i.
- 8705 RG Hollingsworth (H2). [Coleoptera: Curculionidae]. 14 Jul 2003. USA: Laboratory colony, U.S. Pacific Basin Agricultural Research Center, Hilo, Hawai'i.
- 8706 RG Hollingsworth (H3). [Hemiptera: Lygaeidae]. 9 Jan 2007. USA: Kalopa Native Forest State Park, Kalopa, Hawaii.
- 8707 RG Hollingsworth (H4). [Diptera]. 3 Jan 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8708 RG Hollingsworth (H5). 3 Jan 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8709 RG Hollingsworth (H6). [Lepidoptera]. 26 Jan 2007. USA: Waiakea Experiment Station, Hilo, Hawai'i.
- 8710 RG Hollingsworth (H9). [Hemiptera: Cicadellidae]. 8 Mar 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8711 RG Hollingsworth (H10). [Hemiptera: Cicadellidae]. Mar 2007. USA: Kalopa Native Forest State Park, Kalopa, Hawaii.

- 8712 RG Hollingsworth (H11). [Diptera]. 8 Mar 2007. USA: Bird Park, Hawai'i Volcanoes National Park, Hawaii.
- 8713 RG Hollingsworth (GHA reference). Rec'd 14 Apr 2008. Internal laboratory GHA reference standard used by Robert G. Hollingsworth, USDA ARS, U.S. Pacific Basin Agriculture Research Center, Post-Harvest Tropical Commodities Research Unit, Hilo, Hawaii. **RESTRICTED ACCESS:** it contact Curator.
- 8751 [CSIRO FI-1144] *Austracris guttulosa* [Orthoptera: Acrididae]. 17 Aug 1995. Australia: Clermont, Queensland.
- 8752 [CSIRO FI-1145] *Austracris guttulosa* [Orthoptera: Acrididae]. 17 Aug 1995. Australia: Clermont, Queensland.
- 8753 [CSIRO FI-1150] *Lophytotoma zonalis* [Hymenoptera: Pergidae]. 17 Aug 1995. Australia: Alstonville, New South Wales.
- 8756 [CSIRO FI-1153] *Phlyctinus callosus* [Coleoptera: Curculionidae]. 20 Nov 1995. Australia: Glasshouse, Knowfield, Victoria.
- 8757 [CSIRO FI-1154] *Phlyctinus callosus* [Coleoptera: Curculionidae]. 20 Nov 1995. Australia: Glasshouse, Knowfield, Victoria.
- 8763 [CSIRO FI-1162] *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. May 1996. Australia: Cooma, New South Wales.
- 8771 LA Castrillo (APMI1) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 25 Jun 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8772 LA Castrillo (APMI2) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 25 Jun 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8773 LA Castrillo (APMI3) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 8 Jul 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8774 LA Castrillo (APMI4) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae]. 19 Jul 2008. USA: Okemos, Michigan. **RESTRICTED ACCESS:** consult Curator.
- 8835 [CSIRO FI-1261] [Coleoptera: Chrysomelidae]. 25 May 1998. Australia: Tasmania.
- 8836 [CSIRO FI-1262] [Coleoptera: Chrysomelidae]. 25 May 1998. Australia: Tasmania.
- 8843 [CSIRO FI-1311] *Opodiphthera eucalypti* [Lepidoptera: Saturniidae]. 10 Mar 1999. Australia: Dorrigo, New South Wales.
- 8846 [CSIRO FI-1315] *Locusta migratoria* [Orthoptera: Acrididae]. 4 May 1999. Australia: Mendooran, New South Wales.
- 8853 [CSIRO FI-1348] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 86. Jun 1999. Australia: Condong, New South Wales.
- 8854 [CSIRO FI-1349] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 120. Jun 1999. Australia: Condong, New South Wales.
- 8889 TA Ugine (NI8) or (TPB3). *Lygus lineolaris* [Hemiptera: Miridae] on *Conyza canadensis* (L.) Cronquist, Canadian horseweed. Jul 2002. USA: Washington County, Mississippi.
- 8891 [CSIRO FI-0079] *Danaus plexippus* [Lepidoptera: Danaidae]. 11 Oct 1984. Australia: Queensland.
- 8929 [CEP 317] CP D'Alessandro and C López Lastra. Isolated from soil sample of *Solanum melongena* L., eggplant crop culture. 25 Jun 2008. Argentina: Abasto, La Plata, Buenos Aires.
- 8932 [ERL 499] S Gouli and BL Parker (SP-403). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2000. Kyrgyz Republic.
- 8933 [ERL 677] M Brownbridge (CA-148) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8934 [ERL 678] M Brownbridge (CA-149) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8935 [ERL 679] M Brownbridge (CA-150) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8936 [ERL 680] M Brownbridge (CA-153) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8937 [ERL 681] M Brownbridge (CA-687) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8938 [ERL 682] M Brownbridge (CA-688) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8939 [ERL 683] M Brownbridge (CA-689) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8940 [ERL 684] M Brownbridge (CA-880) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8958 [ERL 650] M Brownbridge (CA-104) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8959 [ERL 651] M Brownbridge (CA-105) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8960 [ERL 652] M Brownbridge (CA-106) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8961 [ERL 653] M Brownbridge (CA-107) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8962 [ERL 654] M Brownbridge (CA-108) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8963 [ERL 655] M Brownbridge (CA-110) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8964 [ERL 656] M Brownbridge (CA-111) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8965 [ERL 658] M Brownbridge (CA-113) and S Gouli. Isolated from soil sample. 2002. USA: California.

- 8966 [ERL 659] M Brownbridge (CA-114) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8967 [ERL 660] M Brownbridge (CA-117) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8968 [ERL 661] M Brownbridge (CA-118) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8969 [ERL 662] M Brownbridge (CA-119) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8970 [ERL 663] M Brownbridge (CA-120) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8971 [ERL 664] M Brownbridge (CA-121) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8972 [ERL 665] M Brownbridge (CA-122) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8973 [ERL 666] M Brownbridge (CA-123) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8974 [ERL 667] M Brownbridge (CA-124) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8975 [ERL 668] M Brownbridge (CA-139) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8976 [ERL 669] M Brownbridge (CA-140) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8977 [ERL 670] M Brownbridge (CA-141) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8978 [ERL 671] M Brownbridge (CA-142) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8979 [ERL 672] M Brownbridge (CA-143) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8980 [ERL 673] M Brownbridge (CA-144) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8981 [ERL 674] M Brownbridge (CA-145) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8982 [ERL 675] M Brownbridge (CA-146) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 8983 [ERL 676] M Brownbridge (CA-147) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 8990 TA Ugine. Rec'd 8 May 2009. Laboratory isolation. Single spore isolate of patented, commercialized strain (Mycotrol?, BotaniGard?) selected for genomic sequencing.
- 8998 M Pava-Ripoll (Bb UMD-Greenhouse). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 3 Dec 2008. USA: University of Maryland, greenhouse, College Park, Maryland.
- 9178 Rec'd 10 Jun 2009. **RESTRICTED ACCESS:** *consult Curator.*
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- 9184 [CENICAFÉ Bb 9024] M Pava-Ripoll. *Dryocoetes confusus* [Coleoptera: Scolytidae]. Rec'd 1 Jul 2009. Canada.
- 9193 [ERL 779] M Brownbridge (CA-749) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9194 [ERL 780] M Brownbridge (CA-750) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9195 [ERL 781] M Brownbridge (CA-781) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9196 [ERL 782] M Brownbridge (CA-803) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9197 [ERL 783] M Brownbridge (CA-751) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9198 [ERL 784] M Brownbridge (CA-804) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9199 [ERL 785] M Brownbridge (CA-752) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9200 [ERL 787] M Brownbridge (CA-782) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9201 [ERL 788] M Brownbridge (CA-805) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9202 [ERL 789] M Brownbridge (CA-726) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9203 [ERL 790] M Brownbridge (CA-754) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9204 [ERL 791] M Brownbridge (CA-755) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9205 [ERL 792] M Brownbridge (CA-727) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9206 [ERL 793] M Brownbridge (CA-728) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9207 [ERL 794] M Brownbridge (CA-729) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9208 [ERL 795] M Brownbridge (CA-756) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9209 [ERL 796] M Brownbridge (CA-783) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9210 [ERL 797] M Brownbridge (CA-784) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9211 [ERL 798] M Brownbridge (CA-811) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9212 [ERL 799] M Brownbridge (CA-757) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9213 [ERL 800] M Brownbridge (CA-785) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9214 [ERL 802] M Brownbridge (CA-806) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9215 [ERL 803] M Brownbridge (CA-807) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9216 [ERL 804] M Brownbridge (CA-808) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9219 [ERL 654] M Brownbridge (CA-108) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9220 [ERL 657] M Brownbridge (CA-112) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9221 [ERL 801] M Brownbridge (CA-786) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9222 [ERL 805] M Brownbridge (CA-730) and S Gouli. Isolated from soil sample. 2002. USA: California.

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- 9224 [ERL 807] M Brownbridge (CA-759) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9225 [ERL 808] M Brownbridge (CA-787) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9226 [ERL 809] M Brownbridge (CA-788) and S Gouli. Isolated from soil sample. 2002. USA: California.
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- 10425 G Kyei-Poku (L65B). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354254 (ITS).
- 10426 G Kyei-Poku (L68A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354255 (ITS).
- 10427 G Kyei-Poku (L19C). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: London, Ontario. GenBank sequence: GQ354261 (ITS).
- 10428 G Kyei-Poku (L71A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354262 (ITS).
- 10429 G Kyei-Poku (L72B). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354263 (ITS).
- 10430 G Kyei-Poku (L73B). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354264 (ITS).
- 10431 G Kyei-Poku (L76A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354265 (ITS).
- 10432 G Kyei-Poku (S4-C). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 May 2008. Canada: London, Ontario. GenBank sequence: GQ354266 (ITS).
- 10433 G Kyei-Poku (B2C). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354256 (ITS).
- 10434 G Kyei-Poku (B4B). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354257 (ITS).
- 10435 G Kyei-Poku (B12B). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354258 (ITS).
- 10436 G Kyei-Poku (B16C). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354259 (ITS).
- 10437 G Kyei-Poku (B22A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 24 Apr 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354260 (ITS).
- 10438 G Kyei-Poku (W4A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 30 May 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354267 (ITS).
- 10439 G Kyei-Poku (W6A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 May 2008. Canada: Windsor, Ontario. GenBank sequence: GQ354268 (ITS).
- 10440 G Kyei-Poku (LDY20A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444272 (ITS).

- 10441 G Kyei-Poku (LDY24A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario.
- 10442 G Kyei-Poku (LDY25A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario.
- 10443 G Kyei-Poku (LDY32A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444273 (ITS).
- 10444 G Kyei-Poku (LDY37A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario.
- 10445 G Kyei-Poku (LDY42A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 8 Jul 2009. Canada: London, Ontario.
- 10446 G Kyei-Poku (LHY1A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10447 G Kyei-Poku (LHY03A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10448 G Kyei-Poku (LHY4A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10449 G Kyei-Poku (LHY07A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444274 (ITS).
- 10450 G Kyei-Poku (LHY8A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10451 G Kyei-Poku (LHY10A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444275 (ITS).
- 10452 G Kyei-Poku (LHY11A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10453 G Kyei-Poku (LHY12A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10454 G Kyei-Poku (LHY13A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10455 G Kyei-Poku (LHY14A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10456 G Kyei-Poku (LHY15A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10457 G Kyei-Poku (LHY16A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444276 (ITS).
- 10458 G Kyei-Poku (LHY17A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444277 (ITS).
- 10459 G Kyei-Poku (LHY18A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10460 G Kyei-Poku (LHY19A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444278 (ITS).
- 10461 G Kyei-Poku (LHY21A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10462 G Kyei-Poku (LHY22A). Pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444279 (ITS).
- 10463 G Kyei-Poku (LHY44A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10464 G Kyei-Poku (LHY47A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario.
- 10465 G Kyei-Poku (LHY48A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444280 (ITS).
- 10466 G Kyei-Poku (LHY49A). Gallery/frass, *Agrilus planipennis* [Coleoptera: Buprestidae]. 7 Jul 2009. Canada: London, Ontario. GenBank sequence: HQ444281 (ITS).
- 10467 G Kyei-Poku (SY07A). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 9 Jul 2009. Canada: Sarnia, Ontario.
- 10468 G Kyei-Poku (SY16A). Adult, *Agrilus planipennis* [Coleoptera: Buprestidae]. 9 Jul 2009. Canada: Sarnia, Ontario.
- 10471 MB Bondera. *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 2010. USA: Kanalani Ohana Farm, Honaunau, Hawaii. 1600 ft elevation.
- 10478 DW Roberts (DWR 306). Isolated from soil sample SS 0286. 30 May 2006. USA: Coronado National Forest, Cochise County, Arizona. N 31 34.091, W 110 33.364.
- 10479 DW Roberts (DWR 359). Isolated from soil sample SS 0767. 31 Jul 2007. USA: south of Watford City, McKenzie County, North Dakota. N 47 12.720, W 103 13.889.
- 10481 DW Roberts (DWR 361). Isolated from soil sample SS 1028. 20 Aug 2007. USA: Gila County, Arizona. N 33 26.605, W 110 48.985.
- 10482 DW Roberts (DWR 362). Isolated from soil sample SS 1071. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48 54.539, W 100 59.819.

- 10483 DW Roberts (DWR 363). Isolated from soil sample SS 1076. 3 Aug 2007. USA: Lincoln County, Nebraska. N 40.54.293, W 100.29.507.
- 10484 DW Roberts (DWR 370). Isolated from soil sample SS 1086. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.8735, W 101.3013.
- 10485 DW Roberts (DWR 371). Isolated from soil sample SS 1079. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9663, W 100.67.
- 10486 DW Roberts (DWR 372). Isolated from soil sample SS 1110. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.611, W 100.4946.
- 10487 DW Roberts (DWR 373). Isolated from soil sample SS 1093. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5478, W 100.6723.
- 10488 DW Roberts (DWR 374). Isolated from soil sample SS 1062. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.2784, W 100.777.
- 10489 DW Roberts (DWR 375). Isolated from soil sample SS 1063. 2 Aug 2007. USA: Renville County, North Dakota. N 48.4681, W 101.1246.
- 10490 DW Roberts (DWR 394). Isolated from soil sample SS 0644. Summer 2007. USA: Dewey County, South Dakota. N 45.1538, W 100.38865.
- 10491 DW Roberts (DWR 395). Isolated from soil sample SS 0652. Summer 2007. USA: Dewey County, South Dakota. N 44.971698, W 100.51904.
- 10493 DW Roberts (DWR 397). Isolated from soil sample SS 0628. Summer 2007. USA: Dewey County, South Dakota. N 45.153751, W 100.3886.
- 10494 DW Roberts (DWR 398). Isolated from soil sample SS 0638. Summer 2007. USA: Corson County, South Dakota. N 45.51607, W 100.56664.
- 10495 DW Roberts (DWR 399). Isolated from soil sample SS 0629. Summer 2007. USA: Dewey County, South Dakota. N 44.949862, W 100.65178.
- 10496 DW Roberts (DWR 400). Isolated from soil sample SS 0678. Summer 2007. USA: Billings County, North Dakota. N 46.86831, W 103.4688.
- 10497 DW Roberts (DWR 401). Isolated from soil sample SS 0684. 6 Aug 2007. USA: Morton County, North Dakota. N 46.4003, W 101.04416.
- 10498 DW Roberts (DWR 402). Isolated from soil sample SS 0690. Summer 2007. USA: Billings County, North Dakota. N 46.77253, W 103.45627.
- 10500 DW Roberts (DWR 404). Isolated from soil sample SS 0767. 31 Jul 2007. USA: Billings County, North Dakota. N 47.21201, W 103.23149.
- 10501 DW Roberts (DWR 405). Isolated from soil sample SS 0632. Summer 2007. USA: Dewey County, South Dakota. N 45.320386, W 100.44231.
- 10502 DW Roberts (DWR 406). Isolated from soil sample SS 0635. Summer 2007. USA: Dewey County, South Dakota. N 44.863441, W 101.0561.
- 10503 DW Roberts (DWR 407). Isolated from soil sample SS 0796. 31 Jul 2007. USA: Billings County, North Dakota. N 47.109542, W 103.66511.
- 10504 DW Roberts (DWR 408). Isolated from soil sample SS 0765. 2 Aug 2007. USA: Billings County, North Dakota. N 47.07659, W 103.39664.
- 10505 DW Roberts (DWR 409). Isolated from soil sample SS 0494. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41.46.243, W 111.45.517.
- 10506 DW Roberts (DWR 410). Isolated from soil sample SS 0491. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41.46.243, W 111.45.517.
- 10507 DW Roberts (DWR 411). Isolated from soil sample SS 0488. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41.46.243, W 111.45.517.
- 10508 DW Roberts (DWR 412). Isolated from soil sample SS 0670. 30 Jul 2007. USA: Billings County, North Dakota. N 47.051717, W 103.60519.
- 10509 DW Roberts (DWR 413). Isolated from soil sample SS 0478. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41.46.193, W 111.45.981.
- 10510 DW Roberts (DWR 414). Isolated from soil sample SS 0486. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41.46.243, W 111.45.517.
- 10511 DW Roberts (DWR 415). Isolated from soil sample SS 0865. Summer 2007. USA: Billings County, North Dakota. N 47.268897, W 103.24202.
- 10512 DW Roberts (DWR 416). Isolated from soil sample SS 0910. 9 Aug 2007. USA: Morton County, North Dakota. N 46.67807, W 101.51465.
- 10513 DW Roberts (DWR 417). Isolated from soil sample SS 0720. Summer 2007. USA: Billings County, North Dakota. N 46.75988, W 103.57521.
- 10514 DW Roberts (DWR 418). Isolated from soil sample SS 0768. 7 Aug 2007. USA: Morton County, North Dakota. N 46.77477, W 101.15229.
- 10515 DW Roberts (DWR 419). Isolated from soil sample SS 0492. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41.46.243, W 111.45.517.
- 10516 DW Roberts (DWR 420). Isolated from soil sample SS 0485. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41.46.216, W 111.45.585.
- 10517 DW Roberts (DWR 421). Isolated from soil sample SS 0769. Summer 2007. USA: Billings County, North Dakota. N 46.66139, W 103.47018.
- 10518 DW Roberts (DWR 422). Isolated from soil sample SS 0962. 6 Aug 2007. USA: Perkins County, South Dakota. N 45.177358, W 102.03125.
- 10519 DW Roberts (DWR 423). Isolated from soil sample SS 0823. 6 Aug 2007. USA: McKenzie County, North Dakota. N 47.797762, W 103.98194.
- 10520 DW Roberts (DWR 424). Isolated from soil sample SS 0819. Summer 2007. USA: McKenzie County, North Dakota. N 47.545125, W 103.59352.

- 10521 DW Roberts (DWR 425). Isolated from soil sample SS 0812. Summer 2007. USA: Golden Valley County, North Dakota. N 47.265883, W 103.77746.
- 10522 DW Roberts (DWR 426). Isolated from soil sample SS 0944. 7 Aug 2007. USA: Corson County, South Dakota. N 45.891121, W 101.5352.
- 10523 DW Roberts (DWR 427). Isolated from soil sample SS 0900. Summer 2007. USA: McKenzie County, North Dakota. N 47.348497, W 103.59604.
- 10524 DW Roberts (DWR 428). Isolated from soil sample SS 0878. Summer 2007. USA: McKenzie County, North Dakota. N 47.63086, W 103.15056.
- 10525 DW Roberts (DWR 429). Isolated from soil sample SS 0869. Summer 2007. USA: McKenzie County, North Dakota. N 47.612516, W 103.28023.
- 10526 DW Roberts (DWR 430). Isolated from soil sample SS 0945. 7 Aug 2007. USA: Corson County, South Dakota. N 45.589481, W 100.61039.
- 10527 DW Roberts (DWR 431). Isolated from soil sample SS 0915. Summer 2007. USA: Billings County, North Dakota. N 47.03767, W 103.1193.
- 10528 DW Roberts (DWR 432). Isolated from soil sample SS 0885. 8 Aug 2007. USA: McKenzie County, North Dakota. N 47.350443, W 103.15377.
- 10529 DW Roberts (DWR 433). Isolated from soil sample SS 0693. 31 Jul 2007. USA: Bowman County, North Dakota. N 46.15062, W 103.3289.
- 10530 DW Roberts (DWR 434). Isolated from soil sample SS 0712. 31 Jul 2007. USA: Billings County, North Dakota. N 47.31271, W 103.48337.
- 10531 DW Roberts (DWR 435). Isolated from soil sample SS 1154. 28 Sep 2007. USA: Gila County, Arizona. N 33.02332, W 110.73669.
- 10532 DW Roberts (DWR 436). Isolated from soil sample SS 1005. 7 Aug 2007. USA: Perkins County, South Dakota. N 45.877845, W 102.5491.
- 10533 DW Roberts (DWR 437). Isolated from soil sample SS 1189. 28 Sep 2007. USA: Yavapai County, Arizona. N 34.59204, W 112.60103.
- 10534 DW Roberts (DWR 438). Isolated from soil sample SS 1184. 28 Sep 2007. USA: Yavapai County, Arizona. N 34.58035, W 112.61473.
- 10535 DW Roberts (DWR 439). Isolated from soil sample SS 1163. 28 Sep 2007. USA: Bear Flat Road, Gila County, Arizona. N 34.287, W 111.06986.
- 10536 DW Roberts (DWR 440). Isolated from soil sample SS 1096. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.966, W 100.901.
- 10537 DW Roberts (DWR 441). Isolated from soil sample SS 1074. Summer 2007. USA: McHenry County, North Dakota. N 48.589, W 100.6579.
- 10538 DW Roberts (DWR 442). Isolated from soil sample SS 1067. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.3978, W 100.4794.
- 10539 DW Roberts (DWR 443). Isolated from soil sample SS 1118. 4 Sep 2007. USA: Coconino County, Arizona. N 35.0582, W 111.71911.
- 10540 DW Roberts (DWR 444). Isolated from soil sample SS 1181. 28 Sep 2007. USA: Yavapai County, Arizona. N 34.57351, W 112.62223.
- 10541 DW Roberts (DWR 445). Isolated from soil sample SS 1161. 21 Sep 2007. USA: Gila County, Arizona. N 34.28073, W 111.13291.
- 10542 DW Roberts (DWR 466). Isolated from soil sample SS 1092. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.82966, W 100.59928.
- 10543 DW Roberts (DWR 467). Isolated from soil sample SS 0778. 30 Jul 2007. USA: McKenzie County, North Dakota. N 47.500573, W 103.4193.
- 10544 DW Roberts (DWR 468). Isolated from soil sample SS 0547. Summer 2007. USA: Yavapai County, Arizona. N 35.385905, W 112.99277.
- 10545 DW Roberts (DWR 469). Isolated from soil sample SS 0593. Summer 2007. USA: Navajo County, Arizona. N 35.625871, W 110.48035.
- 10546 DW Roberts (DWR 474). Isolated from soil sample SS 0826. 7 Aug 2007. USA: McKenzie County, North Dakota. N 47.44546, W 103.69581.
- 10548 DW Roberts (DWR 476). Isolated from soil sample SS 0930. 6 Aug 2007. USA: Corson County, South Dakota. N 45.486297, W 100.59808.
- 10549 DW Roberts (DWR 477). Isolated from soil sample SS 0879. Summer 2007. USA: McKenzie County, North Dakota. N 47.583275, W 103.2732.
- 10550 DW Roberts (DWR 481). Isolated from soil sample SS 1274. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.131, W 111 49.369.
- 10551 DW Roberts (DWR 482). Isolated from soil sample SS 1277. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.126, W 111 49.341.
- 10552 DW Roberts (DWR 483). Isolated from soil sample SS 1278. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.124, W 111 49.362.
- 10553 DW Roberts (DWR 486). Isolated from soil sample SS 1295. 2 Jul 2008. USA: Logan Field, Logan, Utah. N 42 00.604, W 113 18.650.
- 10554 DW Roberts (DWR 487). Isolated from soil sample SS 1224. 14 Mar 2008. USA: Diamond Mountain, Vernal, Utah. N 40 35.080, W 109 20.387.
- 10555 DW Roberts (DWR 488). Isolated from soil sample SS 1275. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.117, W 111 49.361.
- 10556 DW Roberts (DWR 489). Isolated from soil sample SS 1298. 2 Jul 2008. USA: Logan Field, Logan, Utah. N 41 57.562, W 111 48.951.
- 10557 DW Roberts (DWR 490). Isolated from soil sample SS 1301. 2 Jul 2008. USA: Logan Field, Logan, Utah. N 42 06.412, W 112 03.100.

- 10558 DW Roberts (DWR 491). Isolated from soil sample SS 1302. 2 Jul 2008. USA: Logan Field, Logan, Utah. N 41.56.358, W 113.28.221.
- 10559 DW Roberts (DWR 492). Isolated from soil sample SS 1217. 14 Mar 2008. USA: Diamond Mountain, Vernal, Utah. N 40.34.739, W 109.28.564.
- 10560 DW Roberts (DWR 493). Isolated from soil sample SS 1185. 28 Sep 2008. USA: Yavapai County, Arizona. N 34.57777, W 112.61894.
- 10561 DW Roberts (DWR 494). Isolated from soil sample SS 0811. 31 Jul 2008. USA: McKenzie County, North Dakota. N 47.460398, W 104.04025.
- 10562 DW Roberts (DWR 495). Isolated from soil sample SS 1220. 14 Mar 2008. USA: Diamond Mountain, Vernal, Utah. N 40.35.080, W 109.20.387.
- 10563 DW Roberts (DWR 496). Isolated from soil sample SS 1262. 14 Mar 2008. USA: Diamond Mountain, Vernal, Utah. N 40.09.941, W 110.21.629.
- 10564 DW Roberts (DWR 506). Isolated from soil sample SS 1341. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 10565 DW Roberts (DWR 511). Isolated from soil sample SS 1378. 8 Aug 2008. USA: Loup County, Nebraska.
- 10566 DW Roberts (DWR 527). Isolated from soil sample SS 1317. 16 Jul 2008. USA: Whitman County, Washington. N 46.721226, W 117.46482.
- 10567 DW Roberts (DWR 528). Isolated from soil sample SS 1399. 8 Aug 2008. USA: Blaine County, Nebraska.
- 10568 DW Roberts (DWR 530). Isolated from soil sample SS 2242. 4 Jun 2008. USA: Woods County, Oklahoma. N 36.972388, W 99.316288.
- 10569 DW Roberts (DWR 531). Isolated from soil sample SS 2271. 2 Jun 2008. USA: Jefferson County, Oklahoma. N 34.245708, W 97.956513.
- 10570 DW Roberts (DWR 532). Isolated from soil sample SS 2353. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10571 DW Roberts (DWR 533). Isolated from soil sample SS 2360. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10572 DW Roberts (DWR 536). Isolated from soil sample SS 1307. Jul 2008. USA: Asotin County, Washington. N 46.191245, W 116.99948.
- 10573 DW Roberts (DWR 537). Isolated from soil sample SS 1357. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 10574 DW Roberts (DWR 538). Isolated from soil sample SS 1425. 8 Aug 2008. USA: Brown County, Nebraska.
- 10576 DW Roberts (DWR 540). Isolated from soil sample SS 3358. 24 Jul 2008. USA: Oregon.
- 10577 DW Roberts (DWR 548). Isolated from soil sample SS 3541. 28 May 2008. USA: Kit Carson County, Colorado. N 39.31545, W 102.70588.
- 10578 DW Roberts (DWR 549). Isolated from soil sample SS 4262. 20 Aug 2008. USA: Deuel County, Nebraska. N 41.03371, W 102.6024.
- 10579 DW Roberts (DWR 551). Isolated from soil sample SS 2283. 5 Jun 2008. USA: Ellis County, Oklahoma. N 36.435105, W 99.964403.
- 10580 DW Roberts (DWR 552). Isolated from soil sample SS 2359. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10581 DW Roberts (DWR 553). Isolated from soil sample SS 2273. 3 Jun 2008. USA: Caddo County, Oklahoma. N 34.898023, W 98.550442.
- 10582 DW Roberts (DWR 554). Isolated from soil sample SS 4440. 21 May 2008. USA: Dickens County, Texas. N 33.39828, W 100.91329.
- 10583 DW Roberts (DWR 555). Isolated from soil sample SS 1431. 9 Aug 2008. USA: Rock County, Nebraska.
- 10584 DW Roberts (DWR 556). Isolated from soil sample SS 2259. 3 Jun 2008. USA: Kiowa County, Oklahoma. N 34.725266, W 98.852702.
- 10585 DW Roberts (DWR 557). Isolated from soil sample SS 2260. 3 Jun 2008. USA: Greer County, Oklahoma. N 34.871935, W 99.695897.
- 10586 DW Roberts (DWR 558). Isolated from soil sample SS 4322. 5 Jun 2008. USA: Golden Valley County, North Dakota. N 47.088252, W 103.79332.
- 10587 DW Roberts (DWR 559). Isolated from soil sample SS 2231. 5 Jun 2008. USA: Harper County, Oklahoma. N 36.773521, W 99.365385.
- 10588 DW Roberts (DWR 560). Isolated from soil sample SS 2346. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10589 DW Roberts (DWR 561). Isolated from soil sample SS 2347. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10590 DW Roberts (DWR 562). Isolated from soil sample SS 2311. 22 Aug 2008. USA: Graham County, Arizona. N 33.40081, W 109.69847.
- 10591 DW Roberts (DWR 563). Isolated from soil sample SS 2357. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10592 DW Roberts (DWR 564). Isolated from soil sample SS 2351. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10593 DW Roberts (DWR 565). Isolated from soil sample SS 2356. 22 Aug 2008. USA: Graham County, Arizona. N 33.47901, W 109.70635.
- 10595 DW Roberts (DWR 567). Isolated from soil sample SS 3427. 5 Aug 2008. USA: San Bernardino County, California. N 34.30251, W 117.46284.
- 10596 DW Roberts (DWR 568). Isolated from soil sample SS 3507. 30 May 2008. USA: Washington County, Colorado. N 40.002138, W 103.13264.
- 10597 DW Roberts (DWR 569). Isolated from soil sample SS 3551. 2 Jun 2008. USA: Washington County, Colorado. N 40.221332, W 103.15367.

- 10599 DW Roberts (DWR 571). Isolated from soil sample SS 4263. 20 Aug 2008. USA: Keith County, Nebraska. N 41.09111, W 102.00802.
- 10600 DW Roberts (DWR 583). Isolated from soil sample SS 4349. 4 Jun 2008. USA: Billings County, North Dakota. N 47.240635, W 103.34748.
- 10601 DW Roberts (DWR 584). Isolated from soil sample SS 4356. 4 Jun 2008. USA: Billings County, North Dakota. N 47.088885, W 103.53817.
- 10602 DW Roberts (DWR 585). Isolated from soil sample SS 4429. 13 May 2008. USA: Knox County, Texas. N 33.53484, W 99.89712.
- 10603 DW Roberts (DWR 586). Isolated from soil sample SS 1584. 13 Aug 2008. USA: Grant County, Nebraska. N 41.945652, W 101.71662.
- 10604 DW Roberts (DWR 606). Isolated from soil sample SS 2434. 22 Aug 2008. USA: Graham County, Arizona. N 33.42539, W 109.71923.
- 10605 DW Roberts (DWR 607). Isolated from soil sample SS 3224. 14 Aug 2008. USA: Custer County, Nebraska. N 41.1947, W 99.3728.
- 10606 DW Roberts (DWR 608). Isolated from soil sample SS 3233. 14 Aug 2008. USA: Phelps County, Nebraska. N 40.5981, W 99.2551.
- 10607 DW Roberts (DWR 609). Isolated from soil sample SS 3243. 11 Aug 2008. USA: Harlan County, Nebraska. N 40.3289, W 99.53.
- 10609 DW Roberts (DWR 611). Isolated from soil sample SS 5200. 17 Jun 2008. USA: Mellette County, South Dakota. N 43.6647, W 101.02039.
- 10610 DW Roberts (DWR 612). Isolated from soil sample SS 3333. 30 Jul 2008. USA: Texas.
- 10611 DW Roberts (DWR 613). Isolated from soil sample SS 3393. 6 Aug 2008. USA: Oregon.
- 10612 DW Roberts (DWR 614). Isolated from soil sample SS 2210. 5 Jun 2008. USA: Woodward County, Oklahoma. N 36.432163, W 99.072727.
- 10613 DW Roberts (DWR 615). Isolated from soil sample SS 3535. 28 May 2008. USA: Kit Carson County, Colorado. N 39.09027, W 102.70717.
- 10614 DW Roberts (DWR 616). Isolated from soil sample SS 2439. 22 Aug 2008. USA: Graham County, Arizona. N 33.42539, W 109.71923.
- 10615 DW Roberts (DWR 617). Isolated from soil sample SS 2443. 22 Aug 2008. USA: Graham County, Arizona. N 33.42539, W 109.71923.
- 10617 DW Roberts (DWR 622). Isolated from soil sample SS 3475. 14 Aug 2008. USA: San Luis Obispo, California. N 35.05143, W 120.45499.
- 10619 DW Roberts (DWR 624). Isolated from soil sample SS 3559. 3 Jun 2008. USA: Logan County, Colorado. N 40.509203, W 103.1312.
- 10620 DW Roberts (DWR 625). Isolated from soil sample SS 3565. 3 Jun 2008. USA: Logan County, Colorado. N 40.66237, W 102.95299.
- 10621 DW Roberts (DWR 626). Isolated from soil sample SS 3575. 10 Jun 2008. USA: Sedgwick County, Colorado. N 40.982538, W 102.32679.
- 10622 DW Roberts (DWR 627). Isolated from soil sample SS 3600. 9 Jun 2008. USA: Weld County, Colorado. N 40.854736, W 103.9778.
- 10624 DW Roberts (DWR 629). Isolated from soil sample SS 4456. 16 May 2008. USA: Haskell County, Texas. N 33.13072, W 99.89614.
- 10625 DW Roberts (DWR 630). Isolated from soil sample SS 4211. 9 Jul 2008. USA: Sherman County, Oregon. N 45.58028, W 120.44935.
- 10626 DW Roberts (DWR 631). Isolated from soil sample SS 4811. 12 Aug 2008. USA: Fremont County, Wyoming. N 42.366661, W 108.90036.
- 10627 DW Roberts (DWR 644). Isolated from soil sample SS 3528. 27 May 2008. USA: Kit Carson County, Colorado. N 39.18283, W 102.5771.
- 10629 DW Roberts (DWR 646). Isolated from soil sample SS 1634. 14 Aug 2008. USA: Valley County, Nebraska. N 41.4664, W 98.9051.
- 10631 DW Roberts (DWR 648). Isolated from soil sample SS 5170. 11 Jul 2008. USA: Scotts Bluff County, Nebraska. N 41.992725, W 103.63868.
- 10632 DW Roberts (DWR 649). Isolated from soil sample SS 3375. 6 Aug 2008. USA: Grant County, Oregon.
- 10633 DW Roberts (DWR 650). Isolated from soil sample SS 3191. 13 Aug 2008. USA: Stevens County, Washington. N 48.4423, W 118.1705.
- 10636 DW Roberts (DWR 653). Isolated from soil sample SS 1309. Jul 2008. USA: Asotin County, Washington. N 46.109803, W 116.95416.
- 10637 DW Roberts (DWR 654). Isolated from soil sample SS 1547. 16 Jun 2008. USA: Adams County, Washington. N 46.88363, W 119.30783.
- 10638 DW Roberts (DWR 661). Isolated from soil sample SS 5232. 19 Jun 2008. USA: Brule County, South Dakota. N 43.6777, W 98.8937.
- 10639 DW Roberts (DWR 662). Isolated from soil sample SS 3235. 5 Aug 2008. USA: Phelps County, Nebraska. N 40.3653, W 99.3915.
- 10640 DW Roberts (DWR 663). Isolated from soil sample SS 5239. 19 Jun 2008. USA: Brule County, South Dakota. N 43.80289, W 99.064.
- 10641 DW Roberts (DWR 664). Isolated from soil sample SS 2569. 26 Aug 2008. USA: Empire Ranch Road, Pima County, Arizona. N 31.792555, W 110.6357.
- 10642 DW Roberts (DWR 665). Isolated from soil sample SS 3185. 13 Aug 2008. USA: Franklin County, Washington. N 46.320092, W 118.85859.
- 10643 DW Roberts (DWR 666). Isolated from soil sample SS 3194. 13 Aug 2008. USA: Stevens County, Washington. N 48.2977, W 117.9301.
- 10645 DW Roberts (DWR 668). Isolated from soil sample SS 4099. 25 Jun 2008. USA: Logan County, Colorado. N 40.863965, W 102.9999.

- 10647 DW Roberts (DWR 672). Isolated from soil sample SS 3662. 10 Jun 2008. USA: Lincoln County, Colorado. N 39.33001, W 103.45406.
- 10649 DW Roberts (DWR 674). Isolated from soil sample SS 7909. 11 Aug 2008. USA: Phillips County, Montana.
- 10651 DW Roberts (DWR 676). Isolated from soil sample SS 3707. 23 Jun 2008. USA: Adams County, Colorado. N 39.95864, N 103.74349.
- 10652 DW Roberts (DWR 677). Isolated from soil sample SS 3704. 23 Jun 2008. USA: Adams County, Colorado. N 39.8402, W 103.99891.
- 10653 DW Roberts (DWR 678). Isolated from soil sample SS 3689. 17 Jun 2008. USA: Arapahoe County, Colorado. N 39.72609, W 103.92677.
- 10654 DW Roberts (DWR 679). Isolated from soil sample SS 5258. 11 Jun 2008. USA: Tripp County, South Dakota. N 43.260825, W 100.18606.
- 10655 DW Roberts (DWR 680). Isolated from soil sample SS 7940. 5 Aug 2008. USA: Big Horn County, Montana. N 45.1864, W 107.5797.
- 10656 DW Roberts (DWR 681). Isolated from soil sample SS 7934. 4 Aug 2008. USA: Big Horn County, Montana. N 45.3669, W 107.6502.
- 10657 DW Roberts (DWR 682). Isolated from soil sample SS 3671. 10 Jun 2008. USA: Lincoln County, Colorado. N 39.49259, W 103.67785.
- 10659 DW Roberts (DWR 684). Isolated from soil sample SS 3843. 3 Jun 2008. USA: Lincoln County, Colorado. N 39.44469, W 103.26635.
- 10660 DW Roberts (DWR 685). Isolated from soil sample SS 3771. 29 May 2008. USA: Washington County, Colorado. N 39.815655, W 102.89567.
- 10661 DW Roberts (DWR 686). Isolated from soil sample SS 3812. 10 Jul 2008. USA: Larimer County, Colorado. N 40.795716, W 104.97994.
- 10662 DW Roberts (DWR 687). Isolated from soil sample SS 3830. 2 Jun 2008. USA: Lincoln County, Colorado. N 39.19777, W 103.26757.
- 10663 DW Roberts (DWR 688). Isolated from soil sample SS 3809. 10 Jul 2008. USA: Larimer County, Colorado. N 40.70863, W 105.1732.
- 10664 DW Roberts (DWR 689). Isolated from soil sample SS 3491. 12 Aug 2008. USA: Mariposa County, California. N 37.48857, W 120.04285.
- 10665 DW Roberts (DWR 690). Isolated from soil sample SS 3759. 26 May 2008. USA: Washington County, Colorado. N 39.709793, W 103.40692.
- 10666 DW Roberts (DWR 691). Isolated from soil sample SS 4112. 26 Jun 2008. USA: Morgan County, Colorado. N 40.23085, W 103.70207.
- 10669 DW Roberts (DWR 700). Isolated from soil sample SS 3686. 11 Jun 2008. USA: Elbert County, Colorado. N 39.27289, W 104.08584.
- 10673 DW Roberts (DWR 704). Isolated from soil sample SS 3653. 6 Jun 2008. USA: Lincoln County, Colorado. N 39.24425, W 103.4725.
- 10675 DW Roberts (DWR 706). Isolated from soil sample SS 3790. 10 Jul 2008. USA: Platte County, Wyoming. N 41.928572, W 104.80179.
- 10678 DW Roberts (DWR 709). Isolated from soil sample SS 3806. 28 May 2008. USA: Washington County, Colorado. N 39.856583, W 103.59242.
- 10679 DW Roberts (DWR 710). Isolated from soil sample SS 4504. 8 Jul 2008. USA: Lipscomb County, Texas. N 36.44876, W 100.40482.
- 10680 DW Roberts (DWR 711). Isolated from soil sample SS 5342. 1 Jul 2008. USA: Jackson County, South Dakota. N 43.7146, W 101.8374.
- 10681 DW Roberts (DWR 717). Isolated from soil sample SS 4500. 1 Jul 2008. USA: Wheeler County, Texas. N 35.24113, W 100.25104.
- 10682 DW Roberts (DWR 718). Isolated from soil sample SS 4537. 4 Jun 2008. USA: Callahan County, Texas. N 32.50292, W 99.54568.
- 10683 DW Roberts (DWR 719). Isolated from soil sample SS 4536. 4 Jun 2008. USA: Callahan County, Texas. N 32.23482, W 99.53926.
- 10684 DW Roberts (DWR 720). Isolated from soil sample SS 4581. 5 Jun 2008. USA: Mitchell County, Texas. N 32.20298, W 100.75227.
- 10685 DW Roberts (DWR 721). Isolated from soil sample SS 4582. 5 Jun 2008. USA: Mitchell County, Texas. N 32.12907, W 100.98704.
- 10686 DW Roberts (DWR 722). Isolated from soil sample SS 4591. 11 Jun 2008. USA: Hockley County, Texas. N 33.78631, W 102.44922.
- 10687 DW Roberts (DWR 723). Isolated from soil sample SS 4544. 5 Jun 2008. USA: Sterling County, Texas. N 31.57424, W 101.07631.
- 10689 DW Roberts (DWR 725). Isolated from soil sample SS 4568. 24 Jun 2008. USA: Martin County, Texas. N 32.18353, W 101.78448.
- 10691 DW Roberts (DWR 727). Isolated from soil sample SS 4506. 30 Jun 2008. USA: Gray County, Texas. N 35.4092, W 101.04444.
- 10692 DW Roberts (DWR 728). Isolated from soil sample SS 4509. 30 Jun 2008. USA: Gray County, Texas. N 35.41499, W 100.60719.
- 10693 DW Roberts (DWR 729). Isolated from soil sample SS 4547. 10 Jun 2008. USA: Borden County, Texas. N 32.94538, W 101.44147.
- 10694 DW Roberts (DWR 730). Isolated from soil sample SS 4566. 24 Jun 2008. USA: Martin County, Texas. N 32.22391, W 102.08804.
- 10695 DW Roberts (DWR 731). Isolated from soil sample SS 4553. 12 Jun 2008. USA: Childress County, Texas. N 34.67436, W 100.05662.

- 10696 DW Roberts (DWR 732). Isolated from soil sample SS 4524. 29 May 2008. USA: Cottle County, Texas. N 33.9193, W 100.48551.
- 10697 DW Roberts (DWR 733). Isolated from soil sample SS 4526. 3 Jun 2008. USA: Concho County, Texas. N 31.23575, W 99.72141.
- 10698 DW Roberts (DWR 734). Isolated from soil sample SS 4578. 5 Jun 2008. USA: Stonewall County, Texas. N 33.20852, W 100.46127.
- 10699 DW Roberts (DWR 735). Isolated from soil sample SS 6387. Jul 2008. USA: Cache County, Utah. N 41.5954, W 111.4845.
- 10700 DW Roberts (DWR 736). Isolated from soil sample SS 7968. 10 Jun 2008. USA: Montana.
- 10702 DW Roberts (DWR 738). Isolated from soil sample SS 5333. 1 Jul 2008. USA: Jackson County, South Dakota. N 43.7273, W 101.7226.
- 10704 DW Roberts (DWR 740). Isolated from soil sample SS 7981. 29 Jul 2008. USA: Montana.
- 10705 DW Roberts (DWR 743). Isolated from soil sample SS 3892. 10 Jul 2008. USA: Weld County, Colorado. N 40.98589, W 104.77114.
- 10706 DW Roberts (DWR 744). Isolated from soil sample SS 3939. 10 Jul 2008. USA: Park County, Colorado. N 39.01179, W 105.78414.
- 10708 DW Roberts (DWR 746). Isolated from soil sample SS 3900. 3 Jul 2008. USA: Adams County, Colorado. N 39.88498, W 104.18786.
- 10710 DW Roberts (DWR 748). Isolated from soil sample SS 4026. 16 Jun 2008. USA: El Paso County, Colorado. N 39.1076, W 104.18177.
- 10711 DW Roberts (DWR 749). Isolated from soil sample SS 4031. 16 Jun 2008. USA: El Paso County, Colorado. N 39.0399, W 104.09071.
- 10712 DW Roberts (DWR 750). Isolated from soil sample SS 4012. 12 Jun 2008. USA: Elbert County, Colorado. N 39.06407, W 103.97838.
- 10713 DW Roberts (DWR 751). Isolated from soil sample SS 3958. 22 May 2008. USA: Lincoln County, Colorado. N 39.566153, W 103.595945.
- 10714 DW Roberts (DWR 752). Isolated from soil sample SS 3977. 28 May 2008. USA: Kit Carson County, Colorado. N 39.26474, W 102.81777.
- 10715 DW Roberts (DWR 753). Isolated from soil sample SS 2653. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10716 DW Roberts (DWR 754). Isolated from soil sample SS 2651. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10717 DW Roberts (DWR 755). Isolated from soil sample SS 2659. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10718 DW Roberts (DWR 756). Isolated from soil sample SS 2658. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10719 DW Roberts (DWR 757). Isolated from soil sample SS 2660. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10721 DW Roberts (DWR 770). Isolated from soil sample SS 3948. 21 May 2008. USA: Elbert County, Colorado. N 39.14374, W 103.73398.
- 10722 DW Roberts (DWR 771). Isolated from soil sample SS 2656. 26 Aug 2008. USA: near Sonoita, Pima County, Arizona. N 31.76472, W 110.666723.
- 10723 DW Roberts (DWR 772). Isolated from soil sample SS 3944. 2 Jun 2008. USA: Yuma County, Colorado. N 40.278595, W 102.603685.
- 10724 DW Roberts (DWR 773). Isolated from soil sample SS 2575. 26 Aug 2008. USA: Empire Ranch, Pima County, Arizona. N 31.792555, W 110.6357.
- 10725 DW Roberts (DWR 774). Isolated from soil sample SS 2607. 26 Aug 2008. USA: Empire Ranch, Pima County, Arizona. N 31.803754, W 110.678705.
- 10726 DW Roberts (DWR 775). Isolated from soil sample SS 2570. 26 Aug 2008. USA: Empire Ranch, Pima County, Arizona. N 31.792555, W 110.6357.
- 10727 DW Roberts (DWR 776). Isolated from soil sample SS 3952. 22 May 2008. USA: Washington County, Colorado. N 39.566822, W 103.65049833.
- 10728 DW Roberts (DWR 777). Isolated from soil sample SS 4076. 23 May 2008. USA: Adams County, Colorado. N 39.996792, W 103.71502.
- 10729 DW Roberts (DWR 778). Isolated from soil sample SS 3945. 10 Jul 2008. USA: Lake County, Colorado. N 39.08127, W 105.86591.
- 10731 DW Roberts (DWR 780). Isolated from soil sample SS 2635. 26 Aug 2008. USA: Graham County, Arizona. N 33.397751, W 109.718853.
- 10733 DW Roberts (DWR 782). Isolated from soil sample SS 2671. 26 Aug 2008. USA: Graham County, Arizona. N 33.380253, W 109.743061.
- 10734 DW Roberts (DWR 783). Isolated from soil sample SS 2686. 26 Aug 2008. USA: Santa Cruz County, Arizona. N 31.708053, W 110.588925.
- 10735 DW Roberts (DWR 784). Isolated from soil sample SS 2685. 26 Aug 2008. USA: Santa Cruz County, Arizona. N 31.708053, W 110.588925.
- 10736 DW Roberts (DWR 785). Isolated from soil sample SS 2779. 17 Jul 2008. USA: Arizona.
- 10737 DW Roberts (DWR 786). Isolated from soil sample SS 2692. 26 Aug 2008. USA: Santa Cruz County, Arizona. N 31.708053, W 110.588925.
- 10738 DW Roberts (DWR 787). Isolated from soil sample SS 2694. 26 Aug 2008. USA: Santa Cruz County, Arizona. N 31.708053, W 110.588925.
- 10739 DW Roberts (DWR 788). Isolated from soil sample SS 2705. 17 Jul 2008. USA: Coconino County, Arizona. N 35.76174, W 112.82265.
- 10740 DW Roberts (DWR 789). Isolated from soil sample SS 2767. 17 Jul 2008. USA: Coconino County, Arizona. N 35.722958, W 112.87758.

- 10741 DW Roberts (DWR 790). Isolated from soil sample SS 2067. 13 Aug 2008. USA: Boyd County, Nebraska.
- 10742 DW Roberts (DWR 791). Isolated from soil sample SS 2827. 17 Jul 2008. USA: Navajo County, Arizona. N 34.606645, W 110.3783016.
- 10743 DW Roberts (DWR 792). Isolated from soil sample SS 2828. 17 Jul 2008. USA: Navajo County, Arizona. N 34.606645, W 110.3783016.
- 10744 DW Roberts (DWR 808). Isolated from soil sample SS 2921. 17 Jul 2008. USA: Coconino County, Arizona. N 35.794473, W 112.416863.
- 10745 DW Roberts (DWR 809). Isolated from soil sample SS 2925. 17 Jul 2008. USA: Coconino County, Arizona. N 35.794473, W 112.416863.
- 10746 DW Roberts (DWR 810). Isolated from soil sample SS 2014. 13 Aug 2008. USA: Gosper County, Nebraska. N 40.5343, W 99.7372.
- 10747 DW Roberts (DWR 811). Isolated from soil sample SS 2930. Jul 2008. USA: Yavapai County, Arizona. N 34.697016, W 112.510838.
- 10748 DW Roberts (DWR 812). Isolated from soil sample SS 2059. 13 Aug 2008. USA: Buffalo County, Nebraska. N 40.8588, W 99.2551.
- 10749 DW Roberts (DWR 813). Isolated from soil sample SS 2046. 13 Aug 2008. USA: Furnas County, Nebraska. N 40.1451, W 99.9326.
- 10750 DW Roberts (DWR 814). Isolated from soil sample SS 2920. 17 Jul 2008. USA: Coconino County, Arizona. N 35.794473, W 112.416863.
- 10751 DW Roberts (DWR 815). Isolated from soil sample SS 1874. 4 Aug 2008. USA: Keya Paha County, Nebraska.
- 10752 DW Roberts (DWR 817). Isolated from soil sample SS 1948. 30 Jul 2008. USA: Frontier County, Nebraska. N 40.38971, W 100.26295.
- 10754 DW Roberts (DWR 855). Isolated from soil sample SS 1898. 23 Jul 2008. USA: Hitchcock County, Nebraska. N 40.29845, W 101.04119.
- 10755 DW Roberts (DWR 856). Isolated from soil sample SS 1935. 25 Jul 2008. USA: Hayes County, Nebraska. N 40.63847, W 100.968.
- 10756 DW Roberts (DWR 857). Isolated from soil sample SS 1919. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.54133, W 100.24089.
- 10757 DW Roberts (DWR 858). Isolated from soil sample SS 1930. 24 Jul 2008. USA: Hayes County, Nebraska. N 40.36359, W 100.91887.
- 10758 DW Roberts (DWR 859). Isolated from soil sample SS 4723. 2 Jun 2008. USA: Coleman County, Texas. N 31.48319, W 99.37464.
- 10759 DW Roberts (DWR 860). Isolated from soil sample SS 2072. 13 Aug 2008. USA: Boyd County, Nebraska.
- 10760 DW Roberts (DWR 861). Isolated from soil sample SS 2058. 13 Aug 2008. USA: Furnas County, Nebraska. N 40.0161, W 100.0799.
- 10761 DW Roberts (DWR 862). Isolated from soil sample SS 4638. 3 Jun 2008. USA: Schleicher County, Texas. N 30.79365, W 100.77251.
- 10762 DW Roberts (DWR 863). Isolated from soil sample SS 4649. 30 Jun 2008. USA: Hansford County, Texas. N 36.08137, W 101.4447.
- 10763 DW Roberts (DWR 864). Isolated from soil sample SS 4603. 18 Jun 2008. USA: Swisher County, Texas. N 34.57756, W 101.54027.
- 10764 DW Roberts (DWR 865). Isolated from soil sample SS 4598. 17 Jun 2008. USA: Parmer County, Texas. N 34.64667, W 102.60166.
- 10765 DW Roberts (DWR 874). Isolated from soil sample SS 4726. 3 Jun 2008. USA: Menard County, Texas. N 30.99347, W 100.09922.
- 10766 DW Roberts (DWR 875). Isolated from soil sample SS 1984. 5 Aug 2008. USA: Lincoln County, Nebraska. N 40.84449, W 100.29618.
- 10767 DW Roberts (DWR 876). Isolated from soil sample SS 1955. 30 Jul 2008. USA: Frontier County, Nebraska. N 40.41958, W 100.59849.
- 10768 DW Roberts (DWR 877). Isolated from soil sample SS 4761. 6 Aug 2008. USA: Albany County, Wyoming. N 42.071891, W 106.0349178.
- 10769 DW Roberts (DWR 878). Isolated from soil sample SS 4728. 3 Jun 2008. USA: Menard County, Texas. N 30.84586, W 99.83236.
- 10770 DW Roberts (DWR 879). Isolated from soil sample SS 6893. 8 Jul 2008. USA: Morgan County, Utah. N 41.2125, W 111.3418.
- 10771 DW Roberts (DWR 884). Isolated from soil sample SS 1894. 23 Jul 2008. USA: Hitchcock County, Nebraska. N 40.03273, W 100.89821.
- 10773 DW Roberts (DWR 886). Isolated from soil sample SS 1917. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.66439, W 100.15061.
- 10774 DW Roberts (DWR 887). Isolated from soil sample SS 1911. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.47876, W 100.12382.
- 10775 DW Roberts (DWR 888). Isolated from soil sample SS 4689. 22 May 2008. USA: Throckmorton County, Texas. N 33.00592, W 99.20248.
- 10776 DW Roberts (DWR 889). Isolated from soil sample SS 4620. 28 May 2008. USA: Motley County, Texas. N 33.90479, W 100.96233.
- 10777 DW Roberts (DWR 890). Isolated from soil sample SS 4651. 30 Jun 2008. USA: Hansford County, Texas. N 36.42163, W 101.27528.
- 10778 DW Roberts (DWR 891). Isolated from soil sample SS 4682. 20 May 2008. USA: Baylor County, Texas. N 33.44733, W 99.23711.
- 10779 DW Roberts (DWR 892). Isolated from soil sample SS 4617. 28 May 2008. USA: Motley County, Texas. N 34.09042, W 100.9746.

- 10780 DW Roberts (DWR 893). Isolated from soil sample SS 4676. 14 May 2008. USA: Kiowa County, Oklahoma. N 34.85801, W 98.78252.
- 10781 DW Roberts (DWR 894). Isolated from soil sample SS 4602. 18 Jun 2008. USA: Swisher County, Texas. N 34.52972, W 101.90613.
- 10782 DW Roberts (DWR 895). Isolated from soil sample SS 4640. 3 Jun 2008. USA: Schleicher County, Texas. N 30.94188, W 100.33055.
- 10783 DW Roberts (DWR 896). Isolated from soil sample SS 4650. 30 Jun 2008. USA: Hansford County, Texas. N 36.21276, W 101.20016.
- 10784 DW Roberts (DWR 897). Isolated from soil sample SS 4727. 3 Jun 2008. USA: Menard County, Texas. N 30.78215, W 99.65649.
- 10785 DW Roberts (DWR 898). Isolated from soil sample SS 4738. 12 Jun 2008. USA: Bailey County, Texas. N 34.24297, W 102.77686.
- 10786 DW Roberts (DWR 899). Isolated from soil sample SS 4751. 7 Jul 2008. USA: Carson County, Texas. N 35.32781, W 101.16815.
- 10787 DW Roberts (DWR 901). Isolated from soil sample SS 5439. 16 Jun 2008. USA: Ziebach County, South Dakota. N 44.735197, W 101.4972383.
- 10788 DW Roberts (DWR 902). Isolated from soil sample SS 6747. 26 Jun 2008. USA: Grand County, Utah. N 38.5127, W 109.1724.
- 10789 DW Roberts (DWR 903). Isolated from soil sample SS 7649. Jul 2008. USA: San Juan County, Utah. N 38.0939, W 109.4602.
- 10790 DW Roberts (DWR 904). Isolated from soil sample SS 7655. Jul 2008. USA: San Juan County, Utah. N 38.1042, W 109.1029.
- 10791 DW Roberts (DWR 905). Isolated from soil sample SS 5544. 1 Jul 2008. USA: Jackson County, South Dakota. N 43.6684, W 101.755.
- 10792 DW Roberts (DWR 906). Isolated from soil sample SS 5529. 1 Jul 2008. USA: Meade County, South Dakota. N 44.8927, W 102.0457.
- 10793 DW Roberts (DWR 907). Isolated from soil sample SS 5680. 24 Jun 2008. USA: Lyman County, South Dakota. N 43.7519, W 100.2999.
- 10794 DW Roberts (DWR 908). Isolated from soil sample SS 5792. 10 Jun 2008. USA: Shannon County, South Dakota. N 43.52098, W 102.6821.
- 10795 DW Roberts (DWR 909). Isolated from soil sample SS 5764. 10 Jun 2008. USA: Gregory County, South Dakota. N 43.0464, W 98.7881.
- 10796 DW Roberts (DWR 910). Isolated from soil sample SS 4842. 11 Aug 2008. USA: Weston County, Wyoming. N 44.085785, W 104.14537716.
- 10797 DW Roberts (DWR 921). Isolated from soil sample SS 5845. 19 Jun 2008. USA: Corson County, South Dakota. N 45.55521, W 101.8609.
- 10798 DW Roberts (DWR 922). Isolated from soil sample SS 5826. 11 Jun 2008. USA: Tripp County, South Dakota. N 43.3863, W 100.0755.
- 10800 DW Roberts (DWR 924). Isolated from soil sample SS 6142. 18 Aug 2008. USA: Sheridan County, Nebraska. N 42.261535, W 102.081455.
- 10801 DW Roberts (DWR 925). Isolated from soil sample SS 6149. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.893785, W 102.54726.
- 10802 DW Roberts (DWR 926). Isolated from soil sample SS 6141. 18 Aug 2008. USA: Sheridan County, Nebraska. N 42.245015, W 102.235845.
- 10803 DW Roberts (DWR 927). Isolated from soil sample SS 6094. Jul 2008. USA: Dawes County, Nebraska. N 42.53117, W 102.94981.
- 10804 DW Roberts (DWR 928). Isolated from soil sample SS 5651. 24 Jun 2008. USA: Lyman County, South Dakota. N 43.8997, W 100.166.
- 10805 DW Roberts (DWR 929). Isolated from soil sample SS 6177. 7 Aug 2008. USA: Box Butte County, Nebraska. N 42.15098, W 102.771565.
- 10806 DW Roberts (DWR 930). Isolated from soil sample SS 6549. 1 Jul 2008. USA: Millard County, Utah. N 39.1156, W 113.1209.
- 10807 DW Roberts (DWR 931). Isolated from soil sample SS 6079. Jul 2008. USA: Dawes County, Nebraska. N 42.748135, W 103.17628.
- 10808 DW Roberts (DWR 932). Isolated from soil sample SS 6175. 7 Aug 2008. USA: Dawes County, Nebraska. N 42.664655, W 102.85194.
- 10809 DW Roberts (DWR 933). Isolated from soil sample SS 5927. 12 Jun 2008. USA: Ziebach County, South Dakota. N 44.613773, W 101.47825.
- 10810 DW Roberts (DWR 934). Isolated from soil sample SS 5895. 25 Jun 2008. USA: Todd County, South Dakota. N 43.06763, W 100.747919.
- 10811 DW Roberts (DWR 935). Isolated from soil sample SS 5901. 1 Jul 2008. USA: Buffalo County, South Dakota. N 44.07779, W 99.2063.
- 10812 DW Roberts (DWR 936). Isolated from soil sample SS 6001. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.73556, W 102.69261.
- 10813 DW Roberts (DWR 937). Isolated from soil sample SS 6043. 5 Aug 2008. USA: Dawes County, Nebraska. N 42.999545, W 103.019905.
- 10814 DW Roberts (DWR 938). Isolated from soil sample SS 6036. 5 Aug 2008. USA: Dawes County, Nebraska. N 42.92187, W 103.213995.
- 10815 DW Roberts (DWR 939). Isolated from soil sample SS 6054. 28 Jul 2008. USA: Banner County, Nebraska. N 41.565045, W 103.406485.
- 10816 DW Roberts (DWR 943). Isolated from soil sample SS 7109. 27 Jun 2008. USA: Piute County, Utah. N 38.40407, W 112.34563.

- 10817 DW Roberts (DWR 944). Isolated from soil sample SS 7111. 27 Jun 2008. USA: Piute County, Utah. N 38.22146, W 112.31586.
- 10818 DW Roberts (DWR 945). Isolated from soil sample SS 7123. 27 Jun 2008. USA: Millard County, Utah. N 38.5912, W 113.57.
- 10819 DW Roberts (DWR 946). Isolated from soil sample SS 7151. 6 Jul 2008. USA: Millard County, Utah. N 39.1851, W 114.0011.
- 10820 DW Roberts (DWR 947). Isolated from soil sample SS 6196. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.733655, W 103.292475.
- 10821 DW Roberts (DWR 948). Isolated from soil sample SS 5711. 1 Jul 2008. USA: Butte County, South Dakota. N 44.795258, W 103.26403.
- 10822 DW Roberts (DWR 949). Isolated from soil sample SS 5776. 25 Jun 2008. USA: Todd County, South Dakota. N 43.30257, W 100.55683.
- 10823 DW Roberts (DWR 950). Isolated from soil sample SS 7102. 27 Jun 2008. USA: Garfield County, Utah. N 38.10389, W 112.27619.
- 10824 DW Roberts (DWR 951). Isolated from soil sample SS 7055. 11 Jun 2008. USA: Tooele County, Utah. N 40.0207, W 113.1327.
- 10825 DW Roberts (DWR 952). Isolated from soil sample SS 6018. 20 Aug 2008. USA: Sheridan County, Nebraska. N 42.213985, W 102.427245.
- 10826 DW Roberts (DWR 953). Isolated from soil sample SS 5899. 1 Jul 2008. USA: Buffalo County, South Dakota. N 44.1371, W 99.005.
- 10827 DW Roberts (DWR 954). Isolated from soil sample SS 7090. 27 Jun 2008. USA: Piute County, Utah. N 38.22938, W 112.296.
- 10828 DW Roberts (DWR 955). Isolated from soil sample SS 7107. 27 Jun 2008. USA: Piute County, Utah. N 38.29251, W 112.34023.
- 10829 DW Roberts (DWR 956). Isolated from soil sample SS 7138. 27 Jun 2008. USA: Millard County, Utah. N 39.1655, W 113.0321.
- 10830 DW Roberts (DWR 957). Isolated from soil sample SS 7147. 2 Jul 2008. USA: Millard County, Utah. N 38.5907, W 113.5115.
- 10831 DW Roberts (DWR 958). Isolated from soil sample SS 5722. 17 Jun 2008. USA: Ziebach County, South Dakota. N 45.419595, W 101.778723.
- 10832 DW Roberts (DWR 959). Isolated from soil sample SS 7104. 27 Jun 2008. USA: Garfield County, Utah. N 38.04132, W 112.31939.
- 10833 DW Roberts (DWR 960). Isolated from soil sample SS 6004. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.90097, W 102.379625.
- 10834 DW Roberts (DWR 961). Isolated from soil sample SS 6069. 4 Aug 2008. USA: Sioux County, Nebraska. N 42.52465, W 103.598405.
- 10835 DW Roberts (DWR 962). Isolated from soil sample SS 5917. 10 Jun 2008. USA: Pennington, South Dakota. N 43.777916, W 102.537261.
- 10836 DW Roberts (DWR 963). Isolated from soil sample SS 6057. 28 Jul 2008. USA: Banner County, Nebraska. N 41.5017, W 103.42739.
- 10837 DW Roberts (DWR 964). Isolated from soil sample SS 5900. 1 Jul 2008. USA: Buffalo County, South Dakota. N 44.00613, W 99.2665.
- 10838 DW Roberts (DWR 965). Isolated from soil sample SS 5897. 1 Jul 2008. USA: Buffalo County, South Dakota. N 44.0807, W 99.43796.
- 10839 DW Roberts (DWR 966). Isolated from soil sample SS 7113. 27 Jun 2008. USA: Piute County, Utah. N 38.4155, W 112.35473.
- 10840 DW Roberts (DWR 967). Isolated from soil sample SS 6258. 12 Aug 2008. USA: Apache County, Arizona. N 34.37873, W 109.68482.
- 10841 DW Roberts (DWR 968). Isolated from soil sample SS 6202. 12 Aug 2008. USA: Coconino County, Arizona. N 34.306083, W 110.8977983.
- 10842 DW Roberts (DWR 969). Isolated from soil sample SS 6174. 7 Aug 2008. USA: Box Butte County, Nebraska. N 42.28555, W 102.75739.
- 10843 DW Roberts (DWR 970). Isolated from soil sample SS 6185. 11 Aug 2008. USA: Morrill County, Nebraska. N 41.55868, W 103.348755.
- 10844 DW Roberts (DWR 971). Isolated from soil sample SS 6120. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.74988, W 102.936425.
- 10849 DW Roberts (DWR 976). Isolated from soil sample SS 6126. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.692075, W 102.983275.
- 10850 DW Roberts (DWR 977). Isolated from soil sample SS 7220. 21 Jul 2008. USA: Garfield County, Utah. N 38.104, W 112.0426.
- 10851 DW Roberts (DWR 978). Isolated from soil sample SS 6099. 16 Jul 2008. USA: Box Butte County, Nebraska. N 42.051265, W 103.033715.
- 10852 DW Roberts (DWR 979). Isolated from soil sample SS 7120. 27 Jun 2008. USA: Millard County, Utah. N 39.273, W 113.5929.
- 10853 DW Roberts (DWR 980). Isolated from soil sample SS 6125. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.49912, W 102.9649.
- 10854 DW Roberts (DWR 981). Isolated from soil sample SS 7140. 27 Jun 2008. USA: Millard County, Utah. N 39.1836, W 112.5825.
- 10855 DW Roberts (DWR 982). Isolated from soil sample SS 6098. 16 Jul 2008. USA: Morrill County, Nebraska. N 41.918445, W 103.087495.
- 10856 DW Roberts (DWR 983). Isolated from soil sample SS 6114. 28 Jul 2008. USA: Banner County, Nebraska. N 41.568715, W 103.585345.

- 10857 DW Roberts (DWR 984). Isolated from soil sample SS 6969. 31 Jul 2008. USA: Uintah County, Utah. N 40.3903, W 109.104.
- 10858 DW Roberts (DWR 985). Isolated from soil sample SS 6139. 18 Aug 2008. USA: Sheridan County, Nebraska. N 42.336745, W 102.08199.
- 10859 DW Roberts (DWR 986). Isolated from soil sample SS 7148. 3 Jul 2008. USA: Millard County, Utah. N 39.1615, W 113.0852.
- 10860 DW Roberts (DWR 987). Isolated from soil sample SS 6097. 16 Jul 2008. USA: Morrill County, Nebraska. N 41.94954, W 103.009035.
- 10861 DW Roberts (DWR 988). Isolated from soil sample SS 7207. 21 Jul 2008. USA: Sevier County, Utah. N 39.0119, W 111.444.
- 10862 DW Roberts (DWR 989). Isolated from soil sample SS 6225. 12 Aug 2008. USA: Apache County, Arizona. N 34.183518, W 109.732445.
- 10863 DW Roberts (DWR 990). Isolated from soil sample SS 6952. 23 Jul 2008. USA: Grand County, Utah. N 39.3121, W 109.0939.
- 10864 DW Roberts (DWR 991). Isolated from soil sample SS 6266. 20 Sep 2008. USA: La Paz County, Arizona. N 33.27935, W 114.42816.
- 10865 DW Roberts (DWR 992). Isolated from soil sample SS 7115. 27 Jun 2008. USA: Beaver County, Utah. N 38.28483, W 112.36637.
- 10866 DW Roberts (DWR 993). Isolated from soil sample SS 7219. 21 Jul 2008. USA: Sevier County, Utah. N 38.5403, W 111.5419.
- 10867 DW Roberts (DWR 994). Isolated from soil sample SS 7122. 27 Jun 2008. USA: Beaver County, Utah. N 38.4151, W 113.1211.
- 10868 DW Roberts (DWR 995). Isolated from soil sample SS 6560. 1 Jul 2008. USA: Millard County, Utah. N 38.5914, W 113.1619.
- 10869 DW Roberts (DWR 996). Isolated from soil sample SS 6151. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.87849, W 102.4625.
- 10870 DW Roberts (DWR 997). Isolated from soil sample SS 6156. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.847235, W 102.104245.
- 10871 DW Roberts (DWR 998). Isolated from soil sample SS 6190. 11 Aug 2008. USA: Morrill County, Nebraska. N 41.620705, W 103.099345.
- 10872 DW Roberts (DWR 999). Isolated from soil sample SS 7130. 27 Jun 2008. USA: Beaver County, Utah. N 38.5031, W 113.4135.
- 10873 DW Roberts (DWR 1000). Isolated from soil sample SS 6122. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.46098, W 102.78185.
- 10874 DW Roberts (DWR 1001). Isolated from soil sample SS 7131. 27 Jun 2008. USA: Beaver County, Utah. N 38.5434, W 113.4241.
- 10876 DW Roberts (DWR 1003). Isolated from soil sample SS 6140. 18 Aug 2008. USA: Sheridan County, Nebraska. N 42.05945, W 102.463275.
- 10877 DW Roberts (DWR 1004). Isolated from soil sample SS 6143. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.744705, W 102.357825.
- 10878 DW Roberts (DWR 1005). Isolated from soil sample SS 6199. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.552865, W 102.818175.
- 10879 DW Roberts (DWR 1006). Isolated from soil sample SS 6078. 14 Jul 2008. USA: Dawes County, Nebraska. N 42.568015, W 103.126365.
- 10880 DW Roberts (DWR 1007). Isolated from soil sample SS 6118. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.62666, W 102.65576.
- 10881 DW Roberts (DWR 1008). Isolated from soil sample SS 6195. 12 Aug 2008. USA: Morrill County, Nebraska. N 41.684995, W 103.073455.
- 10882 DW Roberts (DWR 1009). Isolated from soil sample SS 6212. 12 Aug 2008. USA: Apache County, Arizona. N 34.530787, W 109.757345.
- 10883 DW Roberts (DWR 1010). Isolated from soil sample SS 6244. 12 Aug 2008. USA: Coconino County, Arizona. N 35.332517, W 112.459995.
- 10884 DW Roberts (DWR 1011). Isolated from soil sample SS 6251. 12 Aug 2008. USA: Coconino County, Arizona. N 35.321033, W 112.2464.
- 10885 DW Roberts (DWR 1012). Isolated from soil sample SS 7108. 27 Jun 2008. USA: Beaver County, Utah. N 38.28492, W 112.36634.
- 10886 DW Roberts (DWR 1013). Isolated from soil sample SS 7112. 27 Jun 2008. USA: Piute County, Utah. N 38.28134, W 112.34828.
- 10887 DW Roberts (DWR 1014). Isolated from soil sample SS 7118. 27 Jun 2008. USA: Millard County, Utah. N 39.3111, W 113.575.
- 10888 DW Roberts (DWR 1015). Isolated from soil sample SS 7119. 27 Jun 2008. USA: Millard County, Utah. N 39.1431, W 113.242.
- 10889 DW Roberts (DWR 1016). Isolated from soil sample SS 7125. 27 Jun 2008. USA: Millard County, Utah. N 39.2307, W 113.5035.
- 10890 DW Roberts (DWR 1017). Isolated from soil sample SS 7129. 27 Jun 2008. USA: Beaver County, Utah. N 38.4652, W 112.5523.
- 10891 DW Roberts (DWR 1018). Isolated from soil sample SS 7133. 27 Jun 2008. USA: Beaver County, Utah. N 38.4408, W 113.2225.
- 10892 DW Roberts (DWR 1019). Isolated from soil sample SS 7137. 27 Jun 2008. USA: Millard County, Utah. N 39.1859, W 112.525.
- 10893 DW Roberts (DWR 1020). Isolated from soil sample SS 7142. 27 Jun 2008. USA: Beaver County, Utah. N 38.4223, W 113.1741.

- 10894 DW Roberts (DWR 1021). Isolated from soil sample SS 7145. 30 Jun 2008. USA: Beaver County, Utah. N 38.43, W 112.5808.
- 10895 DW Roberts (DWR 1022). Isolated from soil sample SS 7146. 1 Jul 2008. USA: Millard County, Utah. N 39.2633, W 113.5359.
- 10896 DW Roberts (DWR 1023). Isolated from soil sample SS 7149. 4 Jul 2008. USA: Beaver County, Utah. N 38.4512, W 113.2812.
- 10897 DW Roberts (DWR 1024). Isolated from soil sample SS 7150. 5 Jul 2008. USA: Millard County, Utah. N 39.1432, W 114.0012.
- 10898 DW Roberts (DWR 1025). Isolated from soil sample SS 7179. 29 Jul 2008. USA: Box Elder County, Utah. N 41.5372, W 113.2677.
- 10899 DW Roberts (DWR 1026). Isolated from soil sample SS 7181. 30 Jul 2008. USA: Box Elder County, Utah. N 41.533, W 113.2865.
- 10900 DW Roberts (DWR 1027). Isolated from soil sample SS 7187. 2 Jun 2008. USA: Millard County, Utah. N 39.3639, W 113.2907.
- 10901 DW Roberts (DWR 1028). Isolated from soil sample SS 7189. 21 Jul 2008. USA: Wayne County, Utah. N 38.1827, W 111.5807.
- 10902 DW Roberts (DWR 1029). Isolated from soil sample SS 7190. 3 Jun 2008. USA: Tooele County, Utah. N 40.1734, W 113.5921.
- 10903 DW Roberts (DWR 1030). Isolated from soil sample SS 7191. 3 Jun 2008. USA: Tooele County, Utah. N 40.0716, W 113.5827.
- 10904 DW Roberts (DWR 1031). Isolated from soil sample SS 7200. 21 Jul 2008. USA: Piute County, Utah. N 38.4239, W 112.0235.
- 10905 DW Roberts (DWR 1032). Isolated from soil sample SS 7203. 21 Jul 2008. USA: Garfield County, Utah. N 38.1402, W 111.5932.
- 10906 DW Roberts (DWR 1033). Isolated from soil sample SS 7206. 21 Jul 2008. USA: Piute County, Utah. N 38.4006, W 112.0604.
- 10907 DW Roberts (DWR 1034). Isolated from soil sample SS 7208. 21 Jul 2008. USA: Wayne County, Utah. N 38.4742, W 111.5922.
- 10908 DW Roberts (DWR 1035). Isolated from soil sample SS 7209. 21 Jul 2008. USA: Wayne County, Utah. N 38.4354, W 111.5841.
- 10909 DW Roberts (DWR 1036). Isolated from soil sample SS 7213. 21 Jul 2008. USA: Wayne County, Utah. N 38.3101, W 111.5253.
- 10910 DW Roberts (DWR 1037). Isolated from soil sample SS 7215. 21 Jul 2008. USA: Piute County, Utah. N 38.1755, W 112.1332.
- 10911 DW Roberts (DWR 1038). Isolated from soil sample SS 7217. 21 Jul 2008. USA: Piute County, Utah. N 38.2205, W 112.1329.
- 10912 DW Roberts (DWR 1039). Isolated from soil sample SS 7226. 22 Jul 2008. USA: Garfield County, Utah. N 38.0904, W 112.1725.
- 10913 DW Roberts (DWR 1040). Isolated from soil sample SS 7228. 22 Jul 2008. USA: Garfield County, Utah. N 38.0547, W 112.2011.
- 10914 DW Roberts (DWR 1041). Isolated from soil sample SS 7229. 22 Jul 2008. USA: Wayne County, Utah. N 38.1839, W 111.2315.
- 10915 DW Roberts (DWR 1042). Isolated from soil sample SS 7230. 22 Jul 2008. USA: Wayne County, Utah. N 38.16, W 111.0443.
- 10916 DW Roberts (DWR 1043). Isolated from soil sample SS 7231. 22 Jul 2008. USA: Kane County, Utah. N 37.4242, W 112.1434.
- 10917 DW Roberts (DWR 1044). Isolated from soil sample SS 7234. 22 Jul 2008. USA: Wayne County, Utah. N 38.2952, W 111.5.
- 10918 DW Roberts (DWR 1045). Isolated from soil sample SS 7235. 22 Jul 2008. USA: Wayne County, Utah. N 38.2605, W 111.4156.
- 10919 DW Roberts (DWR 1046). Isolated from soil sample SS 7236. 22 Jul 2008. USA: Garfield County, Utah. N 38.0708, W 111.1932.
- 10920 DW Roberts (DWR 1047). Isolated from soil sample SS 7237. 22 Jul 2008. USA: Wayne County, Utah. N 38.4133, W 111.5212.
- 10921 DW Roberts (DWR 1048). Isolated from soil sample SS 6178. 7 Aug 2008. USA: Box Butte County, Nebraska. N 42.220095, W 102.78352.
- 10922 DW Roberts (DWR 1049). Isolated from soil sample SS 6979. 5 Aug 2008. USA: Sanpete County, Utah. N 39.29, W 111.4052.
- 10923 DW Roberts (DWR 1050). Isolated from soil sample SS 6986. May 2008. USA: Millard County, Utah. N 39.5249, W 113.3908.
- 10924 DW Roberts (DWR 1051). Isolated from soil sample SS 6992. May 2008. USA: Box Elder County, Utah. N 41.5011, W 113.5323.
- 10925 DW Roberts (DWR 1052). Isolated from soil sample SS 7047. 11 Jun 2008. USA: Juab County, Utah. N 39.5614, W 112.4738.
- 10926 DW Roberts (DWR 1053). Isolated from soil sample SS 7003. May 2008. USA: Cassia County, Idaho. N 42.0105, W 113.5813.
- 10927 DW Roberts (DWR 1054). Isolated from soil sample SS 7000. May 2008. USA: Box Elder County, Utah. N 41.4607, W 113.5115.
- 10928 DW Roberts (DWR 1055). Isolated from soil sample SS 7005. May 2008. USA: Box Elder County, Utah. N 41.5104, W 113.4724.
- 10929 DW Roberts (DWR 1056). Isolated from soil sample SS 7006. May 2008. USA: Box Elder County, Utah. N 41.5136, W 113.5242.

- 10930 DW Roberts (DWR 1057). Isolated from soil sample SS 7011. May 2008. USA: Box Elder County, Utah. N 41.47394, W 113.55089.
- 10931 DW Roberts (DWR 1058). Isolated from soil sample SS 7018. 16 May 2008. USA: Box Elder County, Utah. N 41.5054, W 113.5226.
- 10932 DW Roberts (DWR 1059). Isolated from soil sample SS 7021. 5 Jun 2008. USA: Tooele County, Utah. N 40.032, W 112.181.
- 10933 DW Roberts (DWR 1060). Isolated from soil sample SS 7024. 9 Jun 2008. USA: Duchesne County, Utah. N 40.0953, W 110.1709.
- 10934 DW Roberts (DWR 1061). Isolated from soil sample SS 7027. 9 Jun 2008. USA: Duchesne County, Utah. N 40.1421, W 110.0402.
- 10935 DW Roberts (DWR 1062). Isolated from soil sample SS 7031. 9 Jun 2008. USA: Duchesne County, Utah. N 40.1015, N 110.3412.
- 10936 DW Roberts (DWR 1063). Isolated from soil sample SS 7044. 11 Jun 2008. USA: Millard County, Utah. N 39.4952, W 112.3912.
- 10937 DW Roberts (DWR 1064). Isolated from soil sample SS 7046. 11 Jun 2008. USA: Tooele County, Utah. N 40.0035, W 113.0854.
- 10938 DW Roberts (DWR 1065). Isolated from soil sample SS 7052. 11 Jun 2008. USA: Juab County, Utah. N 39.5815, W 113.1348.
- 10939 DW Roberts (DWR 1066). Isolated from soil sample SS 7057. 11 Jun 2008. USA: Millard County, Utah. N 39.5307, W 112.4459.
- 10940 DW Roberts (DWR 1067). Isolated from soil sample SS 7060. 12 Jun 2008. USA: Tooele County, Utah. N 40.4505, W 112.5855.
- 10941 DW Roberts (DWR 1068). Isolated from soil sample SS 7066. 16 Jun 2008. USA: Summit County, Utah. N 41.0045, W 111.3055.
- 10942 DW Roberts (DWR 1069). Isolated from soil sample SS 7077. 20 Jun 2008. USA: Wasatch County, Utah. N 40.2107, W 111.0409.
- 10943 DW Roberts (DWR 1070). Isolated from soil sample SS 7089. 27 Jun 2008. USA: Beaver County, Utah. N 38.28487, W 112.36624.
- 10944 DW Roberts (DWR 1071). Isolated from soil sample SS 7082. 2 Jul 2008. USA: Emery County, Utah. N 39.3854, W 111.2211.
- 10945 DW Roberts (DWR 1072). Isolated from soil sample SS 7085. 3 Jul 2008. USA: Duchesne County, Utah. N 40.3232, W 110.0842.
- 10946 DW Roberts (DWR 1073). Isolated from soil sample SS 7098. 27 Jun 2008. USA: Garfield County, Utah. N 38.05085, W 112.27545.
- 10948 DW Roberts (DWR 1075). Isolated from soil sample SS 6551. 1 Jul 2008. USA: Millard County, Utah. N 39.3318, W 113.0619.
- 10949 DW Roberts (DWR 1076). Isolated from soil sample SS 6570. 1 Jul 2008. USA: Iron County, Utah. N 37.5319, W 113.1214.
- 10950 DW Roberts (DWR 1077). Isolated from soil sample SS 6982. 7 Aug 2008. USA: Juab County, Utah. N 39.5817, W 112.0505.
- 10951 DW Roberts (DWR 1078). Isolated from soil sample SS 6989. May 2008. USA: Box Elder County, Utah. N 41.573, W 114.004.
- 10952 DW Roberts (DWR 1079). Isolated from soil sample SS 6991. May 2008. USA: Box Elder County, Utah. N 41.1134, W 113.5731.
- 10953 DW Roberts (DWR 1080). Isolated from soil sample SS 6992. May 2008. USA: Box Elder County, Utah. N 41.5011, W 113.5323.
- 10954 DW Roberts (DWR 1081). Isolated from soil sample SS 7001. May 2008. USA: Box Elder County, Utah. N 41.4807, W 113.5703.
- 10955 DW Roberts (DWR 1082). Isolated from soil sample SS 7004. May 2008. USA: Box Elder County, Utah. N 41.4829, W 113.5411.
- 10956 DW Roberts (DWR 1083). Isolated from soil sample SS 7009. May 2008. USA: Box Elder County, Utah. N 41.46394, W 113.54373.
- 10957 DW Roberts (DWR 1084). Isolated from soil sample SS 7013. May 2008. USA: Box Elder County, Utah. N 41.47287, W 113.534.
- 10958 DW Roberts (DWR 1085). Isolated from soil sample SS 7019. 16 May 2008. USA: Box Elder County, Utah. N 41.5078, W 113.5249.
- 10959 DW Roberts (DWR 1086). Isolated from soil sample SS 7022. 9 Jun 2008. USA: Carbon County, Utah. N 39.541, W 110.4352.
- 10960 DW Roberts (DWR 1087). Isolated from soil sample SS 7026. 9 Jun 2008. USA: Emery County, Utah. N 39.4558, W 110.3846.
- 10961 DW Roberts (DWR 1088). Isolated from soil sample SS 7033. 9 Jun 2008. USA: Emery County, Utah. N 39.3119, W 110.4453.
- 10962 DW Roberts (DWR 1089). Isolated from soil sample SS 7035. 10 Jun 2008. USA: Emery County, Utah. N 39.5718, W 111.1518.
- 10963 DW Roberts (DWR 1090). Isolated from soil sample SS 7041. 10 Jun 2008. USA: Sanpete County, Utah. N 39.5659, W 111.5753.
- 10964 DW Roberts (DWR 1091). Isolated from soil sample SS 7048. 11 Jun 2008. USA: Juab County, Utah. N 39.5932, W 112.4835.
- 10965 DW Roberts (DWR 1092). Isolated from soil sample SS 7051. 11 Jun 2008. USA: Tooele County, Utah. N 40.1431, W 113.561.
- 10966 DW Roberts (DWR 1093). Isolated from soil sample SS 7053. 11 Jun 2008. USA: Juab County, Utah. N 39.4011, W 112.0404.

- 10967 DW Roberts (DWR 1094). Isolated from soil sample SS 7056. 11 Jun 2008. USA: Millard County, Utah. N 39.4721, W 112.334.
- 10968 DW Roberts (DWR 1095). Isolated from soil sample SS 7061. 12 Jun 2008. USA: Tooele County, Utah. N 40.3814, W 112.5231.
- 10969 DW Roberts (DWR 1096). Isolated from soil sample SS 7068. 17 Jun 2008. USA: Duchesne County, Utah. N 40.2436, W 110.4634.
- 10970 DW Roberts (DWR 1097). Isolated from soil sample SS 7076. 20 Jun 2008. USA: Duchesne County, Utah. N 40.1759, W 110.4146.
- 10971 DW Roberts (DWR 1098). Isolated from soil sample SS 7079. 23 Jun 2008. USA: Rock Island, Utah. N 41.4522, W 112.2604.
- 10972 DW Roberts (DWR 1099). Isolated from soil sample SS 7087. 27 Jun 2008. USA: Piute County, Utah. N 38.43047, W 112.22482.
- 10973 DW Roberts (DWR 1100). Isolated from soil sample SS 7097. 27 Jun 2008. USA: Piute County, Utah. N 38.28139, W 112.34832.
- 10974 DW Roberts (DWR 1101). Isolated from soil sample SS 7099. 27 Jun 2008. USA: Piute County, Utah. N 38.46293, W 112.23794.
- 10975 DW Roberts (DWR 1102). Isolated from soil sample SS 7101. 27 Jun 2008. USA: Garfield County, Utah. N 38.0381, W 112.29984.
- 10976 DW Roberts (DWR 1103). Isolated from soil sample SS 7106. 27 Jun 2008. USA: Piute County, Utah. N 38.24511, W 112.37793.
- 10977 DW Roberts (DWR 1104). Isolated from soil sample SS 6915. 9 Jul 2008. USA: San Juan County, Utah. N 38.1451, W 109.2256.
- 10978 DW Roberts (DWR 1105). Isolated from soil sample SS 6918. 10 Jul 2008. USA: Wasatch County, Utah. N 40.415, W 111.4422.
- 10979 DW Roberts (DWR 1106). Isolated from soil sample SS 6919. 10 Jul 2008. USA: Sanpete County, Utah. N 39.4308, W 111.4537.
- 10980 DW Roberts (DWR 1107). Isolated from soil sample SS 6925. 10 Jul 2008. USA: San Juan County, Utah. N 37.1755, W 109.2756.
- 10981 DW Roberts (DWR 1108). Isolated from soil sample SS 6926. 14 Jul 2008. USA: Duchesne County, Utah. N 40.5548, W 110.4439.
- 10982 DW Roberts (DWR 1109). Isolated from soil sample SS 6927. Jul 2008. USA: Rich County, Utah. N 41.4219, W 111.1026.
- 10983 DW Roberts (DWR 1110). Isolated from soil sample SS 6929. Jul 2008. USA: Rich County, Utah. N 41.4804, W 111.1437.
- 10984 DW Roberts (DWR 1111). Isolated from soil sample SS 6930. Jul 2008. USA: Morgan County, Utah. N 41.3656, W 111.3818.
- 10985 DW Roberts (DWR 1112). Isolated from soil sample SS 6933. 16 Jul 2008. USA: Box Elder County, Utah. N 41.3115, W 113.3549.
- 10986 DW Roberts (DWR 1113). Isolated from soil sample SS 6935. 16 Jul 2008. USA: Box Elder County, Utah. N 41.4322, W 112.4701.
- 10988 DW Roberts (DWR 1115). Isolated from soil sample SS 6941. 17 Jul 2008. USA: Box Elder County, Utah. N 41.4343, W 113.3124.
- 10989 DW Roberts (DWR 1116). Isolated from soil sample SS 6946. 17 Jul 2008. USA: Box Elder County, Utah. N 41.5756, W 113.011.
- 10990 DW Roberts (DWR 1117). Isolated from soil sample SS 6950. 23 Jul 2008. USA: Grand County, Utah. N 39.4302, W 109.2916.
- 10991 DW Roberts (DWR 1118). Isolated from soil sample SS 6951. 23 Jul 2008. USA: Grand County, Utah. N 39.4246, W 109.1634.
- 10992 DW Roberts (DWR 1119). Isolated from soil sample SS 6953. 23 Jul 2008. USA: Uintah County, Utah. N 39.5235, W 109.0628.
- 10993 DW Roberts (DWR 1120). Isolated from soil sample SS 6955. 23 Jul 2008. USA: Grand County, Utah. N 39.2713, W 109.095.
- 10994 DW Roberts (DWR 1121). Isolated from soil sample SS 6958. 30 Jul 2008. USA: Uintah County, Utah. N 40.5438, W 109.4119.
- 10995 DW Roberts (DWR 1122). Isolated from soil sample SS 6964. 31 Jul 2008. USA: Moffat County, Colorado. N 40.4948, W 109.0448.
- 10996 DW Roberts (DWR 1123). Isolated from soil sample SS 6965. 31 Jul 2008. USA: Moffat County, Colorado. N 40.5152, W 109.0404.
- 10997 DW Roberts (DWR 1124). Isolated from soil sample SS 6966. 31 Jul 2008. USA: Uintah County, Utah. N 40.1454, W 109.2526.
- 10998 DW Roberts (DWR 1125). Isolated from soil sample SS 6968. 31 Jul 2008. USA: Duchesne County, Utah. N 40.3139, W 110.4614.
- 10999 DW Roberts (DWR 1126). Isolated from soil sample SS 6972. 31 Jul 2008. USA: Uintah County, Utah. N 40.0501, W 109.1214.
- 11000 DW Roberts (DWR 1127). Isolated from soil sample SS 6973. 31 Jul 2008. USA: Uintah County, Utah. N 40.3707, W 109.0509.
- 11001 DW Roberts (DWR 1128). Isolated from soil sample SS 6974. 31 Jul 2008. USA: Uintah County, Utah. N 40.3914, W 109.145.
- 11002 DW Roberts (DWR 1129). Isolated from soil sample SS 6976. 4 Aug 2008. USA: Emery County, Utah. N 39.4804, W 111.2132.
- 11003 DW Roberts (DWR 1130). Isolated from soil sample SS 7153. 8 Jul 2008. USA: Millard County, Utah. N 39.0615, W 114.0212.

- 11004 DW Roberts (DWR 1131). Isolated from soil sample SS 7154. 9 Jul 2008. USA: Millard County, Utah. N 39.2303, W 113.5946.
- 11005 DW Roberts (DWR 1132). Isolated from soil sample SS 7157. Jul 2008. USA: Box Elder County, Utah. N 41.4145, W 113.5383.
- 11006 DW Roberts (DWR 1133). Isolated from soil sample SS 7164. 18 Jul 2008. USA: Piute County, Utah. N 38.4691, W 112.2516.
- 11007 DW Roberts (DWR 1134). Isolated from soil sample SS 7169. 18 Jul 2008. USA: Sevier County, Utah. N 38.5297, W 112.2016.
- 11008 DW Roberts (DWR 1135). Isolated from soil sample SS 7287. 25 Jul 2008. USA: Sevier County, Utah. N 38.5131, W 112.2508.
- 11009 DW Roberts (DWR 1136). Isolated from soil sample SS 7290. 25 Jul 2008. USA: Piute County, Utah. N 38.1601, W 112.2859.
- 11010 DW Roberts (DWR 1137). Isolated from soil sample SS 7305. 10 Jun 2008. USA: Washington County, Utah. N 37.1321, W 113.4638.
- 11011 DW Roberts (DWR 1138). Isolated from soil sample SS 7307. 10 Jun 2008. USA: Washington County, Utah. N 37.0736, W 113.3458.
- 11012 DW Roberts (DWR 1139). Isolated from soil sample SS 7308. 10 Jun 2008. USA: Washington County, Utah. N 37.1732, W 113.4508.
- 11013 DW Roberts (DWR 1140). Isolated from soil sample SS 7313. 10 Jun 2008. USA: Washington County, Utah. N 37.0945, W 113.4703.
- 11014 DW Roberts (DWR 1141). Isolated from soil sample SS 7329. 11 Jun 2008. USA: Washington County, Utah. N 37.094, W 113.0203.
- 11015 DW Roberts (DWR 1142). Isolated from soil sample SS 7289. 25 Jul 2008. USA: Piute County, Utah. N 38.4629, W 112.3128.
- 11016 DW Roberts (DWR 1143). Isolated from soil sample SS 7331, colony 1. 11 Jun 2008. USA: Kane County, Utah. N 37, W 112.5955.
- 11017 DW Roberts (DWR 1144). Isolated from soil sample SS 7331, colony 2. 11 Jun 2008. USA: Kane County, Utah. N 37, W 112.5955.
- 11018 DW Roberts (DWR 1167). Isolated from soil sample SS 7704. 17 Jul 2008. USA: San Juan County, Utah. N 37.1957, W 109.1011.
- 11019 DW Roberts (DWR 1168). Isolated from soil sample SS 7709. 17 Jul 2008. USA: Montezuma County, Colorado. N 37.4919, W 109.0347.
- 11020 DW Roberts (DWR 1169). Isolated from soil sample SS 7714. 17 Jul 2008. USA: San Juan County, Utah. N 37.0447, W 109.325.
- 11021 DW Roberts (DWR 1170). Isolated from soil sample SS 7717. 18 Jul 2008. USA: Millard County, Utah. N 39.2114, W 112.2553.
- 11022 DW Roberts (DWR 1171). Isolated from soil sample SS 7726. 14 Aug 2008. USA: Albany County, Wyoming. N 42.274842, W 105.50559.
- 11023 DW Roberts (DWR 1172). Isolated from soil sample SS 7740. 20 Aug 2008. USA: Big Horn County, Wyoming. N 44.583953, W 107.5352.
- 11024 DW Roberts (DWR 1173). Isolated from soil sample SS 7747. 20 Aug 2008. USA: Washakie County, Wyoming. N 43.955574, W 108.01491.
- 11025 DW Roberts (DWR 1174). Isolated from soil sample SS 8134. 7 Aug 2008. USA: Garfield County, Montana.
- 11026 DW Roberts (DWR 1175). Isolated from soil sample SS 8156. 27 Aug 2008. USA: Cherry County, Nebraska. N 42.833708, W 101.54122.
- 11027 DW Roberts (DWR 1176). Isolated from soil sample SS 8180. 2 Sep 2008. USA: Cherry County, Nebraska. N 42.407126, W 101.96534.
- 11028 DW Roberts (DWR 1177). Isolated from soil sample SS 8181. 2 Sep 2008. USA: Cherry County, Nebraska. N 42.392988, W 101.86405.
- 11029 DW Roberts (DWR 1178). Isolated from soil sample SS 8183. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.542972, W 101.81068.
- 11030 DW Roberts (DWR 1179). Isolated from soil sample SS 8184. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.556102, W 101.88454.
- 11031 DW Roberts (DWR 1185). Isolated from soil sample SS 8031. 28 Jul 2008. USA: Montana.
- 11032 DW Roberts (DWR 1186). Isolated from soil sample SS 8033. 28 Jul 2008. USA: Montana.
- 11033 DW Roberts (DWR 1187). Isolated from soil sample SS 8044. 4 Aug 2008. USA: Montana.
- 11034 DW Roberts (DWR 1188). Isolated from soil sample SS 8047. 6 Aug 2008. USA: Montana.
- 11035 DW Roberts (DWR 1189). Isolated from soil sample SS 8048. 12 Aug 2008. USA: Montana.
- 11036 DW Roberts (DWR 1190). Isolated from soil sample SS 8190. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.803546, W 101.92228.
- 11037 DW Roberts (DWR 1191). Isolated from soil sample SS 8191. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.921198, W 101.4544.
- 11038 DW Roberts (DWR 1192). Isolated from soil sample SS 8193. 25 Aug 2008. USA: Cherry County, Nebraska. N 42.879186, W 101.86275.
- 11039 DW Roberts (DWR 1193). Isolated from soil sample SS 8194. 26 Aug 2008. USA: Cherry County, Nebraska. N 42.926168, W 101.76368.
- 11040 DW Roberts (DWR 1194). Isolated from soil sample SS 8196. 26 Aug 2008. USA: Cherry County, Nebraska. N 42.961748, W 101.62368.
- 11041 DW Roberts (DWR 1195). Isolated from soil sample SS 8197. 26 Aug 2008. USA: Cherry County, Nebraska. N 42.936606, W 101.6383.

- 11042 DW Roberts (DWR 1197). Isolated from soil sample SS 8210. 27 Aug 2008. USA: Cherry County, Nebraska. N 42.50924, W 101.37495.
- 11043 DW Roberts (DWR 1198). Isolated from soil sample SS 8211. 27 Aug 2008. USA: Cherry County, Nebraska. N 42.597543, W 101.27849.
- 11044 DW Roberts (DWR 1199). Isolated from soil sample SS 8216. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.884978, W 101.04385.
- 11045 DW Roberts (DWR 1200). Isolated from soil sample SS 8217. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.93163, W 101.05241.
- 11046 DW Roberts (DWR 1201). Isolated from soil sample SS 8224. 6 Aug 2008. USA: Hooker County, Nebraska. N 42.005648, W 101.00252.
- 11047 DW Roberts (DWR 1202). Isolated from soil sample SS 8227. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.831542, W 101.03613.
- 11048 DW Roberts (DWR 1203). Isolated from soil sample SS 8232. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.842936, W 101.40832.
- 11049 DW Roberts (DWR 1204). Isolated from soil sample SS 7007. May 2008. USA: Box Elder County, Utah. N 41.4735, W 113.5545.
- 11051 DW Roberts (DWR 1206). Isolated from soil sample SS 7498. 28 Jul 2008. USA: Sevier County, Utah. N 38.5408, W 111.5746.
- 11052 DW Roberts (DWR 1207). Isolated from soil sample SS 7775. 20 Aug 2008. USA: Platte County, Wyoming. N 41.929569, W 104.93745.
- 11055 DW Roberts (DWR 1210). Isolated from soil sample SS 7815. 26 Aug 2008. USA: Park County, Wyoming. N 44.422581, W 109.20904.
- 11056 DW Roberts (DWR 1211). Isolated from soil sample SS 7987. 25 Jul 2008. USA: Montana.
- 11057 DW Roberts (DWR 1212). Isolated from soil sample SS 7990. 30 Jul 2008. USA: Montana.
- 11058 DW Roberts (DWR 1213). Isolated from soil sample SS 7992. 30 Jul 2008. USA: Montana.
- 11059 DW Roberts (DWR 1214). Isolated from soil sample SS 7996. 9 Jul 2008. USA: Montana.
- 11060 DW Roberts (DWR 1216). Isolated from soil sample SS 8004. 31 Jul 2008. USA: Park County, Montana.
- 11061 DW Roberts (DWR 1217). Isolated from soil sample SS 8007. 5 Aug 2008. USA: Missoula County, Montana.
- 11062 DW Roberts (DWR 1218). Isolated from soil sample SS 8009. 29 Jul 2008. USA: Stillwater County, Montana.
- 11063 DW Roberts (DWR 1219). Isolated from soil sample SS 8015. 9 Jul 2008. USA: Fergus County, Montana. N 46.8575, W 108.978.
- 11064 DW Roberts (DWR 1220). Isolated from soil sample SS 8018. Jul 2008. USA: Golden Valley County, Montana. N 46.5858, W 109.2624.
- 11065 DW Roberts (DWR 1221). Isolated from soil sample SS 8022. 16 Jul 2008. USA: Golden Valley County, Montana. N 47.20932, W 109.19063.
- 11066 DW Roberts (DWR 1222). Isolated from soil sample SS 8026. 28 Jul 2008. USA: Montana.
- 11069 DW Roberts (DWR 1225). Isolated from soil sample SS 8055. Jul 2008. USA: Powder River County, Montana.
- 11070 DW Roberts (DWR 1226). Isolated from soil sample SS 8059. Jul 2008. USA: Powder River County, Montana.
- 11071 DW Roberts (DWR 1227). Isolated from soil sample SS 8060. Jul 2008. USA: Powder River County, Montana.
- 11072 DW Roberts (DWR 1228). Isolated from soil sample SS 8061. Jul 2008. USA: Musselshell County, Montana. N 46.2435, W 108.6204.
- 11073 DW Roberts (DWR 1229). Isolated from soil sample SS 8064. 16 Jul 2008. USA: Powder River County, Montana.
- 11075 DW Roberts (DWR 1231). Isolated from soil sample SS 8217. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.93163, W 101.05241.
- 11076 DW Roberts (DWR 1232). Isolated from soil sample SS 8239. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.759492, W 101.26943.
- 11077 DW Roberts (DWR 1233). Isolated from soil sample SS 8242. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.570262, W 101.38229.
- 11078 DW Roberts (DWR 1234). Isolated from soil sample SS 8274. 18 Aug 2008. USA: Arthur County, Nebraska. N 41.718988, W 101.46193.
- 11079 DW Roberts (DWR 1235). Isolated from soil sample SS 8275. 18 Aug 2008. USA: Arthur County, Nebraska. N 41.680385, W 101.44429.
- 11080 DW Roberts (DWR 1236). Isolated from soil sample SS 8281. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.668153, W 100.857.
- 11081 DW Roberts (DWR 1237). Isolated from soil sample SS 8282. Aug 2008. USA: McPherson County, Nebraska. N 41.719346, W 101.36375.
- 11082 DW Roberts (DWR 1238). Isolated from soil sample SS 8285. 20 Aug 2008. USA: Arthur County, Nebraska. N 41.557188, W 101.57101.
- 11083 DW Roberts (DWR 1257). Isolated from soil sample SS 8856. 9 Jun 2008. USA: Bent County, Colorado. N 37.687508, W 102.90237.
- 11084 DW Roberts (DWR 1258). Isolated from soil sample SS 8896. 11 Jul 2008. USA: Cheyenne County, Colorado. N 38.697155, W 102.25783.
- 11085 DW Roberts (DWR 1259). Isolated from soil sample SS 8907. 7 Jun 2008. USA: Prowers County, Colorado. N 38.092246, W 102.50354.
- 11086 DW Roberts (DWR 1260). Isolated from soil sample SS 8961. 5 Jul 2008. USA: Baca County, Colorado. N 37.250735, W 102.31337.

- 11088 DW Roberts (DWR 1262). Isolated from soil sample SS 8982. 30 Jun 2008. USA: Kit Carson County, Colorado. N 39.3373, W 102.26022.
- 11089 DW Roberts (DWR 1263). Isolated from soil sample SS 9007. 30 Jun 2008. USA: Yuma County, Colorado. N 40.380813, W 102.47325.
- 11090 DW Roberts (DWR 1264). Isolated from soil sample SS 9014. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.540958, W 102.52868.
- 11091 DW Roberts (DWR 1265). Isolated from soil sample SS 9037. 23 Jun 2008. USA: Cheyenne County, Colorado. N 38.762053, W 102.3322.
- 11092 DW Roberts (DWR 1266). Isolated from soil sample SS 9057. 10 Jun 2008. USA: Cheyenne County, Colorado. N 38.720766, W 102.78011.
- 11093 DW Roberts (DWR 1267). Isolated from soil sample SS 9227. 20 May 2008. USA: Lincoln County, Colorado. N 38.539851, W 103.17315.
- 11094 DW Roberts (DWR 1268). Isolated from soil sample SS 9236. 20 May 2008. USA: Kiowa County, Colorado. N 38.527758, W 102.85993.
- 11095 DW Roberts (DWR 1269). Isolated from soil sample SS 9308. 13 Jul 2008. USA: Moffat County, Colorado. N 40.84402, W 107.48035.
- 11096 DW Roberts (DWR 1270). Isolated from soil sample SS 11262. 24 Apr 2009. USA: Graham County, Arizona. N 33.19384, W 109.86892.
- 11097 DW Roberts (DWR 1271). Isolated from soil sample SS 11266. 24 Apr 2009. USA: Graham County, Arizona. N 33.19435, W 109.86784.
- 11098 DW Roberts (DWR 1272). Isolated from soil sample SS 11267. 24 Apr 2009. USA: Graham County, Arizona. N 33.19248, W 109.87383.
- 11099 DW Roberts (DWR 1273). Isolated from soil sample SS 11269. 24 Apr 2009. USA: Graham County, Arizona. N 33.19168, W 109.87527.
- 11100 DW Roberts (DWR 1274). Isolated from soil sample SS 11273. 24 Apr 2009. USA: Graham County, Arizona. N 33.19334, W 109.872.
- 11101 DW Roberts (DWR 1275). Isolated from soil sample SS 11275. 24 Apr 2009. USA: Graham County, Arizona. N 33.19495, W 109.87125.
- 11102 DW Roberts (DWR 1276). Isolated from soil sample SS 11277. 24 Apr 2009. USA: Graham County, Arizona. N 33.193, W 109.87223.
- 11103 DW Roberts (DWR 1277). Isolated from soil sample SS 11366. 18 May 2009. USA: Lamb County, Texas. N 33.91115, W 102.57365.
- 11104 DW Roberts (DWR 1278). Isolated from soil sample SS 11372. 19 May 2009. USA: Terry County, Texas. N 33.26923, W 102.51651.
- 11106 DW Roberts (DWR 1298). Isolated from soil sample SS 9338. 1 Jun 2008. USA: Kiowa County, Colorado. N 38.44999, W 102.83335.
- 11107 DW Roberts (DWR 1299). Isolated from soil sample SS 9101. 1 Jul 2008. USA: San Juan County, Colorado. N 37.8338, W 107.60068.
- 11108 DW Roberts (DWR 1300). Isolated from soil sample SS 8931. 2 Jun 2008. USA: Baca County, Colorado. N 37.381371, W 102.77804.
- 11109 DW Roberts (DWR 1301). Isolated from soil sample SS 8948. 5 Jul 2008. USA: Baca County, Colorado. N 37.149276, W 102.11788.
- 11111 DW Roberts (DWR 1303). Isolated from soil sample SS 8983. 30 Jun 2008. USA: Kit Carson County, Colorado. N 39.412156, W 102.25908.
- 11112 DW Roberts (DWR 1304). Isolated from soil sample SS 8986. 30 Jun 2008. USA: Kit Carson County, Colorado. N 39.5725, W 102.18479.
- 11114 DW Roberts (DWR 1306). Isolated from soil sample SS 9017. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.600603, W 102.26955.
- 11115 DW Roberts (DWR 1307). Isolated from soil sample SS 9041. 10 Jun 2008. USA: Kiowa County, Colorado. N 38.549601, W 103.02541.
- 11116 DW Roberts (DWR 1308). Isolated from soil sample SS 9228. 20 May 2008. USA: Kiowa County, Colorado. N 38.613008, W 103.14424.
- 11117 DW Roberts (DWR 1309). Isolated from soil sample SS 9396. 5 Aug 2008. USA: Jackson County, Colorado. N 40.593288, W 106.00606.
- 11118 DW Roberts (DWR 1311). Isolated from soil sample SS 11348. 21 May 2009. USA: King County, Texas. N 33.78101, W 100.19885.
- 11119 DW Roberts (DWR 1312). Isolated from soil sample SS 11373. 19 May 2009. USA: Terry County, Texas. N 33.32707, W 102.41312.
- 11120 DW Roberts (DWR 1313). Isolated from soil sample SS 11378. 19 May 2009. USA: Yoakum County, Texas. N 33.15315, W 102.61156.
- 11121 DW Roberts (DWR 1314). Isolated from soil sample SS 9120. 8 Jul 2008. USA: Rio Blanco County, Colorado. N 39.7447, W 109.0465.
- 11122 DW Roberts (DWR 1315). Isolated from soil sample SS 9510. 10 Jul 2008. USA: Montezuma County, Colorado. N 37.302316, W 108.6412.
- 11123 DW Roberts (DWR 1316). Isolated from soil sample SS 8979. 13 Jul 2008. USA: Cheyenne County, Colorado. N 38.853608, W 102.5746.
- 11124 DW Roberts (DWR 1317). Isolated from soil sample SS 11320. 13 May 2009. USA: Briscoe County, Texas. N 34.55293, W 100.96094.
- 11125 DW Roberts (DWR 1318). Isolated from soil sample SS 11322. 13 May 2009. USA: Briscoe County, Texas. N 34.65285, W 101.44141.
- 11126 DW Roberts (DWR 1319). Isolated from soil sample SS 11311. 13 May 2009. USA: Motley County, Texas. N 34.14235, W 100.70437.

- 11127 DW Roberts (DWR 1320). Isolated from soil sample SS 11335. May 2009. USA: Garza County, Texas. N 33.21871, W 101.14133.
- 11128 DW Roberts (DWR 1321). Isolated from soil sample SS 11346. 20 May 2009. USA: Dickens County, Texas. N 33.3986, W 100.91322.
- 11129 DW Roberts (DWR 1322). Isolated from soil sample SS 11391. 29 May 2009. USA: Knox County, Texas. N 33.53485, W 99.89711.
- 11130 DW Roberts (DWR 1323). Isolated from soil sample SS 11407. 4 Jun 2009. USA: Shackelford County, Texas. N 32.90495, W 99.23851.
- 11131 DW Roberts (DWR 1328). Isolated from soil sample SS 9437. 27 Jun 2008. USA: Pueblo County, Colorado. N 38.02472, W 104.85368.
- 11132 DW Roberts (DWR 1329). Isolated from soil sample SS 9366. 2 Jul 2008. USA: Montrose County, Colorado. N 38.60498, W 107.83564.
- 11133 DW Roberts (DWR 1330). Isolated from soil sample SS 9621. 24 Jun 2008. USA: Montrose County, Colorado. N 38.26683, W 108.28009.
- 11134 DW Roberts (DWR 1331). Isolated from soil sample SS 9296. 3 Jul 2008. USA: Jackson County, Colorado. N 40.57033, W 106.28183.
- 11135 DW Roberts (DWR 1332). Isolated from soil sample SS 9387. 4 Aug 2008. USA: Jackson County, Colorado. N 40.791495, W 106.28171.
- 11136 DW Roberts (DWR 1333). Isolated from soil sample SS 9482. 2 Jul 2008. USA: La Plata County, Colorado. N 37.24936, W 107.76679.
- 11137 DW Roberts (DWR 1334). Isolated from soil sample SS 9514. 11 Jul 2008. USA: Montezuma County, Colorado. N 37.617253, W 108.40162.
- 11138 DW Roberts (DWR 1335). Isolated from soil sample SS 9618. 19 Jun 2008. USA: San Miguel County, Colorado. N 38.01796, W 108.33174.
- 11139 DW Roberts (DWR 1336). Isolated from soil sample SS 9620. 24 Jun 2008. USA: Montrose County, Colorado. N 38.304, W 108.20071.
- 11140 DW Roberts (DWR 1339). Isolated from soil sample SS 11385. 27 May 2009. USA: Foard County, Texas. N 33.99416, W 99.83844.
- 11141 DW Roberts (DWR 1340). Isolated from soil sample SS 11411. 27 May 2009. USA: Castro County, Texas. N 34.60214, W 102.32558.
- 11142 DW Roberts (DWR 1341). Isolated from soil sample SS 11416. 26 May 2009. USA: Parmer County, Texas. N 34.64846, W 102.60154.
- 11143 DW Roberts (DWR 1342). Isolated from soil sample SS 11441. 28 May 2009. USA: Scurry County, Texas. N 32.71884, W 100.75037.
- 11144 DW Roberts (DWR 1343). Isolated from soil sample SS 11431. 4 Jun 2009. USA: Nolan County, Texas. N 32.37899, W 100.1753.
- 11145 DW Roberts (DWR 1348). Isolated from soil sample SS 9626. 26 Jun 2008. USA: Montezuma County, Colorado. N 37.55948, W 108.03811.
- 11146 DW Roberts (DWR 1349). Isolated from soil sample SS 9695. 22 Jul 2008. USA: Jackson County, Colorado. N 40.94356, W 106.34774.
- 11147 DW Roberts (DWR 1350). Isolated from soil sample SS 1150. 28 Sep 2007. USA: Gila County, Arizona. N 33.0587, W 110.72032.
- 11148 DW Roberts (DWR 1351). Isolated from soil sample SS 9690. 22 Jul 2008. USA: Jackson County, Colorado. N 40.87187, W 106.29078.
- 11149 DW Roberts (DWR 1352). Isolated from soil sample SS 11674. 20 May 2009. USA: Elko County, Nevada. N 41.469018, W 116.03595.
- 11150 DW Roberts (DWR 1354). Isolated from soil sample SS 9694. 22 Jul 2008. USA: Jackson County, Colorado. N 40.99107, W 106.21288.
- 11151 DW Roberts (DWR 1357). Isolated from soil sample SS 11698, colony 1. 27 Apr 2009. USA: Eureka County, Nevada. N 39.841835, W 116.19395.
- 11152 DW Roberts (DWR 1358). Isolated from soil sample SS 11698, colony 2. 27 Apr 2009. USA: Eureka County, Nevada. N 39.841835, W 116.19395.
- 11153 DW Roberts (DWR 1359). Isolated from soil sample SS 11833. 18 Mar 2009. USA: Pershing County, Nevada. N 40.66637, W 118.07279.
- 11154 DW Roberts (DWR 1363). Isolated from soil sample SS 8390. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.996666, W 102.66832.
- 11155 DW Roberts (DWR 1364). Isolated from soil sample SS 8408. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.765838, W 102.59197.
- 11156 DW Roberts (DWR 1365). Isolated from soil sample SS 8327. 2 Jul 2008. USA: Kiowa County, Colorado. N 38.397335, W 102.3079.
- 11157 DW Roberts (DWR 1366). Isolated from soil sample SS 8320. 1 Jul 2008. USA: Yuma County, Colorado. N 39.643193, W 102.43928.
- 11158 DW Roberts (DWR 1367). Isolated from soil sample SS 8408. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.765838, W 102.59197.
- 11159 DW Roberts (DWR 1368). Isolated from soil sample SS 8395. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.813191, W 102.57437.
- 11160 DW Roberts (DWR 1369). Isolated from soil sample SS 8403. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.898251, W 102.38876.
- 11161 DW Roberts (DWR 1370). Isolated from soil sample SS 8390. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.996666, W 102.66832.
- 11162 DW Roberts (DWR 1371). Isolated from soil sample SS 8317. 1 Jul 2008. USA: Yuma County, Colorado. N 39.70292, W 102.24919.

- 11163 DW Roberts (DWR 1372). Isolated from soil sample SS 8326. 2 Jul 2008. USA: Kiowa County, Colorado. N 38.462816, W 102.32058.
- 11164 DW Roberts (DWR 1373). Isolated from soil sample SS 8458. 13 Jul 2008. USA: Bent County, Colorado. N 38.085038, W 103.22506.
- 11165 DW Roberts (DWR 1400). Isolated from soil sample SS 8590. 29 Jun 2008. USA: Cheyenne County, Colorado. N 38.740283, W 102.089948.
- 11166 DW Roberts (DWR 1401). Isolated from soil sample SS 8592. 30 Jun 2008. USA: Cheyenne County, Colorado. N 39.01625, W 102.279193.
- 11167 DW Roberts (DWR 1402). Isolated from soil sample SS 11488. 12 May 2009. USA: Duchesne County, Utah. N 40.1531, W 110.0112.
- 11168 DW Roberts (DWR 1403). Isolated from soil sample SS 8314. 1 Jul 2008. USA: Yuma County, Colorado. N 39.926986, W 102.241988.
- 11169 DW Roberts (DWR 1404). Isolated from soil sample SS 8374. 3 Jun 2008. USA: Baca County, Colorado. N 37.018191, W 102.436013.
- 11170 DW Roberts (DWR 1405). Isolated from soil sample SS 8391. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.939455, W 102.649135.
- 11171 DW Roberts (DWR 1406). Isolated from soil sample SS 8407. 18 Jun 2008. USA: Cheyenne County, Colorado. N 38.86137, W 102.537515.
- 11172 DW Roberts (DWR 1423). Isolated from soil sample SS 11988. 9 Jun 2009. USA: Piute County, Utah. N 38.4438, W 112.1308.
- 11173 DW Roberts (DWR 1424). Isolated from soil sample SS 8779. 10 Jul 2008. USA: Costilla County, Colorado. N 37.610478, W 105.225911.
- 11174 DW Roberts (DWR 1425). Isolated from soil sample SS 9955. 26 Aug 2008. USA: Finney County, Kansas. N 38.05913, W 100.40411.
- 11175 DW Roberts (DWR 1426). Isolated from soil sample SS 8535. 7 Jul 2008. USA: Kiowa County, Colorado. N 38.492468, W 102.216798.
- 11176 DW Roberts (DWR 1427). Isolated from soil sample SS 8418. 3 Jun 2008. USA: Baca County, Colorado. N 37.418545, W 102.765126.
- 11177 DW Roberts (DWR 1428). Isolated from soil sample SS 10326. 29 Jul 2008. USA: Kearny County, Kansas. N 37.953923, W 101.1569383.
- 11178 DW Roberts (DWR 1429). Isolated from soil sample SS 8644. 2 Jul 2008. USA: Las Animas County, Colorado. N 37.016103, W 103.82723.
- 11179 DW Roberts (DWR 1430). Isolated from soil sample SS 8553. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.39707, W 102.96961.
- 11180 DW Roberts (DWR 1431). Isolated from soil sample SS 8562. 19 Jun 2008. USA: Cheyenne County, Colorado. N 38.952781, W 102.796461.
- 11181 DW Roberts (DWR 1432). Isolated from soil sample SS 8575. 29 Jun 2008. USA: Kiowa County, Colorado. N 38.397423, W 102.436726.
- 11182 DW Roberts (DWR 1433). Isolated from soil sample SS 8478. 12 Jul 2008. USA: Kiowa County, Colorado. N 38.384478, W 102.913818.
- 11183 DW Roberts (DWR 1434). Isolated from soil sample SS 8552. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.367725, W 102.987363.
- 11184 DW Roberts (DWR 1435). Isolated from soil sample SS 8673. 4 Jun 2008. USA: Baca County, Colorado. N 37.557156, W 102.631976.
- 11185 DW Roberts (DWR 1436). Isolated from soil sample SS 8698. 24 Jun 2008. USA: Las Animas County, Colorado. N 37.386477, W 104.238425.
- 11187 DW Roberts (DWR 1438). Isolated from soil sample SS 9825. 10 Oct 2008. USA: Box Elder County, Utah. N 41.55428, W 113.26896.
- 11188 DW Roberts (DWR 1439). Isolated from soil sample SS 9895. 14 Oct 2008. USA: Holt County, Nebraska.
- 11189 DW Roberts (DWR 1440). Isolated from soil sample SS 10054. 7 Aug 2008. USA: Phillips County, Kansas. N 39.988225, W 99.089653.
- 11190 DW Roberts (DWR 1441). Isolated from soil sample SS 10136. 4 Aug 2008. USA: Decatur County, Kansas. N 39.770165, W 100.5156816.
- 11191 DW Roberts (DWR 1442). Isolated from soil sample SS 10139. 4 Aug 2008. USA: Decatur County, Kansas. N 39.632922, W 100.72246.
- 11192 DW Roberts (DWR 1443). Isolated from soil sample SS 10188. 22 Jul 2008. USA: Barber County, Kansas. N 37.145378, W 98.67418.
- 11193 DW Roberts (DWR 1444). Isolated from soil sample SS 10387. 4 Aug 2008. USA: Rawlins County, Kansas. N 39.872905, W 101.149005.
- 11194 DW Roberts (DWR 1445). Isolated from soil sample SS 10788. 5 Aug 2008. USA: Elko County, Nevada. N 41.124728, W 114.125097.
- 11195 DW Roberts (DWR 1455). Isolated from soil sample SS 10514. 12 Aug 2008. USA: Lander County, Nevada. N 39.895445, W 117.111895.
- 11196 DW Roberts (DWR 1456). Isolated from soil sample SS 10553. 20 Aug 2008. USA: Nye County, Nevada. N 38.627545, W 117.770778.
- 11197 DW Roberts (DWR 1457). Isolated from soil sample SS 10332. 31 Jul 2008. USA: Hodgeman County, Kansas. N 38.247363, W 99.82819833.
- 11198 DW Roberts (DWR 1458). Isolated from soil sample SS 10334. 4 Aug 2008. USA: Clark County, Kansas. N 37.159618, W 99.64737.
- 11199 DW Roberts (DWR 1459). Isolated from soil sample SS 12080. 17 Jun 2009. USA: Callahan County, Texas. N 32.50322, W 99.54539.
- 11200 DW Roberts (DWR 1460). Isolated from soil sample SS 12082. 18 Jun 2009. USA: Runnels County, Texas. N 31.84836, W 100.02679.

- 11201 DW Roberts (DWR 1461). Isolated from soil sample SS 12070. 10 Jun 2009. USA: Collingsworth County, Texas. N 35.10693, W 100.52151.
- 11202 DW Roberts (DWR 1462). Isolated from soil sample SS 12066. 9 Jun 2009. USA: Wheeler County, Texas. N 35.39819, W 100.37889.
- 11203 DW Roberts (DWR 1463). Isolated from soil sample SS 12065. 9 Jun 2009. USA: Wheeler County, Texas. N 35.49702, W 100.12129.
- 11204 DW Roberts (DWR 1464). Isolated from soil sample SS 12077. 17 Jun 2009. USA: Callahan County, Texas. N 32.41948, W 99.158.
- 11205 DW Roberts (DWR 1465). Isolated from soil sample SS 12072. 10 Jun 2009. USA: Collingsworth County, Texas. N 34.88573, W 100.06611.
- 11206 DW Roberts (DWR 1466). Isolated from soil sample SS 12042. 11 Jun 2009. USA: Kane County, Utah. N 37.3723, W 111.3639.
- 11207 DW Roberts (DWR 1467). Isolated from soil sample SS 12068. 9 Jun 2009. USA: Wheeler County, Texas. N 35.32803, W 100.18532.
- 11208 DW Roberts (DWR 1476). Isolated from soil sample SS 10796. 5 Aug 2008. USA: Elko County, Nevada. N 41.170338, W 114.885062.
- 11209 DW Roberts (DWR 1477). Isolated from soil sample SS 10764. 22 Jul 2008. USA: Esmeralda County, Nevada. N 37.436782, W 117.551692.
- 11210 DW Roberts (DWR 1478). Isolated from soil sample SS 11918. 18 Mar 2009. USA: Humboldt County, Nevada. N 41.007055, W 117.735212.
- 11211 DW Roberts (DWR 1479). Isolated from soil sample SS 11775. 6 Apr 2009. USA: Elko County, Nevada. N 41.277092, W 116.11203.
- 11212 DW Roberts (DWR 1480). Isolated from soil sample SS 12114. Jun 2009. USA: Randall County, Texas. N 34.80714, W 101.70441.
- 11213 DW Roberts (DWR 1481). Isolated from soil sample SS 12115. Jun 2009. USA: Potter County, Texas. N 35.57323, W 101.95019.
- 11214 DW Roberts (DWR 1482). Isolated from soil sample SS 12119. 16 Jun 2009. USA: Crockett County, Texas. N 31.01011, W 101.16763.
- 11215 DW Roberts (DWR 1483). Isolated from soil sample SS 12122. 16 Jun 2009. USA: Crockett County, Texas. N 30.94472, W 101.46172.
- 11216 DW Roberts (DWR 1484). Isolated from soil sample SS 12351. 29 Jun 2009. USA: San Juan County, Utah. N 37.5031, W 110.4027.
- 11217 DW Roberts (DWR 1485). Isolated from soil sample SS 12558. 17 Jul 2009. USA: Cochise County, Arizona. N 31.75044, W 109.35887.
- 11218 DW Roberts (DWR 1486). Isolated from soil sample SS 13817. 10 Jun 2009. USA: Logan County, Colorado. N 40.847525, W 103.407428.
- 11219 DW Roberts (DWR 1487). Isolated from soil sample SS 13818. 10 Jun 2009. USA: Logan County, Colorado. N 40.702351, W 103.306841.
- 11220 DW Roberts (DWR 1488). Isolated from soil sample SS 13821. 10 Jun 2009. USA: Logan County, Colorado. N 40.793011, W 103.516806.
- 11221 DW Roberts (DWR 1492). Isolated from soil sample SS 12131. 16 Jun 2009. USA: Moore County, Texas. N 35.69076, W 102.05242.
- 11222 DW Roberts (DWR 1493). Isolated from soil sample SS 12822. 17 Jul 2009. USA: Gila County, Arizona. N 33.576428, W 110.163593.
- 11223 DW Roberts (DWR 1494). Isolated from soil sample SS 12051. 11 Jun 2009. USA: Kane County, Utah. N 37.3339, W 111.3756.
- 11224 DW Roberts (DWR 1495). Isolated from soil sample SS 12063. 8 Jun 2009. USA: Childress County, Texas. N 34.41707, W 100.22907.
- 11225 DW Roberts (DWR 1496). Isolated from soil sample SS 12685. Jul 2009. USA: Iron County, Utah. N 38.0833, W 113.5801.
- 11226 DW Roberts (DWR 1497). Isolated from soil sample SS 12939. 20 Jul 2009. USA: Millard County, Utah. N 39.3211, W 112.1624.
- 11227 DW Roberts (DWR 1498). Isolated from soil sample SS 12183. 26 May 2009. USA: Elko County, Nevada. N 41.118503, W 115.861508.
- 11228 DW Roberts (DWR 1499). Isolated from soil sample SS 12203. 16 Jun 2009. USA: Elko County, Nevada. N 41.827582, W 115.997127.
- 11229 DW Roberts (DWR 1500). Isolated from soil sample SS 12211. 17 Jun 2009. USA: Elko County, Nevada. N 41.91063, W 115.44952.
- 11230 DW Roberts (DWR 1501). Isolated from soil sample SS 12450. 7 Jul 2009. USA: San Juan County, Utah. N 38.0215, W 109.2458.
- 11231 DW Roberts (DWR 1502). Isolated from soil sample SS 12873. 7 Jul 2009. USA: Mohave County, Arizona. N 36.289238, W 113.064198.
- 11232 DW Roberts (DWR 1503). Isolated from soil sample SS 12877. 7 Jul 2009. USA: Mohave County, Arizona. N 36.752473, W 113.549073.
- 11233 DW Roberts (DWR 1504). Isolated from soil sample SS 12889. 17 Jul 2009. USA: Graham County, Arizona. N 33.453457, W 109.871571.
- 11234 DW Roberts (DWR 1505). Isolated from soil sample SS 12901. 8 Jul 2009. USA: Graham County, Arizona. N 33.423351, W 109.750172.
- 11235 DW Roberts (DWR 1508). Isolated from soil sample SS 12311. 18 Jun 2009. USA: Beaver County, Utah. N 38.5548, W 114.0456.
- 11236 DW Roberts (DWR 1509). Isolated from soil sample SS 12526. 9 Jul 2009. USA: San Juan County, Utah. N 37.5211, W 109.14590000.

- 11237 DW Roberts (DWR 1510). Isolated from soil sample SS 12579. 1 Jul 2009. USA: Martin County, Texas. N 32.22354, W 102.08802.
- 11238 DW Roberts (DWR 1511). Isolated from soil sample SS 12850. 17 Jul 2009. USA: Graham County, Arizona. N 33.434782, W 109.827193.
- 11239 DW Roberts (DWR 1512). Isolated from soil sample SS 12886. 17 Jul 2009. USA: Graham County, Arizona. N 33.290792, W 109.908619.
- 11240 DW Roberts (DWR 1513). Isolated from soil sample SS 13792. 9 Jun 2009. USA: Weld County, Colorado. N 40.716201, W 103.859375.
- 11241 DW Roberts (DWR 1514). Isolated from soil sample SS 12925. Jul 2009. USA: Mohave County, Arizona. N 36.694467, W 113.770869.
- 11242 DW Roberts (DWR 1515). Isolated from soil sample SS 13681. 29 Jul 2009. USA: Kane County, Utah. N 37.1728, W 112.265.
- 11243 DW Roberts (DWR 1521). Isolated from soil sample SS 13919. 12 Jun 2009. USA: Logan County, Colorado. N 40.677815, W 103.107483.
- 11244 DW Roberts (DWR 1522). Isolated from soil sample SS 13950. 4 Jun 2009. USA: Morgan County, Colorado. N 40.07486, W 103.514446.
- 11245 DW Roberts (DWR 1523). Isolated from soil sample SS 13131. 22 Jun 2009. USA: Weld County, Colorado. N 40.710246, W 104.905976.
- 11246 DW Roberts (DWR 1524). Isolated from soil sample SS 13519. 14 Jul 2009. USA: Power County, Idaho. N 42.613883, W 113.14522.
- 11247 DW Roberts (DWR 1525). Isolated from soil sample SS 13548. 16 Jul 2009. USA: Clark County, Idaho. N 44.298582, W 112.43086.
- 11248 DW Roberts (DWR 1526). Isolated from soil sample SS 13594. 23 Jul 2009. USA: Teton County, Idaho. N 43.897682, W 111.538743.
- 11249 DW Roberts (DWR 1529). Isolated from soil sample SS 13609. 24 Jul 2009. USA: Cassia County, Idaho. N 42.27894, W 113.8089.
- 11250 DW Roberts (DWR 1530). Isolated from soil sample SS 13634. 30 Jul 2009. USA: Jefferson County, Idaho. N 43.957491, W 112.682685.
- 11251 DW Roberts (DWR 1531). Isolated from soil sample SS 13746. 27 May 2009. USA: Washington County, Colorado. N 39.710556, W 103.318616.
- 11252 DW Roberts (DWR 1532). Isolated from soil sample SS 13763. 28 May 2009. USA: Washington County, Colorado. N 39.711976, W 103.12271.
- 11253 DW Roberts (DWR 1533). Isolated from soil sample SS 13964. 16 Jun 2009. USA: Logan County, Colorado. N 40.838093, W 102.86977.
- 11254 DW Roberts (DWR 1534). Isolated from soil sample SS 13985. 19 May 2009. USA: Washington County, Colorado. N 39.566743, W 103.65051.
- 11255 DW Roberts (DWR 1535). Isolated from soil sample SS 12799. 14 Jul 2009. USA: Mohave County, Arizona. N 36.284037, W 113.06888.
- 11256 DW Roberts (DWR 1536). Isolated from soil sample SS 13047. 19 Jul 2009. USA: Rich County, Utah. N 41.4205, W 111.1522.
- 11257 DW Roberts (DWR 1537). Isolated from soil sample SS 13099. 29 Jul 2009. USA: Grand County, Utah. N 39.2506, W 109.0925.
- 11258 DW Roberts (DWR 1538). Isolated from soil sample SS 14374. 4 Aug 2009. USA: Elko County, Nevada. N 41.856683, W 115.41202.
- 11259 DW Roberts (DWR 1539). Isolated from soil sample SS 13174. 22 Jun 2009. USA: Arapahoe County, Colorado. N 39.653608, W 104.15375.
- 11260 DW Roberts (DWR 1549). Isolated from soil sample SS 15014. 23 Jun 2009. USA: Bent County, Colorado. N 37.997661, W 102.77725.
- 11261 DW Roberts (DWR 1550). Isolated from soil sample SS 13988. 19 May 2009. USA: Washington County, Colorado. N 39.56656, W 103.31837.
- 11262 DW Roberts (DWR 1551). Isolated from soil sample SS 13997. 27 May 2009. USA: Yuma County, Colorado. N 39.85882, W 102.6334.
- 11263 DW Roberts (DWR 1552). Isolated from soil sample SS 14568. 21 Jun 2009. USA: La Plata County, Colorado. N 37.169325, W 107.66886.
- 11264 DW Roberts (DWR 1558). Isolated from soil sample SS 16144. 6 Aug 2009. USA: Judith Basin County, Montana. N 47.21421, W 110.03356.
- 11265 DW Roberts (DWR 1559). Isolated from soil sample SS 16145. 6 Aug 2009. USA: Judith Basin County, Montana. N 47.08446, W 109.8465.
- 11266 DW Roberts (DWR 1560). Isolated from soil sample SS 16164. 14 Jul 2009. USA: Dawson County, Montana. N 47.625151, W 105.00048.
- 11267 DW Roberts (DWR 1561). Isolated from soil sample SS 16051. 4 Aug 2009. USA: Blaine County, Montana. N 48.749288, W 108.49255.
- 11268 DW Roberts (DWR 1562). Isolated from soil sample SS 14775. 14 Jul 2009. USA: Moffat County, Colorado. N 40.979623, W 107.7204.
- 11269 DW Roberts (DWR 1563). Isolated from soil sample SS 12625. 22 Jun 2009. USA: Hartley County, Texas. N 35.71809, W 102.83618.
- 11270 DW Roberts (DWR 1564). Isolated from soil sample SS 16210. 14 Jul 2009. USA: Cascade County, Montana. N 47.322761, W 110.97031.
- 11271 DW Roberts (DWR 1565). Isolated from soil sample SS 16055. 3 Aug 2009. USA: Blaine County, Montana. N 48.025496, W 108.48635.
- 11272 DW Roberts (DWR 1566). Isolated from soil sample SS 16312. 12 Aug 2009. USA: Granite County, Montana. N 46.55597, W 113.29118.

- 11273 DW Roberts (DWR 1567). Isolated from soil sample SS 16220. 20 Jul 2009. USA: Madison County, Montana. N 45.237677, W 111.80864.
- 11274 DW Roberts (DWR 1568). Isolated from soil sample SS 16228. 22 Jul 2009. USA: Madison County, Montana. N 45.611196, W 112.50506.
- 11275 DW Roberts (DWR 1569). Isolated from soil sample SS 16318. 5 Aug 2009. USA: Powell County, Montana. N 46.28027, W 112.86974.
- 11276 DW Roberts (DWR 1570). Isolated from soil sample SS 16035. Jul 2009. USA: Big Horn County, Montana. N 45.528286, W 107.24025.
- 11277 DW Roberts (DWR 1571). Isolated from soil sample SS 16031. 13 Aug 2009. USA: Big Horn County, Montana. N 45.36713, W 107.65037.
- 11278 DW Roberts (DWR 1572). Isolated from soil sample SS 14020. Jun 2009. USA: Adams County, Colorado. N 39.898498, W 104.00014.
- 11279 DW Roberts (DWR 1573). Isolated from soil sample SS 14852. 5 Jun 2009. USA: Montezuma County, Colorado. N 37.322558, W 108.33483.
- 11280 DW Roberts (DWR 1574). Isolated from soil sample SS 12628. 22 Jun 2009. USA: Dallam County, Texas. N 36.45094, W 102.24559.
- 11281 DW Roberts (DWR 1575). Isolated from soil sample SS 12622. 26 Jun 2009. USA: Upton County, Texas. N 31.34226, W 101.82915.
- 11282 DW Roberts (DWR 1576). Isolated from soil sample SS 14008. 8 Jun 2009. USA: El Paso County, Colorado. N 38.594071, W 104.27408.
- 11283 DW Roberts (DWR 1577). Isolated from soil sample SS 14033. 22 Jun 2009. USA: Elbert County, Colorado. N 39.498288, W 104.2075.
- 11284 DW Roberts (DWR 1578). Isolated from soil sample SS 14753. 3 Jul 2009. USA: Montezuma County, Colorado. N 37.500765, W 108.79988.
- 11285 DW Roberts (DWR 1579). Isolated from soil sample SS 15060. 13 Jul 2009. USA: Rio Blanco County, Colorado. N 40.074821, W 107.3481.
- 11286 DW Roberts (DWR 1585). Isolated from soil sample SS 15015. 23 Jun 2009. USA: Baca County, Colorado. N 37.167548, W 102.43437.
- 11287 DW Roberts (DWR 1586). Isolated from soil sample SS 14761. 24 Jun 2009. USA: Rio Grande County, Colorado. N 37.54099, W 106.50782.
- 11288 DW Roberts (DWR 1587). Isolated from soil sample SS 12596. 25 Jun 2009. USA: Lipscomb County, Texas. N 36.0721, W 100.14867.
- 11289 DW Roberts (DWR 1588). Isolated from soil sample SS 12784. 28 Jun 2009. USA: Gilliam County, Oregon. N 45.81809, W 120.20735.
- 11290 DW Roberts (DWR 1589). Isolated from soil sample SS 12772. 23 Jun 2009. USA: Okanogan County, Washington. N 48.159, W 119.48957.
- 11291 DW Roberts (DWR 1590). Isolated from soil sample SS 12613. 22 Jun 2009. USA: Ward County, Texas. N 31.42937, W 103.0915.
- 11292 DW Roberts (DWR 1593). Isolated from soil sample SS 15298. 29 Jun 2009. USA: Buffalo County, South Dakota. N 44.1262, W 99.1267.
- 11293 DW Roberts (DWR 1594). Isolated from soil sample SS 15306. 18 Jun 2009. USA: Mellette County, South Dakota. N 43.7349, W 101.203.
- 11294 DW Roberts (DWR 1595). Isolated from soil sample SS 15266. 30 Jun 2009. USA: Ziebach County, South Dakota. N 45.029133, W 101.906793.
- 11295 DW Roberts (DWR 1596). Isolated from soil sample SS 16193. 14 Jul 2009. USA: Dawson County, Montana. N 47.297063, W 104.85078.
- 11296 DW Roberts (DWR 1597). Isolated from soil sample SS 15289. 16 Jun 2009. USA: Shannon County, South Dakota. N 43.1291, W 102.666.
- 11297 DW Roberts (DWR 1598). Isolated from soil sample SS 15313. 30 Jun 2009. USA: Dewey County, South Dakota. N 45.14019, W 100.692235.
- 11298 DW Roberts (DWR 1599). Isolated from soil sample SS 15260. 22 Jun 2009. USA: Custer County, South Dakota. N 43.4918, W 103.2528.
- 11299 DW Roberts (DWR 1600). Isolated from soil sample SS 16140. 3 Aug 2009. USA: Deer Lodge County, Montana. N 46.09601, W 112.82514.
- 11300 DW Roberts (DWR 1603). Isolated from soil sample SS 16281. 21 Jul 2009. USA: Carbon County, Montana. N 45.240483, W 108.671158.
- 11301 DW Roberts (DWR 1604). Isolated from soil sample SS 16134. 3 Aug 2009. USA: Phillips County, Montana. N 47.722983, W 108.66611.
- 11302 DW Roberts (DWR 1605). Isolated from soil sample SS 16194. 3 Aug 2009. USA: Blaine County, Montana. N 47.92736, W 108.72457.
- 11303 DW Roberts (DWR 1606). Isolated from soil sample SS 16266. 12 Aug 2009. USA: Toole County, Montana. N 48.319072, W 111.574653.
- 11304 DW Roberts (DWR 1607). Isolated from soil sample SS 17201. 4 Aug 2009. USA: Campbell County, Wyoming. N 44.36519, W 105.221293.
- 11305 DW Roberts (DWR 1608). Isolated from soil sample SS 17246. 13 Aug 2009. USA: Laramie County, Wyoming. N 41.345853, W 104.2145.
- 11306 DW Roberts (DWR 1609). Isolated from soil sample SS 17231. 28 Jul 2009. USA: Niobrara County, Wyoming. N 42.830322, W 104.481687.
- 11308 DW Roberts (DWR 1617). Isolated from soil sample SS 16023. 16 Jul 2009. USA: Big Horn County, Montana. N 45.809013, W 107.23184.
- 11309 DW Roberts (DWR 1618). Isolated from soil sample SS 16224. 21 Jul 2009. USA: Madison County, Montana. N 45.305033, W 112.07917.

- 11310 DW Roberts (DWR 1619). Isolated from soil sample SS 16245. 10 Aug 2009. USA: Toole County, Montana. N 48.4384, W 111.88335.
- 11311 DW Roberts (DWR 1620). Isolated from soil sample SS 16382. 13 Jul 2009. USA: Walla Walla County, Washington. N 46.35369, W 118.47751.
- 11312 DW Roberts (DWR 1621). Isolated from soil sample SS 14807. 21 May 2009. USA: San Miguel County, Colorado. N 38.010661, W 108.55278.
- 11313 DW Roberts (DWR 1622). Isolated from soil sample SS 15769. 16 Jun 2009. USA: Lyman County, South Dakota. N 43.9051, W 99.4774.
- 11314 DW Roberts (DWR 1623). Isolated from soil sample SS 16218. 20 Jul 2009. USA: Madison County, Montana. N 44.756398, W 111.46711.
- 11315 DW Roberts (DWR 1624). Isolated from soil sample SS 16398. 21 Jul 2009. USA: Klickitat County, Washington. N 45.82482, W 120.93659.
- 11316 DW Roberts (DWR 1625). Isolated from soil sample SS 17346. 26 Aug 2009. USA: Lander County, Nevada. N 40.185052, W 116.827103.
- 11317 DW Roberts (DWR 1626). Isolated from soil sample SS 15418. 30 Jun 2009. USA: Corson County, South Dakota. N 45.7605, W 100.86565.
- 11318 DW Roberts (DWR 1627). Isolated from soil sample SS 16372. 11 Aug 2009. USA: Okanogan County, Washington. N 48.22432, W 118.86334.
- 11319 DW Roberts (DWR 1628). Isolated from soil sample SS 17087. 10 Aug 2009. USA: Sheridan County, Wyoming. N 44.88868, W 107.540826.
- 11320 DW Roberts (DWR 1629). Isolated from soil sample SS 17088. 10 Aug 2009. USA: Johnson County, Wyoming. N 44.225669, W 106.990484.
- 11321 DW Roberts (DWR 1630). Isolated from soil sample SS 17024. 24 Aug 2009. USA: Jeff Davis County, Texas. N 30.97822, W 104.18124.
- 11322 DW Roberts (DWR 1631). Isolated from soil sample SS 17006. 30 Jun 2009. USA: Dawson County, Texas. N 32.87805, W 102.09524.
- 11323 DW Roberts (DWR 1632). Isolated from soil sample SS 17128. 20 Jul 2009. USA: Goshen County, Wyoming. N 41.784354, W 104.363303.
- 11324 DW Roberts (DWR 1633). Isolated from soil sample SS 17195. 3 Aug 2009. USA: Campbell County, Wyoming. N 44.0042, W 105.723083.
- 11325 DW Roberts (DWR 1634). Isolated from soil sample SS 17203. 6 Jul 2009. USA: Sheridan County, Wyoming. N 44.87741, W 106.257448.
- 11326 DW Roberts (DWR 1635). Isolated from soil sample SS 17628. 3 Jul 2009. USA: Cheyenne County, Colorado. N 38.988258, W 102.08999.
- 11327 DW Roberts (DWR 1636). Isolated from soil sample SS 14476. 8 Jul 2009. USA: Elko County, Nevada. N 41.892515, W 115.42958.
- 11328 DW Roberts (DWR 1637). Isolated from soil sample SS 15327. 29 Jun 2009. USA: Corson County, South Dakota. N 45.5221, W 100.5664.
- 11329 DW Roberts (DWR 1638). Isolated from soil sample SS 14480. 21 Jul 2009. USA: Elko County, Nevada. N 41.223465, W 116.0069.
- 11330 DW Roberts (DWR 1639). Isolated from soil sample SS 13896. 23 Jun 2009. USA: Elbert County, Colorado. N 39.491485, W 104.36741.
- 11331 DW Roberts (DWR 1640). Isolated from soil sample SS 14485. 22 Jul 2009. USA: Elko County, Nevada. N 40.626338, W 115.26707.
- 11332 DW Roberts (DWR 1641). Isolated from soil sample SS 17332. 18 Aug 2009. USA: Elko County, Nevada. N 41.537978, W 116.03364.
- 11333 DW Roberts (DWR 1642). Isolated from soil sample SS 17324. 11 Aug 2009. USA: Elko County, Nevada. N 41.887033, W 115.439387.
- 11334 DW Roberts (DWR 1643). Isolated from soil sample SS 14171. 14 Jul 2009. USA: Elko County, Nevada. N 41.1463, W 115.676663.
- 11335 DW Roberts (DWR 1644). Isolated from soil sample SS 15703. 1 Jun 2009. USA: Fall River County, South Dakota. N 43.2462, W 103.7994.
- 11336 DW Roberts (DWR 1645). Isolated from soil sample SS 15299. 29 Jun 2009. USA: Buffalo County, South Dakota. N 44.0964, W 99.2066.
- 11337 DW Roberts (DWR 1646). Isolated from soil sample SS 14472. 29 Jun 2009. USA: Washoe County, Nevada. N 40.200922, W 119.36967.
- 11338 DW Roberts (DWR 1647). Isolated from soil sample SS 15318. 1 Jul 2009. USA: Dewey County, South Dakota. N 45.422075, W 101.018412.
- 11339 DW Roberts (DWR 1648). Isolated from soil sample SS 15321. 1 Jul 2009. USA: Dewey County, South Dakota. N 45.438247, W 100.710113.
- 11340 DW Roberts (DWR 1649). Isolated from soil sample SS 15304. 18 Jun 2009. USA: Mellette County, South Dakota. N 43.664, W 101.0202.
- 11341 DW Roberts (DWR 1650). Isolated from soil sample SS 15464. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0054, W 98.9617.
- 11342 DW Roberts (DWR 1651). Isolated from soil sample SS 15462. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0389, W 99.076.
- 11343 DW Roberts (DWR 1661). Isolated from soil sample SS 14185. Jul 2009. USA: Elko County, Nevada. N 41.9088, W 116.060338.
- 11344 DW Roberts (DWR 1662). Isolated from soil sample SS 17535. 21 Jun 2009. USA: Baca County, Colorado. N 37.324903, W 102.44745 .
- 11345 DW Roberts (DWR 1663). Isolated from soil sample SS 14155. 5 Jun 2009. USA: El Paso County, Colorado. N 38.84639, W 104.0922.

- 11346 DW Roberts (DWR 1664). Isolated from soil sample SS 14159. 8 Jun 2009. USA: Idaho.
- 11347 DW Roberts (DWR 1665). Isolated from soil sample SS 14378. 26 May 2009. USA: Elko County, Nevada. N 41.177285, W 115.89577.
- 11348 DW Roberts (DWR 1666). Isolated from soil sample SS 14386. 28 May 2009. USA: Elko County, Nevada. N 41.855373, W 115.43918.
- 11349 DW Roberts (DWR 1667). Isolated from soil sample SS 14405. 8 Jul 2009. USA: Elko County, Nevada. N 41.843297, W 115.42236.
- 11350 DW Roberts (DWR 1668). Isolated from soil sample SS 14413. 8 Jul 2009. USA: Elko County, Nevada. N 41.83063, W 115.4229.
- 11351 DW Roberts (DWR 1669). Isolated from soil sample SS 14415. 9 Jul 2009. USA: Elko County, Nevada. N 41.258603, W 116.24275.
- 11352 DW Roberts (DWR 1670). Isolated from soil sample SS 14634. 18 Jun 2009. USA: San Juan County, Colorado. N 37.864293, W 107.72546.
- 11353 DW Roberts (DWR 1671). Isolated from soil sample SS 14638. 16 Jun 2009. USA: Delta County, Colorado. N 38.810863, W 108.0137.
- 11354 DW Roberts (DWR 1672). Isolated from soil sample SS 14644. 23 Jun 2009. USA: Montrose County, Colorado. N 38.461606, W 108.40994.
- 11355 DW Roberts (DWR 1673). Isolated from soil sample SS 14661. 2 Jul 2009. USA: Dolores County, Colorado. N 37.704541, W 108.00147.
- 11356 DW Roberts (DWR 1674). Isolated from soil sample SS 17176. 5 Aug 2009. USA: Campbell County, Wyoming. N 43.899137, W 105.254149.
- 11357 DW Roberts (DWR 1675). Isolated from soil sample SS 17184. 12 Aug 2009. USA: Sheridan County, Wyoming. N 44.908075, W 107.740069.
- 11358 DW Roberts (DWR 1676). Isolated from soil sample SS 17186. 13 Aug 2009. USA: Laramie County, Wyoming. N 41.023273, W 105.239257.
- 11359 DW Roberts (DWR 1677). Isolated from soil sample SS 17163. 21 Jul 2009. USA: Hot Springs County, Wyoming. N 43.707618, W 108.912476.
- 11360 DW Roberts (DWR 1678). Isolated from soil sample SS 14702. 7 Jul 2009. USA: Gunnison County, Colorado. N 38.231393, W 107.46755.
- 11361 DW Roberts (DWR 1679). Isolated from soil sample SS 14705. 8 Jul 2009. USA: Saguache County, Colorado. N 38.064908, W 106.37171.
- 11362 DW Roberts (DWR 1680). Isolated from soil sample SS 14713. 14 Jul 2009. USA: Hinsdale County, Colorado. N 37.810431, W 107.26626.
- 11363 DW Roberts (DWR 1681). Isolated from soil sample SS 14717. 16 Jul 2009. USA: San Miguel County, Colorado. N 38.085778, W 108.32068.
- 11364 DW Roberts (DWR 1682). Isolated from soil sample SS 15463. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0448, W 98.794.
- 11365 DW Roberts (DWR 1691). Isolated from soil sample SS 17647. 3 Jul 2009. USA: Cheyenne County, Colorado. N 38.898978, W 102.35258.
- 11366 DW Roberts (DWR 1692). Isolated from soil sample SS 17936. 10 Aug 2009. USA: Morrow County, Oregon.
- 11367 DW Roberts (DWR 1693). Isolated from soil sample SS 17904. 23 Aug 2009. USA: Deschutes County, Oregon.
- 11368 DW Roberts (DWR 1694). Isolated from soil sample SS 17618. 29 Jun 2009. USA: Kiowa County, Colorado. N 38.542101, W 102.98883.
- 11369 DW Roberts (DWR 1695). Isolated from soil sample SS 17621. 29 Jun 2009. USA: Lincoln County, Colorado. N 38.553315, W 103.23553.
- 11370 DW Roberts (DWR 1696). Isolated from soil sample SS 17628. 3 Jul 2009. USA: Cheyenne County, Colorado. N 38.988258, W 102.08999.
- 11371 DW Roberts (DWR 1697). Isolated from soil sample SS 17636. 3 Jul 2009. USA: Kit Carson County, Colorado. N 39.555528, W 102.07035.
- 11372 DW Roberts (DWR 1698). Isolated from soil sample SS 17645. 3 Jul 2009. USA: Kit Carson County, Colorado. N 39.272181, W 102.25988.
- 11373 DW Roberts (DWR 1711). Isolated from soil sample SS 15946. 28 Jul 2009. USA: Lewis and Clark County, Montana. N 47.420618, W 112.22632.
- 11374 DW Roberts (DWR 1712). Isolated from soil sample SS 15925. 12 Aug 2009. USA: Okanogan County, Washington. N 48.63146, W 119.149493.
- 11375 DW Roberts (DWR 1713). Isolated from soil sample SS 14292. 29 Jul 2009. USA: Bear Lake County, Idaho. N 42.1938, W 111.1523.
- 11376 DW Roberts (DWR 1724). Isolated from soil sample SS 15688. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.3286, W 100.186.
- 11377 DW Roberts (DWR 1725). Isolated from soil sample SS 17789. Jul 2009. USA: Kit Carson County, Colorado. N 39.081441, W 102.18557.
- 11378 DW Roberts (DWR 1726). Isolated from soil sample SS 17480. 16 Jun 2009. USA: Baca County, Colorado. N 37.193018, W 102.05834.
- 11379 DW Roberts (DWR 1727). Isolated from soil sample SS 15555. 10 Jun 2009. USA: Bennett County, South Dakota. N 43.302, W 101.5336.
- 11380 DW Roberts (DWR 1728). Isolated from soil sample SS 16467. 26 Aug 2009. USA: Cochise County, Arizona. N 31.51004, W 109.260908.
- 11381 DW Roberts (DWR 1729). Isolated from soil sample SS 17500. 17 Jun 2009. USA: Cheyenne County, Colorado. N 38.952823, W 102.79681.
- 11382 DW Roberts (DWR 1730). Isolated from soil sample SS 17665. 4 Jul 2009. USA: Bent County, Colorado. N 38.099185, W 102.86141.

- 11383 DW Roberts (DWR 1731). Isolated from soil sample SS 17888. 18 Aug 2009. USA: Oregon.
- 11384 DW Roberts (DWR 1732). Isolated from soil sample SS 17758. 9 Jul 2009. USA: Yuma County, Colorado. N 39.791913, W 102.37043.
- 11385 DW Roberts (DWR 1733). Isolated from soil sample SS 17906. 11 Aug 2009. USA: Gilliam County, Oregon.
- 11386 DW Roberts (DWR 1734). Isolated from soil sample SS 17741. 7 Jul 2009. USA: Kit Carson County, Colorado. N 39.430955, W 102.35264.
- 11388 DW Roberts (DWR 1736). Isolated from soil sample SS 17795. Jul 2009. USA: Prowers County, Colorado. N 38.158551, W 102.37592.
- 11389 DW Roberts (DWR 1737). Isolated from soil sample SS 13507. 10 Jun 2009. USA: El Paso County, Colorado. N 38.838996, W 104.295.
- 11390 DW Roberts (DWR 1738). Isolated from soil sample SS 13490. 19 May 2009. USA: Kit Carson County, Colorado. N 39.068675, W 102.7987.
- 11391 DW Roberts (DWR 1739). Isolated from soil sample SS 13499. 5 Jun 2009. USA: El Paso County, Colorado. N 38.696536, W 104.1076.
- 11392 DW Roberts (DWR 1745). Isolated from soil sample SS 15136. 25 Jun 2009. USA: Huerfano County, Colorado. N 37.805756, W 104.65373.
- 11393 DW Roberts (DWR 1746). Isolated from soil sample SS 17624. 29 Jun 2009. USA: Kiowa County, Colorado. N 38.396435, W 103.0249.
- 11394 DW Roberts (DWR 1747). Isolated from soil sample SS 17623. 29 Jun 2009. USA: Kiowa County, Colorado. N 38.455333, W 103.05291.
- 11395 DW Roberts (DWR 1748). Isolated from soil sample SS 17633. 3 Jul 2009. USA: Kit Carson County, Colorado. N 39.326951, W 102.07186.
- 11396 DW Roberts (DWR 1749). Isolated from soil sample SS 15343. 1 Jul 2009. USA: Corson County, South Dakota. N 45.67553, W 101.14145.
- 11397 DW Roberts (DWR 1750). Isolated from soil sample SS 16771. 18 Aug 2009. USA: Graham County, Arizona. N 33.273211, W 109.853698.
- 11398 DW Roberts (DWR 1751). Isolated from soil sample SS 17682. 5 Jul 2009. USA: Bent County, Colorado. N 38.23302, W 103.27758.
- 11399 DW Roberts (DWR 1752). Isolated from soil sample SS 15525. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.364, W 99.6923.
- 11400 DW Roberts (DWR 1753). Isolated from soil sample SS 17361. 30 Jun 2009. USA: Hidalgo County, New Mexico. N 31.34791, W 108.53088.
- 11401 DW Roberts (DWR 1754). Isolated from soil sample SS 15490. 30 Jun 2009. USA: Dewey County, South Dakota. N 45.184845, W 100.38414.
- 11402 DW Roberts (DWR 1755). Isolated from soil sample SS 17549. 21 Jun 2009. USA: Baca County, Colorado. N 37.327833, W 102.27693.
- 11403 DW Roberts (DWR 1756). Isolated from soil sample SS 16551. 2 Sep 2009. USA: Santa Cruz County, Arizona. N 31.450947, W 110.729712.
- 11404 DW Roberts (DWR 1757). Isolated from soil sample SS 16543. 1 Sep 2009. USA: Santa Cruz County, Arizona. N 31.294418, W 110.5916.
- 11405 DW Roberts (DWR 1758). Isolated from soil sample SS 15151. Jul 2009. USA: Fremont County, Colorado. N 38.308841, W 105.62057.
- 11406 DW Roberts (DWR 1759). Isolated from soil sample SS 17968. 12 Aug 2009. USA: Sherman County, Oregon.
- 11407 DW Roberts (DWR 1760). Isolated from soil sample SS 17844. 4 Aug 2009. USA: Oregon.
- 11408 DW Roberts (DWR 1761). Isolated from soil sample SS 15397. 16 Jun 2009. USA: Mellette County, South Dakota. N 43.4419, W 100.293.
- 11409 DW Roberts (DWR 1762). Isolated from soil sample SS 17568. 22 Jun 2009. USA: Kiowa County, Colorado. N 38.322571, W 102.61857.
- 11410 DW Roberts (DWR 1768). Isolated from soil sample SS 17456. 8 Jun 2009. USA: Prowers County, Colorado. N 38.144516, W 102.11931.
- 11411 DW Roberts (DWR 1769). Isolated from soil sample SS 17460. 8 Jun 2009. USA: Kiowa County, Colorado. N 38.470506, W 102.0873.
- 11412 DW Roberts (DWR 1770). Isolated from soil sample SS 17607. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.76903, W 102.25818.
- 11413 DW Roberts (DWR 1772). Isolated from soil sample SS 17596. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.82461, W 102.53754.
- 11414 DW Roberts (DWR 1773). Isolated from soil sample SS 15935. 12 Aug 2009. USA: Hill County, Montana. N 48.827215, W 110.5542.
- 11415 DW Roberts (DWR 1774). Isolated from soil sample SS 15960. 4 Aug 2009. USA: Pondera County, Montana. N 48.380816, W 112.28488.
- 11416 DW Roberts (DWR 1775). Isolated from soil sample SS 17463. 8 Jun 2009. USA: Kiowa County, Colorado. N 38.58839, W 102.19849.
- 11417 DW Roberts (DWR 1776). Isolated from soil sample SS 14299. 30 Jul 2009. USA: Franklin County, Idaho. N 42.2691, W 111.7455.
- 11418 DW Roberts (DWR 1777). Isolated from soil sample SS 17590. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.881315, W 102.64924.
- 11419 DW Roberts (DWR 1778). Isolated from soil sample SS 14276. 27 Jul 2009. USA: Bonneville County, Idaho. N 43.5926, W 111.6256.
- 11420 DW Roberts (DWR 1779). Isolated from soil sample SS 14300. 30 Jul 2009. USA: Franklin County, Idaho. N 42.1528, W 111.8261.
- 11421 DW Roberts (DWR 1780). Isolated from soil sample SS 15964. 5 Aug 2009. USA: Teton County, Montana. N 48.094881, W 112.26417.

- 11422 DW Roberts (DWR 1781). Isolated from soil sample SS 14296. 29 Jul 2009. USA: Bear Lake County, Idaho. N 42.3946, W 111.0741.
- 11423 DW Roberts (DWR 1782). Isolated from soil sample SS 17594. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.983825, W 102.53774.
- 11424 DW Roberts (DWR 1783). Isolated from soil sample SS 17593. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.996418, W 102.6114.
- 11425 DW Roberts (DWR 1784). Isolated from soil sample SS 17446. 7 Jun 2009. USA: Lincoln County, Colorado. N 38.661975, W 103.35625.
- 11426 DW Roberts (DWR 1785). Isolated from soil sample SS 16571. 17 Aug 2009. USA: Graham County, Arizona. N 33.358002, W 109.932808.
- 11427 DW Roberts (DWR 1786). Isolated from soil sample SS 13212. 29 May 2009. USA: Lincoln County, Colorado. N 39.185321, W 103.49115.
- 11428 DW Roberts (DWR 1787). Isolated from soil sample SS 13492. 29 May 2009. USA: Lincoln County, Colorado. N 39.447876, W 103.49147.
- 11429 DW Roberts (DWR 1788). Isolated from soil sample SS 13496, colony 1. 5 Jun 2009. USA: Elbert County, Colorado. N 39.075975.
- 11430 DW Roberts (DWR 1789). Isolated from soil sample SS 13496, colony 2. 5 Jun 2009. USA: Elbert County, Colorado.
- 11431 DW Roberts (DWR 1790). Isolated from soil sample SS 13508. 10 Jun 2009. USA: El Paso County, Colorado.
- 11432 DW Roberts (DWR 1791). 10 Jun 2009. USA: El Paso County, Colorado.
- 11433 DW Roberts (DWR 1792). 31 May 2009.
- 11434 DW Roberts (DWR 1793). Isolated from soil sample SS 16063. 13 Jul 2009. USA: Chouteau County, Montana. N 47.991665, W 111.1306.
- 11435 DW Roberts (DWR 1794). Isolated from soil sample SS 16106. Jul 2009. USA: Sheridan County, Montana. N 48.820291, W 104.9839.
- 11436 DW Roberts (DWR 1795). Isolated from soil sample SS 16118. 22 Jul 2009. USA: Wheatland County, Montana. N 46.464406, W 109.8629.
- 11437 DW Roberts (DWR 1796). Isolated from soil sample SS 16127. 29 Jul 2009. USA: Wibaux County, Montana. N 47.31065, W 104.2362.
- 11438 DW Roberts (DWR 1797). Isolated from soil sample SS 16493. 22 Jul 2009. USA: Coconino County, Arizona. N 35.765638, W 112.28319.
- 11439 DW Roberts (DWR 1798). Isolated from soil sample SS 17477. 16 Jun 2009. USA: Baca County, Colorado. N 37.398595, W 102.0918.
- 11440 DW Roberts (DWR 1799). Isolated from soil sample SS 17494. 17 Jun 2009. USA: Kiowa County, Colorado. N 38.498753, W 102.7853.
- 11441 DW Roberts (DWR 1800). Isolated from soil sample SS 17505. 17 Jun 2009. USA: Cheyenne County, Colorado. N 38.965531, W 103.1081.
- 11442 DW Roberts (DWR 1801). Isolated from soil sample SS 17768. 9 Jul 2009. USA: Yuma County, Colorado. N 39.676836, W 102.4622.
- 11443 DW Roberts (DWR 1802). Isolated from soil sample SS 17778. Jul 2009. USA: Cheyenne County, Colorado. N 38.900521, W 102.2688.
- 11444 DW Roberts (DWR 1803). Isolated from soil sample SS 17779. Jul 2009. USA: Cheyenne County, Colorado. N 38.958283, W 102.2593.
- 11445 DW Roberts (DWR 1804). Isolated from soil sample SS 17833. 19 Aug 2009. USA: Oregon.
- 11446 DW Roberts (DWR 1805). Isolated from soil sample SS 18010. 30 Jul 2009. USA: Union County, Oregon.
- 11447 DW Roberts (DWR 1806). Isolated from soil sample SS 18040. 4 Nov 2009. USA: Ada County, Idaho. N 43.39675, W 116.4179.
- 11448 DW Roberts (DWR 1807). Isolated from soil sample SS 18042. 4 Nov 2009. USA: Ada County, Idaho. N 43.35104, W 116.32624.
- 11449 DW Roberts (DWR 1816). Isolated from soil sample SS 15677. 1 Jun 2009. USA: Gregory County, South Dakota. N 43.39173, W 99.435.
- 11450 DW Roberts (DWR 1817). Isolated from soil sample SS 15408. 29 Jun 2009. USA: Buffalo County, South Dakota. N 44.0839, W 99.2064.
- 11451 DW Roberts (DWR 1818). Isolated from soil sample SS 13412. 19 May 2009. USA: Kit Carson County, Colorado. N 39.164448, W 102.4637.
- 11452 DW Roberts (DWR 1819). Isolated from soil sample SS 13410. 20 May 2009. USA: Kit Carson County, Colorado. N 39.053513, W 102.9579.
- 11453 DW Roberts (DWR 1820). Isolated from soil sample SS 13408. 20 May 2009. USA: Kit Carson County, Colorado. N 39.421716, W 102.742.
- 11454 DW Roberts (DWR 1821). Isolated from soil sample SS 13389. 16 Jun 2009. USA: Mesa County, Colorado. N 39.278945, W 108.3623.
- 11455 DW Roberts (DWR 1822). Isolated from soil sample SS 15918. 20 Aug 2009. USA: Whitman County, Washington. N 46.62006, W 117.33241.
- 11456 DW Roberts (DWR 1823). Isolated from soil sample SS 16721. 20 Jul 2009. USA: Coconino County, Arizona. N 35.259923, W 111.70945.
- 11457 DW Roberts (DWR 1824). Isolated from soil sample SS 15376. 17 Jun 2009. USA: Bennett County, South Dakota. N 43.3601, W 101.7019.
- 11458 DW Roberts (DWR 1825). Isolated from soil sample SS 13291. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.068076, W 105.0862.
- 11459 DW Roberts (DWR 1826). Isolated from soil sample SS 15681. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.286, W 99.0704.

- 11460 DW Roberts (DWR 1827). Isolated from soil sample SS 13395. 29 May 2009. USA: Lincoln County, Colorado. N 39.219763, W 103.4912.
- 11461 DW Roberts (DWR 1828). Isolated from soil sample SS 15592. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.234, W 99.2967.
- 11462 DW Roberts (DWR 1829). Isolated from soil sample SS 15593. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.226, W 99.364.
- 11463 DW Roberts (DWR 1830). Isolated from soil sample SS 15608. 4 Jun 2009. USA: Lyman County, South Dakota. N 44.1224, W 100.3415.
- 11464 DW Roberts (DWR 1831). Isolated from soil sample SS 16659. 4 Aug 2009. USA: Cochise County, Arizona. N 31.447734, W 110.30693.
- 11465 DW Roberts (DWR 1832). Isolated from soil sample SS 15105. Jul 2009. USA: Fremont County, Colorado. N 38.656265, W 105.668.
- 11466 DW Roberts (DWR 1833). Isolated from soil sample SS 16836. 19 Aug 2009. USA: Graham County, Arizona. N 33.412627, W 109.64712.
- 11467 DW Roberts (DWR 1834). Isolated from soil sample SS 16022. 5 Aug 2009. USA: Jefferson County, Montana. N 45.932318, W 111.8465.
- 11468 DW Roberts (DWR 1835). Isolated from soil sample SS 16541. 1 Sep 2009. USA: Cochise County, Arizona. N 31.35026, W 110.27562.
- 11469 DW Roberts (DWR 1836). Isolated from soil sample SS 16916. 3 Aug 2009. USA: Coconino County, Arizona. N 35.067359, W 111.51112.
- 11470 DW Roberts (DWR 1837). Isolated from soil sample SS 16019. 22 Jul 2009. USA: Golden Valley County, Montana. N 46.333411, W 108.9465.
- 11471 DW Roberts (DWR 1838). Isolated from soil sample SS 18077. Sep 2009. USA: Eureka County, Nevada. N 39.901868, W 116.5837.
- 11472 DW Roberts (DWR 1839). Isolated from soil sample SS 17453. 8 Jun 2009. USA: Prowers County, Colorado. N 38.06344, W 102.3555.
- 11473 DW Roberts (DWR 1840). Isolated from soil sample SS 16834. 19 Aug 2009. USA: Graham County, Arizona. N 33.449064, W 109.63713.
- 11474 DW Roberts (DWR 1841). Isolated from soil sample SS 17439. 7 Jun 2009. USA: Kiowa County, Colorado. N 38.386008, W 103.4875.
- 11475 DW Roberts (DWR 1842). Isolated from soil sample SS 16534. 1 Sep 2009. USA: Santa Cruz County, Arizona. N 31.440172, W 110.65206.
- 11476 DW Roberts (DWR 1843). Isolated from soil sample SS 14174. 14 Jul 2009. USA: Elko County, Nevada. N 41.84286, W 115.95084.
- 11477 DW Roberts (DWR 1846). Isolated from soil sample SS 15164. 25 Jun 2009. USA: Huerfano County, Colorado. N 37.791865, W 104.7341.
- 11478 DW Roberts (DWR 1847). Isolated from soil sample SS 16537. 1 Sep 2009. USA: Santa Cruz County, Arizona. N 31.454967, W 110.61091.
- 11479 DW Roberts (DWR 1848). Isolated from soil sample SS 15120. 24 Jun 2009. USA: Baca County, Colorado. N 37.320136, W 102.7423.
- 11480 DW Roberts (DWR 1849). Isolated from soil sample SS 15689. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.2237, W 100.10725.
- 11481 DW Roberts (DWR 1850). Isolated from soil sample SS 13415. 19 May 2009. USA: Kit Carson County, Colorado. N 39.287251, W 102.7804.
- 11482 DW Roberts (DWR 1851). Isolated from soil sample SS 13484. 20 May 2009. USA: Kit Carson County, Colorado. N 39.127716, W 102.9688.
- 11483 DW Roberts (DWR 1852). Isolated from soil sample SS 17600. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.824215, W 102.2586.
- 11484 DW Roberts (DWR 1853). Isolated from soil sample SS 17422. 19 May 2009. USA: Kiowa County, Colorado. N 38.433611, W 102.5556.
- 11485 DW Roberts (DWR 1854). Isolated from soil sample SS 15529. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.2035, W 100.1666.
- 11486 DW Roberts (DWR 1861). Isolated from soil sample SS 17431. 19 May 2009. USA: Cheyenne County, Colorado. N 38.658001, W 102.4385.
- 11487 DW Roberts (DWR 1862). Isolated from soil sample SS 15350. 2 Jun 2009. USA: Fall River County, South Dakota. N 43.262, W 103.5826.
- 11488 DW Roberts (DWR 1863). Isolated from soil sample SS 15383. 22 Jun 2009. USA: Custer County, South Dakota. N 43.6942, W 102.896.
- 11489 DW Roberts (DWR 1864). Isolated from soil sample SS 16756. 17 Aug 2009. USA: Graham County, Arizona. N 33.260055, W 109.84727.
- 11490 DW Roberts (DWR 1865). Isolated from soil sample SS 13398. 18 May 2009. USA: Kit Carson County, Colorado. N 39.301228, W 102.4653.
- 11491 DW Roberts (DWR 1866). Isolated from soil sample SS 13483. 20 May 2009. USA: Kit Carson County, Colorado. N 39.242958, W 102.8749.
- 11492 DW Roberts (DWR 1867). Isolated from soil sample SS 17416. 6 Aug 2009. USA: Roosevelt County, New Mexico. N 33.74441, W 103.2884.
- 11493 DW Roberts (DWR 1868). Isolated from soil sample SS 17613. 28 Jun 2009. USA: Kiowa County, Colorado. N 38.368953, W 102.4361.
- 11494 DW Roberts (DWR 1869). Isolated from soil sample SS 17427. 19 May 2009. USA: Cheyenne County, Colorado. N 38.658726, W 102.3279.
- 11495 DW Roberts (DWR 1870). Isolated from soil sample SS 17426. 19 May 2009. USA: Kiowa County, Colorado. N 38.556886, W 102.309.

- 11496 DW Roberts (DWR 1871). Isolated from soil sample SS 17459. 8 Jun 2009. USA: Kiowa County, Colorado. N 38.355286, W 102.0838.
- 11497 DW Roberts (DWR 1872). Isolated from soil sample SS 17601. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.824215, W 102.2586.
- 11498 DW Roberts (DWR 1873). Isolated from soil sample SS 17609. 28 Jun 2009. USA: Prowers County, Colorado. N 38.256275, W 102.3115.
- 11499 DW Roberts (DWR 1874). Isolated from soil sample SS 16884. 12 Aug 2009. USA: Coconino County, Arizona. N 35.575898, W 111.93302.
- 11500 DW Roberts (DWR 1875). Isolated from soil sample SS 17672. 5 Jul 2009. USA: Kiowa County, Colorado. N 38.306073, W 103.3589.
- 11501 DW Roberts (DWR 1876). Isolated from soil sample SS 17604. 24 Jun 2009. USA: Cheyenne County, Colorado. N 38.673018, W 102.0882.
- 11502 DW Roberts (DWR 1877). Isolated from soil sample SS 18307. Jun 2009. USA: Slope County, North Dakota. N 46.338168, W 103.75.
- 11503 DW Roberts (DWR 1878). Isolated from soil sample SS 17467. 8 Jun 2009. USA: Kiowa County, Colorado. N 38.397433, W 102.3994.
- 11504 DW Roberts (DWR 1879). Isolated from soil sample SS 17421. 19 May 2009. USA: Kiowa County, Colorado. N 38.460953, W 102.634.
- 11505 DW Roberts (DWR 1880). Isolated from soil sample SS 18033. 4 Nov 2009. USA: Ada County, Idaho. N 43.29398, W 116.24912.
- 11506 DW Roberts (DWR 1881). Isolated from soil sample SS 16804. 28 Jul 2009. USA: Apache County, Arizona. N 36.993913, W 109.04155.
- 11507 DW Roberts (DWR 1882). Isolated from soil sample SS 17585. 23 Jun 2009. USA: Kiowa County, Colorado. N 38.508303, W 102.6024.
- 11508 DW Roberts (DWR 1883). Isolated from soil sample SS 12074. 11 Jun 2009. USA: Donley County, Texas. N 34.96198, W 100.93602.
- 11509 DW Roberts (DWR 1884). Isolated from soil sample SS 12070. 10 Jun 2009. USA: Collingsworth County, Texas. N 35.10693, W 100.52151.
- 11510 DW Roberts (DWR 1885). Isolated from soil sample SS 12084. 18 Jun 2009. USA: Runnels County, Texas. N 32.05688, W 100.11147.
- 11511 DW Roberts (DWR 1886). Isolated from soil sample SS 12065. 9 Jun 2009. USA: Wheeler County, Texas. N 35.49702, W 100.12129.
- 11512 DW Roberts (DWR 1887). Isolated from soil sample SS 15462. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0389, W 99.076.
- 11513 DW Roberts (DWR 1888). Isolated from soil sample SS 13267. 17 Jun 2009. USA: Elbert County, Colorado. N 39.269821, W 104.0859.
- 11514 DW Roberts (DWR 1889). Isolated from soil sample SS 13414. 19 May 2009. USA: Kit Carson County, Colorado. N 39.138356, W 102.6891.
- 11515 DW Roberts (DWR 1890). Isolated from soil sample SS 13293. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.217193, W 105.0157.
- 11516 DW Roberts (DWR 1891). Isolated from soil sample SS 13292. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.062591, W 105.0122.
- 11517 DW Roberts (DWR 1892). Isolated from soil sample SS 13273. 22 Jun 2009. USA: Adams County, Colorado. N 39.740846, W 104.1343.
- 11518 DW Roberts (DWR 1893). Isolated from soil sample SS 15908. 6 Aug 2009. USA: Stevens County, Washington. N 48.297557, W 117.92978.
- 11519 DW Roberts (DWR 1894). Isolated from soil sample SS 15862. 31 Jul 2009. USA: Boundary County, Idaho. N 48.589167, W 116.38172.
- 11520 DW Roberts (DWR 1895). Isolated from soil sample SS 13270. 18 Jun 2009. USA: Park County, Colorado. N 39.074741, W 105.711.
- 11521 DW Roberts (DWR 1896). Isolated from soil sample SS 15464. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0054, W 98.9617.
- 11522 DW Roberts (DWR 1897). Isolated from soil sample SS 12080. 17 Jun 2009. USA: Callahan County, Texas. N 32.50322, W 99.54539.
- 11523 DW Roberts (DWR 1898). Isolated from soil sample SS 13269. 18 Jun 2009. USA: Park County, Colorado. N 39.213618, W 105.8211.
- 11524 DW Roberts (DWR 1900). Isolated from soil sample SS 13294. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.29175, W 105.052721.
- 11525 DW Roberts (DWR 1901). Isolated from soil sample SS 13478. 19 May 2009. USA: Kit Carson County, Colorado. N 39.069626, W 102.581295.
- 11526 DW Roberts (DWR 1902). Isolated from soil sample SS 13419. 20 May 2009. USA: Kit Carson County, Colorado. N 39.200398, W 102.968711.
- 11527 DW Roberts (DWR 1903). Isolated from soil sample SS 13296. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.335551, W 104.612466.
- 11528 DW Roberts (DWR 1904). Isolated from soil sample SS 13277. 18 Jun 2009. USA: Park County, Colorado. N 39.110618, W 105.712975.
- 11529 DW Roberts (DWR 1905). Isolated from soil sample SS 13481. 20 May 2009. USA: Kit Carson County, Colorado. N 39.495018, W 102.74102.
- 11530 DW Roberts (DWR 1906). Isolated from soil sample SS 15853. 5 Aug 2009. USA: Bannock County, Idaho. N 42.5322, W 112.3767.
- 11531 DW Roberts (DWR 1907). Isolated from soil sample SS 15920. 12 Aug 2009. USA: Okanogan County, Washington. N 48.739797, W 118.9899217.

- 11532 DW Roberts (DWR 1910). Isolated from soil sample SS 18076. Sep 2009. USA: Eureka County, Nevada. N 39.941567, W 116.522832.
- 11533 DW Roberts (DWR 1911). Isolated from soil sample SS 17841. 4 Aug 2009. USA: Harney County, Oregon. N 43.41016, W 118.5893.
- 11534 DW Roberts (DWR 1912). Isolated from soil sample SS 17851. 5 Aug 2009. USA: Malheur County, Oregon. N 43.036847, W 118.2208.
- 11535 DW Roberts (DWR 1913). Isolated from soil sample SS 11324. 13 May 2009. USA: Swisher County, Texas. N 34.49404, W 101.57403.
- 11536 DW Roberts (DWR 1914). Isolated from soil sample SS 11326. 13 May 2009. USA: Swisher County, Texas. N 34.57862, W 101.54028.
- 11537 DW Roberts (DWR 1915). Isolated from soil sample SS 11344. 20 May 2009. USA: Dickens County, Texas. N 33.77719, W 100.74184.
- 11538 DW Roberts (DWR 1916). Isolated from soil sample SS 11358. 20 May 2009. USA: Cochran County, Texas. N 33.75795, W 102.993.
- 11539 DW Roberts (DWR 1917). Isolated from soil sample SS 11375. 19 May 2009. USA: Terry County, Texas. N 33.26798, W 102.15398.
- 11540 DW Roberts (DWR 1918). Isolated from soil sample SS 12896. 8 Jul 2009. USA: Graham County, Arizona. N 33.415724, W 109.773439.
- 11541 DW Roberts (DWR 1919). Isolated from soil sample SS 14257. 5 Aug 2009. USA: Lassen County, California. N 41.16576, W 120.99517.
- 11542 DW Roberts (DWR 1920). Isolated from soil sample SS 12894. 8 Jul 2009. USA: Graham County, Arizona. N 33.212844, W 109.912036.
- 11543 DW Roberts (DWR 1921). Isolated from soil sample SS 12900. 8 Jul 2009. USA: Graham County, Arizona. N 33.296022, W 109.794102.
- 11544 DW Roberts (DWR 1922). Isolated from soil sample SS 11377. 19 May 2009. USA: Yoakum County, Texas. N 33.05361, W 102.99115.
- 11545 DW Roberts (DWR 1923). Isolated from soil sample SS 15469. 4 Jun 2009. USA: Stanley County, South Dakota. N 44.287583, W 100.50823.
- 11546 DW Roberts (DWR 1924). Isolated from soil sample SS 12219. 24 Jun 2009. USA: Elko County, Nevada. N 41.691677, W 116.02904.
- 11547 DW Roberts (DWR 1925). Isolated from soil sample SS 15990. Jul 2009. USA: Chouteau County, Montana. N 47.654951, W 110.387683.
- 11548 DW Roberts (DWR 1926). Isolated from soil sample SS 11379. 19 May 2009. USA: Yoakum County, Texas. N 33.05124, W 102.66315.
- 11549 DW Roberts (DWR 1927). Isolated from soil sample SS 12826. 9 Jul 2009. USA: Graham County, Arizona. N 33.350459, W 110.056835.
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- 11906 DW Roberts (DWR 2049). Isolated from soil sample SS 226. 28 May 2006. USA: Coconino County, Arizona. N 36.54.318, W 112.23.2344.
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- 11957 DW Roberts (DWR 2113). Isolated from soil sample SS 20064. 19 May 2010. USA: Klickitat County, Washington. N 45.95395, W 120.0683.
- 11958 DW Roberts (DWR 2114). Isolated from soil sample SS 19823. 3 Jun 2010. USA: Graham County, Arizona. N 33.3795, W 109.74382.
- 11959 DW Roberts (DWR 2115). Isolated from soil sample SS 19773. 22 Jun 2010. USA: Graham County, Arizona. N 33.421692, W 109.81548.
- 11960 DW Roberts (DWR 2116). Isolated from soil sample SS 19766. 2 Jun 2010. USA: Graham County, Arizona. N 33.218714, W 109.88695.
- 11961 DW Roberts (DWR 2117). Isolated from soil sample SS 457. Rec'd 30 Apr 2012. USA: west of Kanab, Kane County, Utah. N 37.02208, W 112.18106.
- 11962 DW Roberts (DWR 2118). Isolated from soil sample SS 20621, colony 1. 28 Jun 2010. USA: Maricopa County, Arizona. N 33.21972, W 111.68951.

- 11963 DW Roberts (DWR 2126). Isolated from soil sample SS 19253. 10 Jun 2010. USA: Washington County, Utah. N 37.0705, W 113.1011.
- 11964 DW Roberts (DWR 2127). Isolated from soil sample SS 19477. Jun 2010. USA: Humboldt County, Nevada. N 41.574405, W 117.86794.
- 11965 DW Roberts (DWR 2128). Isolated from soil sample SS 19640. 23 Jun 2010. USA: Iron County, Utah. N 37.5754, W 113.2122.
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- 11967 DW Roberts (DWR 2130). Isolated from soil sample SS 20135. 17 Mar 2010. USA: Jackson County, Oregon. N 42.363304, W 122.87361.
- 11968 DW Roberts (DWR 2131). Isolated from soil sample SS 20184. 8 Jul 2010. USA: Maricopa County, Arizona. N 33.47561, W 111.77249.
- 11969 DW Roberts (DWR 2132). Isolated from soil sample SS 21329. 6 Jul 2010. USA: Maricopa County, Arizona. N 33.66752, W 111.67792.
- 11970 DW Roberts (DWR 2133). Isolated from soil sample SS 21625. 19 Jul 2010. USA: Mora County, New Mexico. N 35.86777, W 105.13212.
- 11971 DW Roberts (DWR 2134). Isolated from soil sample SS 22338. 26 Jul 2010. USA: Hayes County, Nebraska. N 40.49218, W 100.93045.
- 11973 DW Roberts (DWR 2136). Isolated from soil sample SS 19674. 21 Jun 2010. USA: Millard County, Utah. N 39.0847, W 113.043.
- 11974 DW Roberts (DWR 2137). Isolated from soil sample SS 19993. 2 Jun 2010. USA: Graham County, Arizona. N 33.298107, W 109.91969.
- 11975 DW Roberts (DWR 2138). Isolated from soil sample SS 21779. 29 Jun 2010. USA: Lander County, Nevada. N 39.37686, W 117.23957.
- 11976 DW Roberts (DWR 2139). Isolated from soil sample SS 22345. 3 Aug 2010. USA: Kimball County, Nebraska. N 41.11436, W 104.05335.
- 11977 DW Roberts (DWR 2140). Isolated from soil sample SS 22433. 2 Aug 2010. USA: Cheyenne County, Nebraska. N 41.175323, W 102.72493.
- 11978 DW Roberts (DWR 2141). Isolated from soil sample SS 22450. 2 Aug 2010. USA: Cheyenne County, Nebraska. N 41.030193, W 102.79277.
- 11979 DW Roberts (DWR 2163). Isolated from soil sample SS 21592. 13 Jul 2010. USA: San Miguel County, New Mexico. N 35.73941, W 105.24086.
- 11980 DW Roberts (DWR 2164). Isolated from soil sample SS 21686. 29 Jun 2010. USA: Lander County, Nevada. N 39.667452, W 117.02765.
- 11981 DW Roberts (DWR 2165). Isolated from soil sample SS 22003. 13 Jul 2010. USA: White Pine County, Nevada. N 39.571618, W 115.56535.
- 11982 DW Roberts (DWR 2166). Isolated from soil sample SS 22050. 29 Jul 2010. USA: Banner County, Nebraska. N 41.568751, W 103.58542.
- 11983 DW Roberts (DWR 2167). Isolated from soil sample SS 22053. 28 Jul 2010. USA: Morrill County, Nebraska. N 41.749932, W 102.93642.
- 11984 DW Roberts (DWR 2168). Isolated from soil sample SS 22315. 21 Jul 2010. USA: Chase County, Nebraska. N 40.45155, W 101.60876.
- 11985 DW Roberts (DWR 2169). Isolated from soil sample SS 22796. 14 Jul 2010. USA: Coconino County, Arizona. N 35.518922, W 112.90235.
- 11986 DW Roberts (DWR 2170). Isolated from soil sample SS 23212. 1 Jun 2010. USA: Ziebach County, South Dakota. N 44.715, W 101.3068.
- 11987 DW Roberts (DWR 2171). Isolated from soil sample SS 23217. 1 Jun 2010. USA: Ziebach County, South Dakota. N 44.73827, W 101.79459.
- 11988 DW Roberts (DWR 2173). Isolated from soil sample SS 21227. 6 Jul 2010. USA: Pinal County, Arizona. N 33.06169, W 111.89016.
- 11989 DW Roberts (DWR 2174). Isolated from soil sample SS 21480. 26 Jul 2010. USA: Garfield County, Utah. N 38.0708, W 111.1932.
- 11990 DW Roberts (DWR 2175). Isolated from soil sample SS 21557. 19 Jul 2010. USA: Cibola County, New Mexico. N 34.98721, W 107.18676.
- 11991 DW Roberts (DWR 2176). Isolated from soil sample SS 22036. 29 Jul 2010. USA: Scotts Bluff County, Nebraska. N 41.713241, W 103.570715.
- 11992 DW Roberts (DWR 2177). Isolated from soil sample SS 22061. 28 Jul 2010. USA: Morrill County, Nebraska. N 41.453606, W 102.906474.
- 11993 DW Roberts (DWR 2178). Isolated from soil sample SS 22245. 27 Jul 2010. USA: Morrill County, Nebraska. N 41.800272, W 102.989698.
- 11994 DW Roberts (DWR 2179). Isolated from soil sample SS 22354. 3 Aug 2010. USA: Kimball County, Nebraska. N 41.008658, W 103.649346.
- 11995 DW Roberts (DWR 2180). Isolated from soil sample SS 22375. 26 Jul 2010. USA: Sherman County, Nebraska. N 41.306466, W 99.109066.
- 11996 DW Roberts (DWR 2181). Isolated from soil sample SS 21986. 7 Jul 2010. USA: Elko County, Nevada. N 41.335423, W 116.193413.
- 11997 DW Roberts (DWR 2182). Isolated from soil sample SS 22020. 2 Aug 2010. USA: Frontier County, Nebraska. N 40.46756, W 100.26192.
- 11999 DW Roberts (DWR 2184). Isolated from soil sample SS 22230. 26 Jul 2010. USA: Morrill County, Nebraska. N 41.684985, W 103.07357.
- 12000 DW Roberts (DWR 2185). Isolated from soil sample SS 22241. 27 Jul 2010. USA: Morrill County, Nebraska. N 41.808199, W 102.857345.

- 12001 DW Roberts (DWR 2186). Isolated from soil sample SS 22246. 27 Jul 2010. USA: Morrill County, Nebraska. N 41.746732, W 102.692398.
- 12002 DW Roberts (DWR 2187). Isolated from soil sample SS 22289. 29 Jul 2010. USA: Perkins County, Nebraska. N 40.70208, W 101.85952.
- 12003 DW Roberts (DWR 2188). Isolated from soil sample SS 22395. 27 Jul 2010. USA: Sherman County, Nebraska. N 41.31138, W 99.184573.
- 12004 DW Roberts (DWR 2189). Isolated from soil sample SS 22864. 20 Jul 2010. USA: Maricopa County, Arizona. N 32.89341, W 112.94703.
- 12006 DW Roberts (DWR 2196). Isolated from soil sample SS 21539. Jul 2010. USA: Harlan County, Nebraska. N 40.060457, W 99.465457.
- 12007 DW Roberts (DWR 2202). Isolated from soil sample SS 20279. 30 Jun 2010. USA: Maricopa County, Arizona. N 33.74485, W 112.28564.
- 12008 DW Roberts (DWR 2203). Isolated from soil sample SS 22775. 20 Jul 2010. USA: Maricopa County, Arizona. N 32.89332, W 112.94272.
- 12009 DW Roberts (DWR 2204). Isolated from soil sample SS 21797. 13 Jul 2010. USA: Elko County, Nevada. N 41.859068, W 115.456145.
- 12010 DW Roberts (DWR 2205). Isolated from soil sample SS 22797. 14 Jul 2010. USA: Coconino County, Arizona. N 35.512615, W 112.906628.
- 12011 DW Roberts (DWR 2206). Isolated from soil sample SS 21947. 8 Jun 2010. USA: Humboldt County, Nevada. N 41.2913, W 117.56189.
- 12012 DW Roberts (DWR 2208). Isolated from soil sample SS 23280. 22 Jul 2010. USA: Wayne County, Utah. N 38.1756, W 111.2547.
- 12013 DW Roberts (DWR 2209). Isolated from soil sample SS 26258. 16 Aug 2010. USA: Wheatland County, Montana. N 46.423436, W 109.842215.
- 12014 DW Roberts (DWR 2210). Isolated from soil sample SS 26170. 11 Aug 2010. USA: Teton County, Montana. N 48.014959, W 112.026792.
- 12015 DW Roberts (DWR 2211). Isolated from soil sample SS 26169. 11 Aug 2010. USA: Teton County, Montana. N 47.871536, W 111.559205.
- 12016 DW Roberts (DWR 2212). Isolated from soil sample SS 26251. 9 Aug 2010. USA: Toole County, Montana. N 48.495943, W 112.076656.
- 12017 DW Roberts (DWR 2213). Isolated from soil sample SS 26199. 22 Jul 2010. USA: Powder River County, Montana. N 45.227415, W 105.839425.
- 12018 DW Roberts (DWR 2214). Isolated from soil sample SS 21911. 14 Jul 2010. USA: Eureka County, Nevada. N 39.926522, W 115.872422.
- 12019 DW Roberts (DWR 2215). Isolated from soil sample SS 21868. 23 Jun 2010. USA: Humboldt County, Nevada. N 41.390058, W 117.260055.
- 12020 DW Roberts (DWR 2216). Isolated from soil sample SS 25993. 26 Jul 2010. USA: Blaine County, Montana. N 48.290616, W 109.361748.
- 12021 DW Roberts (DWR 2217). Isolated from soil sample SS 26310. 3 Aug 2010. USA: Beaverhead County, Montana. N 44.606168, W 111.934148.
- 12022 DW Roberts (DWR 2219). Isolated from soil sample SS 22086. 22 Jul 2010. USA: Buffalo County, Nebraska. N 40.92399, W 99.2553.
- 12023 [ERL 2102] S Gouli (A-12/1) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12024 [ERL 2103] S Gouli (A-12/2) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12025 [ERL 2104] S Gouli (A-12/3) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: State Line Road, Arizona.
- 12026 [ERL 2105] S Gouli (A-12/4) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jul 2012. USA: State Line Road, Arizona.
- 12092 DW Roberts (DWR 2224). Isolated from soil sample SS 20337. 8 Jul 2010. USA: Pinal County, Arizona. N 32.73439, W 111.4507.
- 12093 DW Roberts (DWR 2225). Isolated from soil sample SS 20371. 28 Jun 2010. USA: Maricopa County, Arizona. N 33.28451, W 111.60407.
- 12094 DW Roberts (DWR 2230). Isolated from soil sample SS 22558. 20 Jul 2010. USA: Mohave County, Arizona. N 36.270414, W 113.579924.
- 12095 DW Roberts (DWR 2231). Isolated from soil sample SS 22094. 21 Jul 2010. USA: Furnas County, Nebraska. N 40.238686, W 99.949158.
- 12096 DW Roberts (DWR 2258). Isolated from soil sample SS 21544. Jul 2010. USA: Harlan County, Nebraska. N 40.259383, W 99.611561.
- 12097 DW Roberts (DWR 2262). Isolated from soil sample SS 25353. 13 Sep 2010. USA: Lincoln County, Nebraska. N 40.721859, W 100.618147.
- 12098 DW Roberts (DWR 2263). Isolated from soil sample SS 22093. 21 Jul 2010. USA: Furnas County, Nebraska. N 40.328696, W 99.88721.
- 12099 DW Roberts (DWR 2290). Isolated from soil sample SS 26842. 13 May 2011. USA: Maricopa County, Arizona. N 33.25818, W 112.78474.
- 12100 DW Roberts (DWR 2291). Isolated from soil sample SS 24075. 23 Jun 2010. USA: Idaho.
- 12101 DW Roberts (DWR 2320). Isolated from soil sample SS 23698. 17 Aug 2010. USA: Garfield County, Washington. N 46.550448, W 117.661143.
- 12102 DW Roberts (DWR 2321). Isolated from soil sample SS 24770. 20 Aug 2010. USA: Maricopa County, Arizona. N 33.22088, W 111.68938.
- 12103 DW Roberts (DWR 2322). Isolated from soil sample SS 24116. 11 Aug 2010. USA: Minidoka County, Idaho. N 42.662974, W 113.564188.

- 12104 DW Roberts (DWR 2323). Isolated from soil sample SS 25096. 13 Sep 2010. USA: Dawson County, Nebraska. N 40.743166, W 100.052267.
- 12105 DW Roberts (DWR 2324). Isolated from soil sample SS 23557. 9 Aug 2010. USA: Lander County, Nevada. N 40.846452, W 116.91237.
- 12106 DW Roberts (DWR 2325). Isolated from soil sample SS 25059. 13 Sep 2010. USA: Loup County, Nebraska. N 41.769945, W 99.58007.
- 12107 DW Roberts (DWR 2326). Isolated from soil sample SS 26289. 2 Aug 2010. USA: Chouteau County, Montana. N 47.991639, W 111.130971.
- 12108 DW Roberts (DWR 2327). Isolated from soil sample SS 26289. 2 Aug 2010. USA: Chouteau County, Montana. N 47.991639, W 111.130971.
- 12109 DW Roberts (DWR 2328). Isolated from soil sample SS 25298. 13 Sep 2010. USA: Garfield County, Nebraska. N 41.877381, W 98.937662.
- 12110 DW Roberts (DWR 2329). Isolated from soil sample SS 24132. 16 Aug 2010. USA: Camas County, Idaho. N 43.430856, W 114.879507.
- 12111 DW Roberts (DWR 2330). Isolated from soil sample SS 22103. 20 Jul 2010. USA: Furnas County, Nebraska. N 40.226451, W 99.780704.
- 12112 DW Roberts (DWR 2331). Isolated from soil sample SS 25094. 13 Sep 2010. USA: Dawson County, Nebraska. N 40.742904, W 100.147744.
- 12113 DW Roberts (DWR 2332). Isolated from soil sample SS 25473. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.180655, W 101.037032.
- 12114 DW Roberts (DWR 2333). Isolated from soil sample SS 24283. 5 Aug 2010. USA: Platte County, Wyoming. N 42.041537, W 105.134366.
- 12115 DW Roberts (DWR 2334). Isolated from soil sample SS 26856. 13 May 2011. USA: Maricopa County, Arizona. N 33.23119, W 112.77611.
- 12116 DW Roberts (DWR 2335). Isolated from soil sample SS 24307. 27 Jul 2010. USA: Big Horn County, Wyoming. N 44.387393, W 108.433066.
- 12119 DW Roberts (DWR 2338). Isolated from soil sample SS 25477. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.322525, W 101.231835.
- 12120 DW Roberts (DWR 2340). Isolated from soil sample SS 26330. 29 Jul 2010. USA: Texas.
- 12122 DW Roberts (DWR 2342). Isolated from soil sample SS 26328. 29 Jul 2010. USA: Texas.
- 12123 DW Roberts (DWR 2343). Isolated from soil sample SS 23488. 21 Jul 2010. USA: Elko County, Nevada. N 41.911242, W 114.708732.
- 12124 DW Roberts (DWR 2344). Isolated from soil sample SS 23683. 19 Aug 2010. USA: Lea County, New Mexico. N 33.32974, W 103.31833.
- 12125 DW Roberts (DWR 2345). Isolated from soil sample SS 26142. 28 Jul 2010. USA: Garfield County, Montana. N 47.517233, W 106.718607.
- 12126 DW Roberts (DWR 2346). Isolated from soil sample SS 24318. 29 Jul 2010. USA: Big Horn County, Wyoming. N 44.264516, W 107.579314.
- 12127 DW Roberts (DWR 2347). Isolated from soil sample SS 24312. 28 Jul 2010. USA: Platte County, Wyoming. N 41.89983, W 105.17213.
- 12128 DW Roberts (DWR 2348). Isolated from soil sample SS 24401. 28 Jul 2010. USA: Campbell County, Wyoming. N 43.924602, W 105.265479.
- 12129 DW Roberts (DWR 2349). Isolated from soil sample SS 24420. 4 Aug 2010. USA: Park County, Wyoming. N 44.466728, W 109.465717.
- 12130 DW Roberts (DWR 2350). Isolated from soil sample SS 24016. 3 Jun 2010. USA: Ziebach County, South Dakota. N 44.9328, W 101.44.
- 12131 DW Roberts (DWR 2351). Isolated from soil sample SS 24477. 16 Jun 2010. USA: Grant County, North Dakota. N 46.574271, W 101.4491.
- 12132 DW Roberts (DWR 2352). Isolated from soil sample SS 24012. 2 Jun 2010. USA: Ziebach County, South Dakota. N 44.7923, W 101.59105.
- 12133 DW Roberts (DWR 2353). Isolated from soil sample SS 24458. 21 Jun 2010. USA: McKenzie County, North Dakota. N 47.614531, W 103.94557.
- 12134 DW Roberts (DWR 2354). Isolated from soil sample SS 24385. 26 Jul 2010. USA: Converse County, Wyoming. N 43.42169, W 105.01971.
- 12135 DW Roberts (DWR 2355). Isolated from soil sample SS 25245. 13 Sep 2010. USA: Lincoln County, Nebraska. N 40.8719, W 100.453766.
- 12136 DW Roberts (DWR 2356). Isolated from soil sample SS 25695. 29 Jul 2010. USA: Nebraska.
- 12137 DW Roberts (DWR 2357). Isolated from soil sample SS 25789. 18 Aug 2010. USA: Sublette County, Wyoming. N 42.929368, W 109.719182.
- 12138 DW Roberts (DWR 2358). Isolated from soil sample SS 25422. 14 Sep 2010. USA: Arthur County, Nebraska. N 41.61575, W 101.692497.
- 12139 DW Roberts (DWR 2359). Isolated from soil sample SS 25286. 13 Sep 2010. USA: Knox County, Nebraska. N 42.53189, W 98.267687.
- 12140 DW Roberts (DWR 2368). Isolated from soil sample SS 24255. 9 Aug 2010. USA: Millard County, Utah. N 39.2505, W 112.4105.
- 12141 DW Roberts (DWR 2369). Isolated from soil sample SS 27858. 21 Apr 2011. USA: Maricopa County, Arizona. N 33.45163, W 111.74131.
- 12142 DW Roberts (DWR 2370). Isolated from soil sample SS 26797. 26 Jul 2010. USA: McKenzie County, North Dakota. N 47.476037, W 103.479367.
- 12143 DW Roberts (DWR 2371). Isolated from soil sample SS 26362. 13 Sep 2010. USA: Nebraska.
- 12144 DW Roberts (DWR 2372). Isolated from soil sample SS 26444. 9 Sep 2010. USA: Brown County, Nebraska. N 42.217802, W 100.092458.

- 12145 DW Roberts (DWR 2373). Isolated from soil sample SS 26679. 27 Jul 2010. USA: Baker County, Oregon. N 44.81095, W 117.74345.
- 12146 DW Roberts (DWR 2374). Isolated from soil sample SS 20223. 30 Jun 2010. USA: Maricopa County, Arizona. N 33.74982, W 112.2851.
- 12147 DW Roberts (DWR 2376). Isolated from soil sample SS 25593. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.450294, W 100.610335.
- 12148 DW Roberts (DWR 2377). Isolated from soil sample SS 25912. 11 Aug 2010. USA: Dawes County, Nebraska. N 42.770365, W 103.044088.
- 12149 DW Roberts (DWR 2378). Isolated from soil sample SS 26944. 11 May 2011. USA: Maricopa County, Arizona. N 33.29037, W 112.78524.
- 12150 DW Roberts (DWR 2379). Isolated from soil sample SS 24768. 20 Aug 2010. USA: Maricopa County, Arizona. N 33.22122, W 111.68881.
- 12151 DW Roberts (DWR 2380). Isolated from soil sample SS 26165. 10 Aug 2010. USA: Teton County, Montana. N 47.833469, W 111.43031.
- 12152 DW Roberts (DWR 2381). Isolated from soil sample SS 24545. 14 Jun 2010. USA: McKenzie County, North Dakota. N 47.616155, W 103.15898.
- 12153 DW Roberts (DWR 2382). Isolated from soil sample SS 25581. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.31636, W 100.218693.
- 12154 DW Roberts (DWR 2383). Isolated from soil sample SS 25928. 12 Aug 2010. USA: Dawes County, Nebraska. N 42.559213, W 103.013363.
- 12156 DW Roberts (DWR 2385). Isolated from soil sample SS 26690. 28 Jul 2010. USA: Baker County, Oregon. N 44.911464, W 117.673965.
- 12157 DW Roberts (DWR 2392). Isolated from soil sample SS 24760. 20 Aug 2010. USA: Maricopa County, Arizona. N 33.22126, W 111.68853.
- 12158 DW Roberts (DWR 2393). Isolated from soil sample SS 27465. 19 Apr 2011. USA: Maricopa County, Arizona. N 33.66675, W 111.67854.
- 12159 DW Roberts (DWR 2394). Isolated from soil sample SS 22098. 21 Jul 2010. USA: Furnas County, Nebraska. N 40.24425, W 100.006112.
- 12160 DW Roberts (DWR 2395). Isolated from soil sample SS 26802. 4 Aug 2010. USA: McKenzie County, North Dakota. N 47.827493, W 103.864465.
- 12161 DW Roberts (DWR 2396). Isolated from soil sample SS 25212. 13 Sep 2010. USA: Garden County, Nebraska. N 41.453266, W 102.227163.
- 12162 DW Roberts (DWR 2397). Isolated from soil sample SS 26814. 10 Aug 2010. USA: McKenzie County, North Dakota. N 47.588047, W 103.827014.
- 12165 I Erper (TR-55-3). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12183 DW Roberts (DWR 2404). Isolated from soil sample SS 25210. 13 Sep 2010. USA: Garden County, Nebraska. N 41.456487, W 102.140963.
- 12184 DW Roberts (DWR 2405). Isolated from soil sample SS 25580. 31 Aug 2010. USA: Scotts Bluff County, Nebraska. N 41.856859, W 103.908883.
- 12185 DW Roberts (DWR 2406). Isolated from soil sample SS 26804. 5 Aug 2010. USA: McKenzie County, North Dakota. N 47.770262, W 103.93551.
- 12186 DW Roberts (DWR 2407). Isolated from soil sample SS 23710. 24 Aug 2010. USA: Pend Oreille County, Washington. N 48.690289, W 117.410623.
- 12187 DW Roberts (DWR 2408). Isolated from soil sample SS 23619. 10 Aug 2010. USA: Elko County, Nevada. N 41.963838, W 115.541857.
- 12188 DW Roberts (DWR 2409). Isolated from soil sample SS 23545. 3 Aug 2010. USA: Washoe County, Nevada. N 40.722008, W 119.56075.
- 12189 DW Roberts (DWR 2410). Isolated from soil sample SS 25341. 13 Sep 2010. USA: Custer County, Nebraska. N 41.194723, W 99.377805.
- 12191 DW Roberts (DWR 2412). Isolated from soil sample SS 22118. 14 Jul 2010. USA: Gosper County, Nebraska. N 40.441993, W 99.681392.
- 12192 DW Roberts (DWR 2414). Isolated from soil sample SS 25187. 13 Sep 2010. USA: Rock County, Nebraska. N 42.717231, W 99.402792.
- 12193 DW Roberts (DWR 2415). Isolated from soil sample SS 24320. 19 Jul 2010. USA: Hot Springs County, Wyoming. N 43.84921, W 108.3728.
- 12194 DW Roberts (DWR 1353). Rec'd 30 Apr 2012.
- 12196 ST Jaronski (ND03B). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12197 ST Jaronski (ND05). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12198 ST Jaronski (ND06B). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12199 ST Jaronski (ND07). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12200 ST Jaronski (ND08). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12201 ST Jaronski (ND09). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12202 ST Jaronski (ND10). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".

- 12203 ST Jaronski (ND12). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota.
- 12204 ST Jaronski (ND13). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12205 ST Jaronski (ND17). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12206 ST Jaronski (ND22A). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12207 ST Jaronski (ND27). *Aulocara elliotti* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12208 ST Jaronski (MT34). *Melanoplus confusus* [Orthoptera: Acrididae]. 14 Sep 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12209 ST Jaronski (MT44). *Melanoplus* sp. [Orthoptera: Acrididae]. 14 Sep 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12210 ST Jaronski (MT47). *Melanoplus confusus* [Orthoptera: Acrididae]. 14 Sep 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12211 ST Jaronski (MT50). *Melanoplus confusus* [Orthoptera: Acrididae]. 14 Sep 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12212 ST Jaronski (KS01). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12213 ST Jaronski (KS19A). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12214 ST Jaronski (KS19B). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12215 ST Jaronski (KS29). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12216 ST Jaronski (KS32). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12217 ST Jaronski (KS33). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12218 ST Jaronski (KS38). *Melanoplus confusus* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12219 ST Jaronski (KS44). *Phoetaliotes nebrascensis* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12220 ST Jaronski (KS49). *Melanoplus dawsonii* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12221 ST Jaronski (KS50C). *Melanoplus* sp. [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12222 ST Jaronski (KS51). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12223 ST Jaronski (KS52). *Melanoplus* sp. [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12224 ST Jaronski (KS54). *Melanoplus* sp. [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12225 ST Jaronski (KS55). *Melanoplus* sp. [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12226 ST Jaronski (KS56A). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12227 ST Jaronski (KS56C). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12228 ST Jaronski (KS57). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12229 ST Jaronski (KS58). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12230 ST Jaronski (KS59). *Melanoplus dawsonii* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12231 ST Jaronski (KS60C). *Melanoplus infantilis* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".

- 12232 ST Jaronski (KS61). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12233 ST Jaronski (KS62). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12234 ST Jaronski (KS63). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12235 ST Jaronski (KS64B). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12236 ST Jaronski (KS64C). *Aulocara elliotti* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12237 ST Jaronski (KS65). *Melanoplus dawsonii* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12238 ST Jaronski (KS66). *Melanoplus dawsonii* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12239 ST Jaronski (KS68). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 3 Sep 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12249 AE Hajek (425). *Sirex noctilio* [Hymenoptera: Siridae] from barrel HC 22-8. 24 Jul 2012. USA: Hills Creek State Park, Tioga County, Pennsylvania.
- 12460 P Shahrestani and JD Vandenberg. 4 Dec 2013. USA: USDA ARS, R. W. Holley Center for Agriculture and Health, Ithaca, New York. Re-isolate of ARSEF 8246 following passage through *Drosophila melanogaster* [Diptera: Drosophilidae].
- 12573 SP Wraight (HI-3A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12574 SP Wraight (HI-6). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12575 SP Wraight (HI-8). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12576 SP Wraight (HI-12A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12577 SP Wraight (HI-14). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12578 SP Wraight (HI-15). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12579 SP Wraight (HI-16). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12580 SP Wraight (HI-18). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12581 SP Wraight (HI-20A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12582 SP Wraight (HI-21C). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12583 SP Wraight (HI-22A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12584 SP Wraight (HI-25). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*

- 12585 SP Wraight (HI-27). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12586 SP Wraight (HI-43). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12587 SP Wraight (HI-46). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12588 SP Wraight (HI-47). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12589 SP Wraight (HI-49A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12590 SP Wraight (HI-52A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12591 SP Wraight (HI-53A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12592 SP Wraight (HI-54). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12593 SP Wraight (HI-56). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12594 SP Wraight (HI-57). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12595 SP Wraight (HI-58). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12596 SP Wraight (HI-60). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12597 SP Wraight (HI-61). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12598 SP Wraight (HI-62). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12599 SP Wraight (HI-63). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12600 SP Wraight (HI-65A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 30 Apr 2014. USA: Mmalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12601 SP Wraight (HI-67). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 22 Apr 2014. USA: Onaka Farm, northwest field, Honaunau Road, Captain Cook, District of South Kona, Hawai'i. N 19.43122, W 155.89108. **RESTRICTED ACCESS:** *contact Curator.*
- 12602 SP Wraight (HI-68). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Apr 2014. USA: Onaka Farm, southwest field, Honaunau Road, Captain Cook, District of South Kona, Hawai'i. N 19.43072, W 155.89090. **RESTRICTED ACCESS:** *contact Curator.*
- 12603 SP Wraight (HI-70). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 18 Apr 2014. USA: OK Farms, north field, Amaulu Road, Hilo, Hawai'i. N 19.72794, W 155.11320.

- RESTRICTED ACCESS:** *contact Curator.*
- 12604 SP Wraight (HI-72). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Apr 2014. USA: Kirkland Farm, north-east field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43493, W 155.87320. **RESTRICTED ACCESS:** *contact Curator.*
- 12605 SP Wraight (HI-74). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Apr 2014. USA: Kirkland Farm, north-east field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43493, W 155.87320. **RESTRICTED ACCESS:** *contact Curator.*
- 12606 SP Wraight (HI-75). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Apr 2014. USA: Kirkland Farm, north-east field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43493, W 155.87320. **RESTRICTED ACCESS:** *contact Curator.*
- 12607 SP Wraight (HI-79). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Apr 2014. USA: Kirkland Farm, north-east field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43493, W 155.87320. **RESTRICTED ACCESS:** *contact Curator.*
- 12608 SP Wraight (HI-81). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Apr 2014. USA: Kirkland Farm, north-east field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43493, W 155.87320. **RESTRICTED ACCESS:** *contact Curator.*
- 12609 SP Wraight (HI-84). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Apr 2014. USA: Kirkland Farm, north-east field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43493, W 155.87320. **RESTRICTED ACCESS:** *contact Curator.*
- 12610 SP Wraight (HI-90). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Apr 2014. USA: Kirkland Farm, north-east field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43493, W 155.87320. **RESTRICTED ACCESS:** *contact Curator.*
- 12611 SP Wraight (HI-99). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43257, W 155.86932. **RESTRICTED ACCESS:** *contact Curator.*
- 12612 SP Wraight (HI-109). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43257, W 155.86932. **RESTRICTED ACCESS:** *contact Curator.*
- 12613 SP Wraight (HI-121). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12614 SP Wraight (HI-122). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12615 SP Wraight (HI-123). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 14 Apr 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12616 SP Wraight (HI-204). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 7 May 2014. USA: Mamelahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12617 SP Wraight (HI-205). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 7 May 2014. USA: Mamelahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12618 SP Wraight (HI-206B). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 7 May 2014. USA: Mamelahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12619 SP Wraight (HI-211). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 7 May 2014. USA: Mamelahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12620 SP Wraight (HI-805). Adult, *Xylosandrus compactus* [Coleoptera: Curculionidae: Scolytinae] from feral grove of *Coffea arabica* L., coffee. 7 May 2014. USA: Mamelahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.87710. **RESTRICTED ACCESS:** *contact Curator.*
- 12805 SP Wraight (HI-514). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 May 2014. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43257, W 155.86932. **RESTRICTED ACCESS:** *contact Curator.*
- 12806 SP Wraight (HI-528). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L.,

- coffee. 13 May 2014. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43257, W 155.86932. **RESTRICTED ACCESS:** *contact Curator.*
- 12807 SP Wraight (HI-548). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 May 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12808 SP Wraight (HI-552). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 May 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12809 SP Wraight (HI-685). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 21 May 2014. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12810 SP Wraight (HI-695). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 21 May 2014. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43257, W 155.86932. **RESTRICTED ACCESS:** *contact Curator.*
- 12811 SP Wraight (HI-711). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 21 May 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12812 SP Wraight (HI-720). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 21 May 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12813 SP Wraight (HI-751). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 7 May 2014. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12814 SP Wraight (HI-783). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 21 May 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12815 SP Wraight (HI-785). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 21 May 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12816 SP Wraight (HI-793). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 21 May 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12821 SP Wraight (HI-519). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 May 2014. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43257, W 155.86932.
- 12822 [Mycotech Corporation Bb1200, KOR] SP Wraight. *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 23 Feb 2015. Republic of Korea. From technical powder produced by Mycotech Corporation, November 1999. **RESTRICTED ACCESS:** *contact Curator.*
- 12823 [Mycotech Corporation Bb1200B] SP Wraight. Laboratory subculture from Mycotech Bb1200 (ARSEF 12822) From technical powder produced by SP Wraight, March 2000. Rec'd 23 Feb 2015. **RESTRICTED ACCESS:** *contact Curator.*
- 12824 [Mycotech Corporation Bb1200C] SP Wraight. Laboratory subculture from Mycotech Bb1200 (ARSEF 12822) From technical powder produced by SP Wraight, March 2000. Rec'd 23 Feb 2015. **RESTRICTED ACCESS:** *contact Curator.*
- 12825 [Mycotech Corporation Bb1200D] SP Wraight. Laboratory subculture from Mycotech Bb1200 (ARSEF 12822) From technical powder produced by SP Wraight, March 2000. Rec'd 23 Feb 2015. **RESTRICTED ACCESS:** *contact Curator.*
- 12856 [IP 420] Larva, 28 Jun 2014. RPPN SB, near Ecotourism. **RESTRICTED ACCESS:** *contact Curator.*
- 12891 SP Wraight (HI-520). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 May 2014. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43257, W 155.86932. **RESTRICTED ACCESS:** *contact Curator.*
- 12892 SP Wraight (HI-539). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 May 2014. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43253, W 155.86915. **RESTRICTED ACCESS:** *contact Curator.*
- 12893 SP Wraight (HI-516). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 May 2014. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43257, W 155.86932. **RESTRICTED ACCESS:** *contact Curator.*

- 12894 SP Wraight (HI-742). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 21 May 2014. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** contact Curator.
- 12957 M Barta (IK10) ← I Kautmanova. *Ips typographus* [Coleoptera: Scolytidae]. 5 Apr 2012. Slovakia: Michalovo. N 48.99945, E 19.76410. **RESTRICTED ACCESS:** contact Curator.
- 12958 M Barta (IK31) ← I Kautmanova. *Ips typographus* [Coleoptera: Scolytidae]. 9 Apr 2012. Slovakia: Zbojská. N 48.74650, E 19.84096.
- 12960 M Barta (IK44) ← I Kautmanova. *Ips typographus* [Coleoptera: Scolytidae]. 25 Apr 2012. Slovakia: Nebrová. N 49.11863, E 18.12467.
- 12961 M Barta (IK57) ← I Kautmanova. *Ips typographus* [Coleoptera: Scolytidae]. 12 May 2012. Slovakia: Oravská Polhora. N 49.52668, E 19.46842.
- 12962 M Barta (MK8) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 7 May 2012. Slovakia: Vysoké Tatry-Start. N 49.17913, E 20.25763.
- 12964 M Barta (MK16) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 4 May 2012. Slovakia: Stará Lesná. N 49.13860, E 20.29696.
- 12965 M Barta (MK26) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 10 May 2012. Slovakia: Stará Lesná. N 49.13860, E 20.29696.
- 12966 M Barta (MK39) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 14 May 2012. Slovakia: Stará Lesná. N 49.13860, E 20.29696.
- 12967 M Barta (MK124) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 16 May 2012. Slovakia: Branisko. N 49.02545, E 20.86159.
- 12968 M Barta (MK129) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 16 May 2012. Slovakia: Spissky Hrhov. N 48.99840, E 20.63610. **RESTRICTED ACCESS:** contact Curator.
- 12970 M Barta (MK207) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 5 Jun 2012. Slovakia: Hnilčík. N 48.85239, E 20.57028.
- 12971 M Barta (MK236) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 5 Jun 2012. Slovakia: Mlynky. N 48.85187, E 20.43762.
- 12973 M Barta (MK274) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 6 Jun 2012. Slovakia: Oravice. N 49.26698, E 19.74311.
- 12974 M Barta (MK299) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 6 Jun 2012. Slovakia: Oravice. N 49.31831, E 19.74380.
- 12975 M Barta (MK311) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 6 Jun 2012. Slovakia: Pod Sivým vrchom. N 49.20911, E 19.64951.
- 12977 M Barta (MK336) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 6 Jun 2012. Slovakia: Bobrovec. N 49.28109, E 19.75058.
- 12978 M Barta (MK341) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 6 Jun 2012. Slovakia: Rackova dolina. N 49.13691, E 19.79901.
- 12979 M Barta (MK380) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 1 Jul 2012. Slovakia: Pod Chocom, Lúcky. N 49.13844, E 19.39812.
- 12980 M Barta (MK387) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 1 Jul 2012. Slovakia: Demänovská dolina. N 49.00610, E 19.56816.

Beauveria bassiana sensu lato (Balsamo-Crivelli)
Vuillemin
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 12252 ST Jaronski (11D001). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12253 ST Jaronski (11D002). *Aulocara elliotti* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12254 ST Jaronski (11D004). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12255 ST Jaronski (11D005). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12256 ST Jaronski (11D006). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12257 ST Jaronski (11D007). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12258 ST Jaronski (11D008). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12259 ST Jaronski (11D009). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12260 ST Jaronski (11D010). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12261 ST Jaronski (11D011). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".

- 12262 ST Jaronski (11D012). *Aulocara femoratum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12263 ST Jaronski (11D013). *Aulocara ellioti* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12264 ST Jaronski (11D014). *Melanoplus confusus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12265 ST Jaronski (11D015). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12266 ST Jaronski (11D016). *Aulocara femoratum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12267 ST Jaronski (11D017). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12268 ST Jaronski (11D018). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12269 ST Jaronski (11D019). *Aulocara ellioti* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12270 ST Jaronski (11D020). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12271 ST Jaronski (11D021). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12272 ST Jaronski (11D022). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12273 ST Jaronski (11D023). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12274 ST Jaronski (11KS001). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12275 ST Jaronski (11KS002). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12276 ST Jaronski (11KS003). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12277 ST Jaronski (11KS004). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12278 ST Jaronski (11KS005). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12279 ST Jaronski (11KS006). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12280 ST Jaronski (11KS007). *Aulocara femoratum* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12281 ST Jaronski (11KS008). *Aulocara femoratum* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12282 ST Jaronski (11KS009). *Melanoplus confusus* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12283 ST Jaronski (11KS010). *Hadrotettix* sp. [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12284 ST Jaronski (11KS011). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12285 ST Jaronski (11KS012). *Camnula pellucida* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12286 ST Jaronski (11KS013). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12287 ST Jaronski (11KS015). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12288 ST Jaronski (11KS016). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12289 ST Jaronski (11KS017). *Aulocara ellioti* [Orthoptera: Acrididae]. 26 Aug 2011. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".

- 12398 ST Jaronski (MT11). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12399 ST Jaronski (MT13A-2). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12400 ST Jaronski (MT13C). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12401 ST Jaronski (MT14-1). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12402 ST Jaronski (MT17-1). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12403 ST Jaronski (MT22). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12405 ST Jaronski (MT29). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12406 ST Jaronski (MT35). *Melanoplus confusus* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12407 ST Jaronski (MT55-3). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12411 ST Jaronski (KS12-1). *Melanoplus infantilis* [Orthoptera: Acrididae]. 20 Aug 2010. USA: Severson Ranch, McKenzie County, North Dakota. N 47° 38' 26.87", W 103° 57' 24.57".
- 12415 ST Jaronski (28). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 26 Jul 2000. USA: Wold Farm, McKenzie County, North Dakota. N 48° 2.302', W 103° 9.693'.
- 12416 ST Jaronski (29). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 26 Jul 2000. USA: Wold Farm, McKenzie County, North Dakota. N 48° 2.302', W 103° 9.693'.
- 12417 ST Jaronski (31). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 20 Jul 2000. USA: USDA ARS Fort Keogh, Miles City, Montana. N 46° 22.136', W 105° 50.204'.
- 12418 ST Jaronski (33). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 26 Jul 2000. USA: Wold Farm, McKenzie County, North Dakota. N 48° 2.302', W 103° 9.693'.
- 12419 ST Jaronski (44). *Melanoplus* sp. [Orthoptera: Acrididae]. 28 Jul 2000. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12420 ST Jaronski (45). *Melanoplus* sp. [Orthoptera: Acrididae]. 28 Jul 2000. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12421 ST Jaronski (46). *Melanoplus* sp. [Orthoptera: Acrididae]. 28 Jul 2000. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12422 ST Jaronski (54). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 6 Jul 2000. USA: USDA ARS Fort Keogh, Miles City, Montana. N 46° 22.136', W 105° 50.204'.
- 12423 ST Jaronski (56). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 26 Jul 2000. USA: Wold Farm, McKenzie County, North Dakota. N 48° 2.302', W 103° 9.693'.
- 12425 ST Jaronski (63). *Ageneotettix deorum* [Orthoptera: Acrididae]. 24 Jul 2000. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12426 ST Jaronski (68). *Melanoplus* sp. [Orthoptera: Acrididae]. 14 Jul 2000. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12427 ST Jaronski (87). *Melanoplus* sp. [Orthoptera: Acrididae]. 8 Aug 2000. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12428 ST Jaronski (95). *Melanoplus* sp. [Orthoptera: Acrididae]. 10 Aug 2000. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12430 ST Jaronski (109). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 11 Aug 2000. USA: Sather Lake, McKenzie County, North Dakota. N 47° 38' 49.51", W 103° 47' 47.53".
- 12431 ST Jaronski (135). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 31 Aug 2000. USA: Wold Farm, McKenzie County, North Dakota. N 48° 2.302', W 103° 9.693'.
- 12432 ST Jaronski (46A). *Ageneotettix deorum* [Orthoptera: Acrididae]. 28 Jul 2000. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12434 ST Jaronski (11AW452). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 20 Jun 2011. USA: Roosevelt County, Montana. N 48.01999, W 104.08204.
- 12435 ST Jaronski (11AW479). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 20 Jun 2011. USA: Richland County, Montana. N 47.74546, W 104.12953.
- 12436 ST Jaronski (12AW323). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Richland County, Montana. N 47.64180, W 104.19949.
- 12437 ST Jaronski (12AW332). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Richland County, Montana. N 47.78444, W 104.08774.
- 12439 ST Jaronski (12AW457). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Richland County, Montana. N 47.495, W 104.295.
- 12440 ST Jaronski (12AW457-1). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Richland County, Montana. N 47.495, W 104.295.
- 12441 ST Jaronski (12AW457-2). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Richland County, Montana. N 47.495, W 104.295.

- 12442 ST Jaronski (12AW457-3). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Richland County, Montana. N 47.495, W 104.295.
- 12443 ST Jaronski (12AW491-1). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Richland County, Montana. N 47.39831, W 104.38053.
- 12444 ST Jaronski (12AW491-2). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Williams County, North Dakota. N 47.39831, W 104.38053.
- 12445 ST Jaronski (13AW336). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 Jun 2013. USA: Roosevelt County, Montana. N 48.01487, W 103.81691.
- 12446 ST Jaronski (13AW340-1A). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 Jun 2013. USA: McKenzie County, North Dakota. N 47.95783, W 103.94684.
- 12447 ST Jaronski (13AW340-2). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 Jun 2013. USA: McKenzie County, North Dakota. N 47.95783, W 103.94684.
- 12448 ST Jaronski (13AW344). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 Jun 2013. USA: Richland County, Montana.
- 12449 ST Jaronski (13AW447). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 Jun 2013. USA: Richland County, Montana. N 47.46772.
- 12450 ST Jaronski (13AW473). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 Jun 2013. USA: Richland County, Montana. N 47.57947, W 104.26116.
- 12451 ST Jaronski (13AW483). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 Jun 2013. USA: Richland County, Montana. N 47.91715, W 103.94075.
- 12462 ST Jaronski (13WS15). *Cephus cinctus* [Hymenoptera: Cephidae]. 28 Aug 2013. USA: Devon, Montana.
- 12463 ST Jaronski (13WS16). *Cephus cinctus* [Hymenoptera: Cephidae]. 28 Aug 2013. USA: Devon, Montana.
- 12464 ST Jaronski (13WS17). *Cephus cinctus* [Hymenoptera: Cephidae]. 28 Aug 2013. USA: Devon, Montana.
- 12465 ST Jaronski (13WS18). *Cephus cinctus* [Hymenoptera: Cephidae]. 28 Aug 2013. USA: Devon, Montana.
- 12467 ST Jaronski (13WS20). *Cephus cinctus* [Hymenoptera: Cephidae]. 28 Aug 2013. USA: East Knee, Chouteau County, Montana.
- 12468 ST Jaronski (13WS22). *Cephus cinctus* [Hymenoptera: Cephidae]. 23 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12469 ST Jaronski (13WS23). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12470 ST Jaronski (13WS24). *Cephus cinctus* [Hymenoptera: Cephidae]. 23 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12471 ST Jaronski (13WS25). *Cephus cinctus* [Hymenoptera: Cephidae]. 23 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12472 ST Jaronski (13WS26). *Cephus cinctus* [Hymenoptera: Cephidae]. 23 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12473 ST Jaronski (13WS27). *Cephus cinctus* [Hymenoptera: Cephidae]. 23 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12474 ST Jaronski (13WS28). *Cephus cinctus* [Hymenoptera: Cephidae]. 23 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12475 ST Jaronski (13WS29). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12476 ST Jaronski (13WS30). *Cephus cinctus* [Hymenoptera: Cephidae]. 29 Aug 2013. USA: East Knee, Chouteau County, Montana.
- 12477 ST Jaronski (13WS31). *Cephus cinctus* [Hymenoptera: Cephidae]. 6 Sep 2013. USA: Devon, Montana.
- 12478 ST Jaronski (13WS32A). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12479 ST Jaronski (13WS32B). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12480 ST Jaronski (13WS33A). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12482 ST Jaronski (13WS34). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12484 ST Jaronski (13WS36). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12485 ST Jaronski (13WS37). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12486 ST Jaronski (13WS38). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12487 ST Jaronski (13WS39). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12488 ST Jaronski (13WS40). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12489 ST Jaronski (13WS41). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013.
- 12490 ST Jaronski (13WS42). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12491 ST Jaronski (13WS43). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12492 ST Jaronski (13WS44). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.

- 12493 ST Jaronski (13WS45). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12494 ST Jaronski (13WS46). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12495 ST Jaronski (13WS47). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12496 ST Jaronski (13WS49). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12497 ST Jaronski (13WS50). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12498 ST Jaronski (13WS51). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12499 ST Jaronski (13WS52). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12500 ST Jaronski (13WS53). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12501 ST Jaronski (13WS54). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12502 ST Jaronski (13WS55). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12503 ST Jaronski (13WS56). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12504 ST Jaronski (13WS57). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12505 ST Jaronski (13WS58). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12506 ST Jaronski (13WS59). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12507 ST Jaronski (13WS60). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12508 ST Jaronski (13WS61). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: East Knee, Patton Farm, Chouteau County, Montana. N 47 58.285, W 111 15.121.
- 12509 ST Jaronski (13WS62). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: East Knee, Patton Farm, Chouteau County, Montana. N 47 58.285, W 111 15.121.
- 12510 ST Jaronski (13WS63). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: East Knee, Patton Farm, Chouteau County, Montana. N 47 58.285, W 111 15.121.
- 12512 ST Jaronski (13WS65 [B]). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12514 ST Jaronski (13WS67). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: East Knee, Patton Farm, Chouteau County, Montana. N 47 58.285, W 111 15.121.
- 12515 ST Jaronski (13WS68). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: East Knee, Patton Farm, Chouteau County, Montana. N 47 58.285, W 111 15.121.
- 12517 ST Jaronski (12AW323-4 f3). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 6 Jun 2012. USA: Richland County, Montana. N 47.64180, W 104.19949.
- 12518 ST Jaronski (12AW462-1 f3). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 8 Jun 2012. USA: Roosevelt County, Montana. N 48.01999, W 104.08204.
- 12519 ST Jaronski (12AW483-2 f3). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 2012. USA: Richland County, Montana. N 47.91715, W 103.94075.
- 12520 ST Jaronski (12AW483-5 f3). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 2012. USA: Richland County, Montana. N 47.91715, W 103.94075.
- 12521 ST Jaronski (12AW483-6 f3). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 2012. USA: Richland County, Montana. N 47.91715, W 103.94075.
- 12522 ST Jaronski (12AW483-8 f3). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 2012. USA: Richland County, Montana. N 47.91715, W 103.94075.
- 12525 ST Jaronski (13WS65 [A]). *Cephus cinctus* [Hymenoptera: Cephidae]. 2013. USA: Bjeland Farm, Conrad, Montana. N 48 12.306, W 111 30.380.
- 12526 ST Jaronski (MT12-1 [A]). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12527 ST Jaronski (MT12-1 [B]). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 28 Aug 2010. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12528 ST Jaronski (11D011A). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12529 ST Jaronski (11D014A). *Melanoplus confusus* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".
- 12530 ST Jaronski (11D016A). *Aulocara femoratum* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Dietz Ranch, Golden Valley County, North Dakota. N 46° 59' 42.51", W 103° 50' 10.20".

- 12531 ST Jaronski (11D024) or (11D02Y). Rec'd 7 Aug 2013.
- 12532 ST Jaronski (11KS042). Rec'd 7 Aug 2013.
- 12533 ST Jaronski (11L005B). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12534 ST Jaronski (11L016B). *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 25 Aug 2011. USA: Lardy Ranch, Golden Valley County, North Dakota. N 47° 0' 3.80", W 103° 46' 1.16".
- 12535 ST Jaronski (11MT017B). *Melanoplus femurrubrum* [Orthoptera: Acrididae]. 29 Aug 2011. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12536 ST Jaronski (11SD030). Rec'd 7 Aug 2013.
- 12572 ST Jaronski (11MT018B). *Melanoplus bivittatus* [Orthoptera: Acrididae]. 29 Aug 2011. USA: Sidney, Montana. N 47° 43' 43.09", W 104° 11' 18.82".
- 12910 R Canhilal (195a). Isolated from soil sample collected beneath grass. 21 Nov 2012. Turkey: Adana.
- 12915 R Canhilal (307a). Isolated from soil sample collected beneath *Cucurbita* sp., squash. 21 Nov 2012. Turkey: Adana.
- 12916 R Canhilal (310). Isolated from soil sample collected beneath *Punica granatum* L., pomegranate. 21 Nov 2012. Turkey: Adana.
- 12920 ST Jaronski (14WS01). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12921 ST Jaronski (14WS03). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12922 ST Jaronski (14WS05). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12923 ST Jaronski (14WS06). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12924 ST Jaronski (14WS07). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12925 ST Jaronski (14WS08). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12926 ST Jaronski (14WS09). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12927 ST Jaronski (14WS10). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12928 ST Jaronski (14WS12). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12929 ST Jaronski (14WS13). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12930 ST Jaronski (14WS14). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12931 ST Jaronski (14WS17). *Cephus cinctus* [Hymenoptera: Cephidae]. 8 Dec 2014. USA: Saco, Montana. Site ID # SVS015. N 48.307147, W 111.930707.
- 12932 ST Jaronski (14WS18). *Cephus cinctus* [Hymenoptera: Cephidae]. 9 Jan 2015. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # Loma MT1078.1. N 48.075547, W 110.45955.
- 12933 ST Jaronski (14WS19). *Cephus cinctus* [Hymenoptera: Cephidae]. 9 Jan 2015. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # Loma MT1078.2. N 48.075547, W 110.45955.
- 12934 ST Jaronski (14WS20). *Cephus cinctus* [Hymenoptera: Cephidae]. 9 Jan 2015. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # Loma MT1078.3. N 48.075547, W 110.45955.
- 12935 ST Jaronski (14WS21). *Cephus cinctus* [Hymenoptera: Cephidae]. 30 Jan 2015. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # MSU Site 5. N 48.075547, W 110.45955.
- 12936 ST Jaronski (14WS22). *Cephus cinctus* [Hymenoptera: Cephidae]. 19 Jan 2015. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # Loma WB-Quake 3. N 48.075547, W 110.45955.
- 12937 ST Jaronski (14WS23). *Cephus cinctus* [Hymenoptera: Cephidae]. 19 Jan 2015. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # Loma WB-Quake 2. N 48.075547, W 110.45955.
- 12938 ST Jaronski (14WS24). *Cephus cinctus* [Hymenoptera: Cephidae]. 19 Jan 2015. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # Loma WB-Quake 1. N 48.075547, W 110.45955.
- 12939 ST Jaronski (14WS25). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # C. N 48.075547, W 110.45955.
- 12940 ST Jaronski (14WS26). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # S1. N 48.075547, W 110.45955.
- 12942 ST Jaronski (14WS28). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # R2&R3. N 48.075547, W 110.45955.
- 12943 ST Jaronski (14WS29). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.

- 12944 ST Jaronski (14WS30). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12945 ST Jaronski (14WS31). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12946 ST Jaronski (14WS32). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12947 ST Jaronski (14WS35). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12948 ST Jaronski (14WS36). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12949 ST Jaronski (14WS37). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12950 ST Jaronski (14WS38). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12951 ST Jaronski (14WS39). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12952 ST Jaronski (14WS40). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: Cullin Farms site, Hemingford, Nebraska. Site ID # NE06B. N 42.233125, W 103.014621.
- 12953 ST Jaronski (14WS41). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: C. Stoner farm, Hill County, Montana. Site ID # MT13. N 48.219439, W 111.505722.
- 12954 ST Jaronski (14WS42). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: C. Stoner farm, Hill County, Montana. Site ID # MT13. N 48.219439, W 111.505722.
- 12955 ST Jaronski (14WS43). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: C. Stoner farm, Hill County, Montana. Site ID # MT13. N 48.219439, W 111.505722.
- 12956 ST Jaronski (14WS44). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: C. Stoner farm, Hill County, Montana. Site ID # MT13. N 48.219439, W 111.505722.
- 12982 SP Wraight (HI-806). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 11 Mar 2015. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12983 SP Wraight (HI-807A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 11 Mar 2015. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12984 SP Wraight (HI-807B). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 11 Mar 2015. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12985 SP Wraight (HI-809). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 11 Mar 2015. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12986 SP Wraight (HI-810). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 11 Mar 2015. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12987 SP Wraight (HI-811). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] from feral grove of *Coffea arabica* L., coffee. 11 Mar 2015. USA: Mamalahoa Highway, Captain Cook, District of South Kona, Hawai'i. N 19.39038, W 155.8771. **RESTRICTED ACCESS:** *contact Curator.*
- 12988 SP Wraight (HI-815A). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 9 Mar 2015. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12989 SP Wraight (HI-815B). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 9 Mar 2015. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12990 SP Wraight (HI-816B). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 9 Mar 2015. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. N 19.43256, W 155.86946. **RESTRICTED ACCESS:** *contact Curator.*
- 12991 SP Wraight (HI-818). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 9 Mar 2015. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South

- 13076 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 Mar 2015. USA: OK Farms, Amaulu Road, Hilo, Hawai'i. HI-885. **RESTRICTED ACCESS:** *contact Curator.*
- 13077 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 Mar 2015. USA: OK Farms, Amaulu Road, Hilo, Hawai'i. HI-886A. **RESTRICTED ACCESS:** *contact Curator.*
- 13078 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 Mar 2015. USA: OK Farms, Amaulu Road, Hilo, Hawai'i. HI-886B. **RESTRICTED ACCESS:** *contact Curator.*
- 13079 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 Mar 2015. USA: OK Farms, Amaulu Road, Hilo, Hawai'i. HI-887. **RESTRICTED ACCESS:** *contact Curator.*
- 13080 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 Mar 2015. USA: OK Farms, Amaulu Road, Hilo, Hawai'i. HI-888. **RESTRICTED ACCESS:** *contact Curator.*
- 13081 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 Mar 2015. USA: OK Farms, Amaulu Road, Hilo, Hawai'i. HI-889. **RESTRICTED ACCESS:** *contact Curator.*
- 13082 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 Mar 2015. USA: OK Farms, Amaulu Road, Hilo, Hawai'i. HI-890. **RESTRICTED ACCESS:** *contact Curator.*
- 13083 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 13 Mar 2015. USA: OK Farms, Amaulu Road, Hilo, Hawai'i. HI-891. **RESTRICTED ACCESS:** *contact Curator.*
- 13084 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Mar 2015. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-892. **RESTRICTED ACCESS:** *contact Curator.*
- 13085 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Mar 2015. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-894. **RESTRICTED ACCESS:** *contact Curator.*
- 13086 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Mar 2015. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-895. **RESTRICTED ACCESS:** *contact Curator.*
- 13087 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 16 Mar 2015. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-896. **RESTRICTED ACCESS:** *contact Curator.*
- 13089 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 22 Mar 2015. USA: Smith Farms, west field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-899. **RESTRICTED ACCESS:** *contact Curator.*
- 13090 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 22 Mar 2015. USA: Smith Farms, west field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-900. **RESTRICTED ACCESS:** *contact Curator.*
- 13091 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 22 Mar 2015. USA: Smith Farms, north field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-901. **RESTRICTED ACCESS:** *contact Curator.*
- 13092 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 22 Mar 2015. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-902. **RESTRICTED ACCESS:** *contact Curator.*
- 13093 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 22 Mar 2015. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-904. **RESTRICTED ACCESS:** *contact Curator.*
- 13094 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 22 Mar 2015. USA: Smith Farms, south field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-905. **RESTRICTED ACCESS:** *contact Curator.*
- Beauveria bassiana* sensu stricto** (Balsamo-Crivelli) Vuillemin
[Sordariomycetes: Hypocreales]
These isolates have been genomically confirmed to be *Beauveria bassiana* in the strict sense as designated by Rehner et al. (2011. Mycologia 103: 1055-1073).
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- 300 RS Soper. *Nysius vinitor* [Hemiptera: Lygaeidae] on sunflower. 17 Jan 1979. Australia: Tamworth, New South Wales. Identification verified genomically.
- 751 P Jolivet. [Coleoptera: Chrysomelidae]. Apr 1982. Vietnam: Cuc Phuong Forest. Identification verified genomically.
- 7518 M Shimazu (F-1208). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature). Identification verified genomically.
- 12339 LA Castrillo (FRA2). Isolated from agricultural soil sample. May 2003. USA: Homer C. Thompson Vegetable Research Farm, Freeville, New York.
- 12340 LA Castrillo (FRA4). Isolated from agricultural soil sample. May 2003. USA: Homer C. Thompson Vegetable Research Farm, Freeville, New York.
- 12341 LA Castrillo (FRB2). Isolated from agricultural soil sample. May 2003. USA: Homer C. Thompson Vegetable Research Farm, Freeville, New York.

- 12342 LA Castrillo (FRB5). Isolated from agricultural soil sample. May 2003. USA: Homer C. Thompson Vegetable Research Farm, Freeville, New York.
- 12343 LA Castrillo (FRC5). Isolated from agricultural soil sample. May 2003. USA: Homer C. Thompson Vegetable Research Farm, Freeville, New York.
- 12344 LA Castrillo (FRD2). Isolated from agricultural soil sample. May 2003. USA: Homer C. Thompson Vegetable Research Farm, Freeville, New York.
- 12345 LA Castrillo (CNC10). Isolated from agricultural soil sample. Oct 2002. USA: organic farm, Candor, New York.
- 12346 LA Castrillo (FRE2). Isolated from agricultural soil sample. May 2003. USA: Homer C. Thompson Vegetable Research Farm, Freeville, New York.
- 12347 LA Castrillo ← SL Annis and E Groden (DM1). Isolated from agricultural soil sample. Summer 2000. USA: Goranson Farm, Dresden Mills, Maine.
- 12348 LA Castrillo ← SL Annis and E Groden (DM8). Isolated from agricultural soil sample. Summer 2000. USA: Goranson Farm, Dresden Mills, Maine.
- 12349 LA Castrillo ← SL Annis and E Groden (DM9). Isolated from agricultural soil sample. Summer 2000. USA: Goranson Farm, Dresden Mills, Maine.
- 12350 LA Castrillo ← SL Annis and E Groden (DM22). Isolated from agricultural soil sample. Summer 2000. USA: Goranson Farm, Dresden Mills, Maine.
- 12351 LA Castrillo ← SL Annis and E Groden (DMA56). Isolated from agricultural soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 12352 LA Castrillo ← SL Annis and E Groden (DMA68). Isolated from agricultural soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 12353 LA Castrillo ← SL Annis and E Groden (DMA93). Isolated from agricultural soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.
- 12354 LA Castrillo ← SL Annis and E Groden (AR9). Isolated from agricultural soil sample. Summer 2000. USA: Presque Isle, Maine.
- 12355 LA Castrillo ← SL Annis and E Groden (AR17). Isolated from agricultural soil sample. Summer 2000. USA: Presque Isle, Maine.
- Beauveria bassiana*(?) (Balsamo-Crivelli) Vuillemin [Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 5182 S Gouli (GA-91). Phylum Arthropoda, Class Chilopoda. 29 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5644 [IITA 82] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 3 Jul 1996. Benin: IITA field, Cotonou, Atlantique.
- 5684 BL Parker (SPT-084). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5815 BL Parker (HWA 242/2). *Adelges tsugae* [Hemiptera: Adelgidae]. Rec'd 13 Jul 1998.
- 5816 BL Parker (AT 062). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.
- 5817 BL Parker (AT 063). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.
- 5818 BL Parker (AT 069). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.
- 5959 JL Stimac (UF 542). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.
- 5975 JL Stimac (UF SP74). From nest soil of *Solenopsis* Apr 1989. USA: Gainesville, Florida.
- 5976 JL Stimac (UF SP86). From nest soil of *Solenopsis* Apr 1989. USA: Gainesville, Florida.
- 5990 JL Stimac (UF MVT). *Trachemys scripta* [Chelonia: Emydidae]. Rec'd 23 Nov 1998. Spain.
- 6608 JL Hatting. *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 27 Sep 2000. Hungary: greenhouse, Budapest, Budapest.
- 6890 H Cortez Madrigal (B1). [Coleoptera: Chrysomelidae] on *Eucalyptus* sp. 30 Sep 1999. Mexico: Huimanguillo, Tabasco.
- 6891 H Cortez Madrigal (B2). [Coleoptera: Chrysomelidae] on weeds. 10 Oct 2000. Mexico: Cárdenas, Tabasco.
- 6892 E Zhioua (T73). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Rec'd May 2001.
- 8801 LA Castrillo (L1s1). Isolated from soil sample. 25 Sep 2007. USA: Willoughby Park, Lansing, Michigan. .
- 8802 LA Castrillo (L2s1). Isolated from soil sample. 25 Sep 2007. USA: Willoughby Park, Lansing, Michigan. .
- 8803 LA Castrillo (L3s1). Isolated from soil sample. 25 Sep 2007. USA: Willoughby Park, Lansing, Michigan.
- 8804 LA Castrillo (L5s1). Isolated from soil sample. 25 Sep 2007. USA: Willoughby Park, Lansing, Michigan.
- 8805 LA Castrillo (A2s5). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.
- 8807 LA Castrillo (A3s2). Isolated from soil sample. 25 Sep 2008. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.
- 8808 LA Castrillo (A4s2). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.
- 8809 LA Castrillo (A5s1). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.
- 8810 LA Castrillo (A5s3). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.
- 8811 LA Castrillo (A1b1). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.

- 8812 LA Castrillo (R6b1). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 8813 LA Castrillo (R6b3). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 8814 LA Castrillo (R8b3). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 8815 LA Castrillo (R8b5). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 8816 LA Castrillo (R8b8). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 8817 LA Castrillo (R7s1). Isolated from soil sample. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 8818 LA Castrillo (R8s1). Isolated from soil sample. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 8819 LA Castrillo (R8s3). Isolated from soil sample. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.
- 9271 Z Demirbag and E Tanyeli (Dm-5). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.
- Beauveria brongniartii*** (Saccardo) Petch
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Beauveria tenella* (Saccardo) MacLeod.
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- 617 ATCC (26156) ← P Ferron (6). Larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Rec'd 27 May 1981. France. Identification verified genomically. CULTURE EX TYPE from specimen proposed for conservation as species type.
- 678 DW Roberts (101481-4-1). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 14 Oct 1981. PR China: Hunan.
- 979 [GCRI 64-82] RA Hall ← J Fargues. *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France. Identification verified genomically.
- 985 J Aoki (Beau. 22) ← K Katagiri ← T Kushida. *Anomala costata* [Coleoptera: Scarabaeidae]. Nov 1971. Japan: Hachioji, Tokyo Prefecture. Identification verified genomically.
- 1067 TJ Poprawski ← S Keller (117). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 10 May 1982. Switzerland: Buhwil, Thurgau.
- 1068 TJ Poprawski ← S Keller (118). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 10 May 1982. Switzerland: Buhwil, Thurgau.
- 1069 TJ Poprawski ← S Keller (119). *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd Feb 1984. Switzerland. Mixture of 3 strains.
- 1070 TJ Poprawski ← S Keller (120). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Jul 1982. Switzerland: Breitenloo, Thurgau.
- 1071 TJ Poprawski ← S Keller (125). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.
- 1072 TJ Poprawski ← S Keller (126). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.
- 1076 S Keller (131). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Istighofen, Thurgau.
- 1077 S Keller (134). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 8 Dec 1983. Switzerland: Bleiken, Thurgau.
- 1366 S Balazy (1594d). Rec'd 19 May 1984. Poland.
- 1431 MC Rombach (A). *Niphonoclea* sp. [Coleoptera: Cerambycidae] on forest litter. Apr 1984. Philippines: UPLB Botanical Garden, Los Baños, Manila.
- 1829 [ARSEF 1481 (lost)] SB Alves (258). *Castnia licus* [Lepidoptera: Castniidae] on sugar cane. Acc'd 29 Jan 1985. Brazil: Pernambuco.
- 1830 [ARSEF 1482 (lost)] SB Alves (210). *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. Acc'd 29 Jan 1985. Brazil: São Paulo.
- 1871 S Keller (165). Rec'd 27 Mar 1985. Location not specified.
- 1872 S Keller (166). Rec'd 27 Mar 1985. Location not specified.
- 1873 S Keller (167). Rec'd 27 Mar 1985. Location not specified.
- 1874 S Keller (168). Rec'd 27 Mar 1985. Location not specified.
- 1875 S Keller (169). Rec'd 27 Mar 1985. Location not specified.
- 2271 BT Forschler (RF-3). Adult, *Cyrtopistomus castaneus* [Coleoptera: Curculionidae]. Sep 1986. USA: Robinson Forest, Univ. of Kentucky, Breathitt County, Kentucky. Identification verified genomically.
- 2660 C Gopalakrishnan (31). Adult, [Coleoptera]. Rec'd Nov 1988. India.
- 3054 [MAF F1] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.
- 4024 T Steenberg (226) ← A Kirkeby-Thomse. *Ips typographus* [Coleoptera: Scolytidae] on Sitka spruce. Rec'd Nov 1993. Denmark.
- 4362 LA Lacey (94126). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido. Identification verified genomically.
- 4363 LA Lacey (94128). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido. Identification verified genomically.
- 4380 LA Lacey (94141) ← CAAS (CZN.9301). [Coleoptera: Scarabaeidae]. 7 May 1994. Location not specified.

- 4381 LA Lacey (94142) ← CAAS (4pl). [Coleoptera: Scarabaeidae]. 7 May 1994. Location not specified.
- 4385 LA Lacey (94136). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4386 LA Lacey (94137). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4388 LA Lacey (94139). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4389 LA Lacey (94131). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4458 LA Lacey (94127). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo Golf Course, Sapporo, Hokkaido.
- 4465 LA Lacey (94143). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4466 LA Lacey (94144). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4467 LA Lacey (94145). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4468 LA Lacey (94146). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4469 LA Lacey (94147). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4470 LA Lacey (94148). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4471 LA Lacey (94149). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4472 LA Lacey (94150). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4473 LA Lacey (94151). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4475 LA Lacey (94153). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4476 LA Lacey (94154). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4477 LA Lacey (94155). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4478 LA Lacey (94156). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4992 LA Lacey (95050). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4993 LA Lacey (95052). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4994 LA Lacey (95053). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4995 LA Lacey (95054). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 5355 LA Lacey (96015). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5356 LA Lacey (96016). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5357 LA Lacey (96017). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5358 LA Lacey (96018). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5359 LA Lacey (96019). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5360 LA Lacey (96020). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5361 LA Lacey (96021). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5362 LA Lacey (96022). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5363 LA Lacey (96023). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5364 LA Lacey (96024). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 6023 BL Parker ← V Gouli (SPT-R-201). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6213 AE Hajek (1). Adult, *Barypeithes pellucida* [Coleoptera: Curculionidae] in leaf litter. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
- 6214 AE Hajek (2A). Adult, *Barypeithes pellucida* [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
- 6215 AE Hajek (3A). Adult, *Barypeithes pellucida* [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.
- 6235 [RCEF 0385] *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. Rec'd 24 Aug 1999. Japan.
- 6412 M Shimazu (F-1101). *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. 8 Dec 1993. Japan: Kukisaki, Ibaraki Prefecture.
- 6437 Acc'd 9 Mar 2001.
- 6438 Acc'd 9 Mar 2001.
- 6439 Acc'd 9 Mar 2001.
- 6440 Acc'd 9 Mar 2001.
- 7058 E Groden (Ant 1 / Bio 1). *Myrmica rubra* [Hymenoptera: Formicidae]. 13 Aug 2002. USA: Otter Creek, north end of Otter Cove, Mount Desert Island, Maine. Identification verified genomically.

- 7268 JM Sung (EFCC 5119). [Coleoptera: Carabidae]. 14 Jul 2000. Republic of Korea: Undoorung, Kangwon-do. Identification verified genomically.
- 7376 DM Gibson. Adult, *Magiccada septendecim* [Hemiptera: Cicadidae]. 9 Jun 2004. USA: ARS National Visitor Center, Beltsville, Maryland. Identification verified genomically.
- 7528 S Keller (812). 3rd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 23 Oct 2002. Switzerland: Innertkirchen, Bern.
- 7555 I Klingen (NCRI 57/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.
- 7556 I Klingen (NCRI 71/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7557 I Klingen (NCRI 73/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7558 I Klingen (NCRI 74/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.
- 7559 I Klingen (NCRI 86/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7560 I Klingen (NCRI 223/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7561 I Klingen (NCRI 233/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7761 [CBS 326.67; IMI 232818] *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd 10 Jun 2005. Netherlands.
- 7762 [IMI 303228] From spawned mushroom compost. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** consult Curator.
- 8034 NV Meyling (KVL 03-140). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.
- 9452 [SRCAMB VL-1582] V Likhovidov. Larva, [Coleoptera: Elateridae]. 14 Sep 2004. Russian Federation: Caucasus Mountains, Karachayevo-Cherkessiya Republ. Field Collection Number F-508.
- 9453 [SRCAMB AS-657] V Likhovidov. Isolated from soil sample. Sep 2005. Russian Federation: Tver Region. Field Collection Number F-1028.
- 9599 X Zou (6). [Lepidoptera: Noctuidae]. Rec'd 19 Jan 2010. PR China: Guizhou Province.
- 10277 DJ Bruck (IP-780) and J Fisher. Rhizosphere of blueberry crop. 21 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- 10278 DJ Bruck (IP 951) and J Fisher. Rhizosphere of blueberry crop. 21 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- 10279 DJ Bruck (IP 957) and J Fisher. Rhizosphere of grape crop. 5 Aug 2009. USA: Polk County, Oregon.
- 10280 DJ Bruck (IP 969) and J Fisher. Rhizosphere of blueberry crop. 31 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.
- Beauveria caledonica* Bissett & Widden
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 1567 S Keller (D156). [Coleoptera: Scolytidae]. 14 Aug 1984. Switzerland: Siblingen, Schaffhausen. Identification verified genomically.
- 2251 IMI ← HC Evans (Ro 596). Adult, [Coleoptera]. Feb 1980. Brazil: Belém, Pará. Identification verified genomically.
- 2567 CCFC (DAOM 191855) ← P Widden. Natural heather moors, A1 horizon. Rec'd 17 May 1988. Scotland: Banchory, Grampian. CULTURE EX TYPE.
- 4302 [DAT 333] AC Rath (F333) ← H Yip (HY26). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania. Identification verified genomically.
- 7117 WK Reeves. [Orthoptera: Gryllacrididae]. 4 Apr 2003. USA: Rusty's Cave, Dade County, Georgia. Identification verified genomically.
- 8024 NV Meyling (KVL 03-70). *Amphimallon solstitiale* [Coleoptera: Scarabaeidae] from soil. 12 Jul 2000. Denmark: Jægerspris, Zealand. Identification verified genomically.
- 12963 M Barta (MK11) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 7 May 2012. Slovakia: Vysoké Tatry-Start. N 49.17913, E 20.25763.
- 12969 M Barta (MK205) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 5 Jun 2012. Slovakia: Hnilčík. N 48.85239, E 20.57028.
- 12972 M Barta (MK263) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 5 Jun 2012. Slovakia: Biele Vody. N 48.86796, E 20.40474.
- Beauveria hoplocheli* sp. nov.
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 13021 [MNHN RF-06107] L Costet. *Hoplochelus marginalis* [Coleoptera: Melolonthidae]. 1993. France: Sainte-Thérèse, Reunion Island. CULTURE EX TYPE.

Beauveria kipukae SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

7032 RG Hollingsworth (KNF2002-1). [Hemiptera: Delphacidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii. CULTURE EX TYPE.

Beauveria lii S. L. Zhang, B. Huang (sp. nov., unpublished)[Sordariomycetes: Hypocreales]
Cordycipitaceae11741 [RCEF 5500] B Huang. Larva, *Henosepilachna vigintioctopunctata* [Coleoptera: Coccinellidae] (XY20100923-63). 23 Sep 2010. PR China: Xunyi County, Xianyang City, Shaanxi Province. CULTURE EX TYPE. Sequence data: GenBank.***Beauveria malawiensis*** SA Rehner & Aquino de Muro
[Sordariomycetes: Hypocreales]

Cordycipitaceae

4755 [DAT 367] AC Rath (F367) ← H Yip (HY227). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania. Identification verified genomically.

7760 [IMI 228343] *Phoracantha semipunctata* [Coleoptera: Cerambycidae]. 4 May 1978. Malawi: Zomba, Southern. CULTURE EX TYPE.***Beauveria pseudobassiana*** SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

152 M Wojciechowska (310-76). *Pamphilius betulae* [Hymenoptera: Pamphiliidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.

156 M Wojciechowska (1092). [Hymenoptera: Ichneumonidae] parasitic on lepidopteran. Rec'd 18 Jul 1977. Poland.

157 M Wojciechowska (1110). *Anthicus floralis* [Coleoptera: Anthicidae]. Rec'd 18 Jul 1977. Poland.

292 DW Roberts ← O Alyoshina. Single spore reisolat of Boverin formulation. Apr 1978. Commonwealth of Independent States.

299 RC Hedlund. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1978. Rumania: 1 km W of Pasarea on Rt. 3, Pasarea, Muntenia.813 GG Soares (6). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.814 GG Soares (10). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.

1359 S Balazy (1597a). Rec'd 19 May 1984. Poland.

1360 S Balazy (1599). Rec'd 19 May 1984. Poland.

1565 KV Deseö (109) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emilia), Emilia-Romagna.1855 P Spencer and HS Whitney (R640). Adult, *Ips* sp. [Coleoptera: Scolytidae]. Jul 1984. Canada: Christina Lake, British Columbia. Identification verified genomically.2455 UAMH (4132) ← GS Bulmer (05-78). *Alligator mississippiensis* [Crocodylia: Alligatoridae]. May 1978. USA: City Zoo, Oklahoma City, Oklahoma.

2557 S Sandoval (95). Adult, [Coleoptera: Cerambycidae]. Acc'd 18 Mar 1988. Ecuador.

2997 MS Goettel. *Vespula vulgaris* [Hymenoptera: Vespidae]. 24 Feb 1990. Canada: Lethbridge, Alberta. Genomically identified by SA Rehner.3055 [MAF F6] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.3063 [MAF F13] T Glare. *Sitona* sp. [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.3065 [MAF F28] T Glare. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.3066 [MAF F29] T Glare. *Paropsis charybdis* [Coleoptera: Chrysomelidae]. Rec'd Oct 1990. New Zealand: South Island.3070 [MAF F33] T Glare. *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: Christchurch, South Island.3121 G Mercadier and TJ Poprawski (8852). [Hemiptera: Aphididae] on *Urtica* sp. 10 Jun 1988. France: Garancières, Yvelines.3153 G Mercadier and TJ Poprawski (8809A). *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.3216 LK Rieske. *Thrips calcaratus* [Thysanoptera: Thripidae]. Summer 1991. USA: Rusk County, Wisconsin. Identification verified genomically.3220 LA Lacey. *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd Feb 1991. Portugal. Identification verified genomically.3405 AE Hajek (18). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: Koontz Lokey, Page County, Virginia. CULTURE EX TYPE.3528 AE Hajek (61c). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1991. USA: Belle Acre, Allegheny County, Pennsylvania.3529 AE Hajek (73a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Resurrection, Prince Georges County, Maryland. Identification verified genomically.3965 LA Lacey (93002) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.

- 4150 [DAT 144] AC Rath (F144). Nymph, *Phaulacridium vittatum* [Orthoptera: Acrididae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4222 [DAT 224] AC Rath (F224) ← H Yip (HY137). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4240 [DAT 309] AC Rath (F309) ← H Yip (HY50). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4254 [DAT 105] AC Rath (F105). Soil. 14 Jan 1988. Australia: Big Plains, Benham Estate, Avoca, Tasmania.
- 4261 [DAT 251] AC Rath (F251) ← H Yip (HT109). Soil. 8 Jun 1988. Australia: Forcett, Tasmania.
- 4271 [DAT 232] AC Rath (F232) ← H Yip (HY129). Soil. 18 Jul 1988. Australia: Elverton, Blessington, Tasmania.
- 4273 [DAT 9] AC Rath (F009) ← Pinnock. Larva, *Oncopera* sp. [Lepidoptera: Hepialidae]. 1983. Australia: South Australia.
- 4274 [DAT 143] AC Rath (F143). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4285 [DAT 199] AC Rath (F199) ← H Yip (HY162). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4297 [DAT 85] AC Rath (F085) ← H Yip. Soil. Rec'd 6 Jun 1994. Australia: Mt. Wellington, Hobart, Tasmania.
- 4300 [DAT 276] AC Rath (F276) ← H Yip (HY84). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4301 [DAT 328] AC Rath (F328) ← H Yip (HY30). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4320 [DAT 334] AC Rath (F334) ← H Yip (HY25). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.
- 4326 [DAT 288] AC Rath (F288) ← H Yip (HY72). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4353 [DAT 335] AC Rath (F335) ← H Yip (HY24). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.
- 4356 [DAT 243] AC Rath (F243) ← H Yip (HY118). Soil. Rec'd 6 Jun 1994. Australia: Latrobe, Tasmania.
- 4564 [DAT 307] AC Rath (F307) ← H Yip (HY52). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4571 [DAT 336] AC Rath (F336) ← H Yip (HY23). Soil. 6 Jan 1988. Australia: Silver Falls, Hobart, Tasmania.
- 4583 [DAT 305] AC Rath (F305) ← H Yip (HY54). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4611 [DAT 90] AC Rath (F090). Soil. 28 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4612 [DAT 95] AC Rath (F095). Soil. 6 Jan 1988. Australia: Mt. Wellington, Hobart, Tasmania.
- 4644 [DAT 329] AC Rath (F329) ← H Yip (HY29). Soil. 7 Jan 1988. Australia: Welborough, Tasmania.
- 4658 [DAT 102] AC Rath (F102). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4670 [DAT 219] AC Rath (F219) ← H Yip (HY142). Soil. 23 Aug 1988. Australia: Edith Creek, Tasmania.
- 4721 [DAT 140] AC Rath (F140). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Spring 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4741 [DAT 330] AC Rath (F330) ← H Yip (HY28). Soil. 1 Jun 1988. Australia: St Mary's, Tasmania.
- 4745 [DAT 347] AC Rath (F347) ← H Yip (HY11). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4933 LA Lacey (95035). *Tomicus minor* [Coleoptera: Scolytidae] *Pinus nigra*. 4 Apr 1995. France: Saint-Etienne, de Gourgas.
- 5070 LA Lacey (95062). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodève, Hérault.
- 5370 I Klingen (NCRI 2-96 (B2)). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] Soil sample (loam). 10 May 1996. Norway: Border vegetation of cereal field, Bjørnebekk (59.43° N), Ås, Akershus. **RESTRICTED ACCESS:** contact Curator.
- 5557 I Klingen (STF 14.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 27 Sep 1996. Norway: Harstad, Troms. **RESTRICTED ACCESS:** contact Curator.
- 5622 I Vänninen (SF85-2). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 18 Jul 1985. Finland: Pernaja.
- 5668 BL Parker (SPT-010). [Coleoptera]. 18 Jan 1998. Turkey: Hurbit Mountain, Hatay.
- 5669 BL Parker (SPT-018). [Coleoptera: Scarabaeidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5678 BL Parker (SPT-020). [Coleoptera: Coccinellidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5724 L Erkiliç (Pazarcik/Karabiyikli-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 29 Mar 1998. Turkey: Pazarcik, Kahraman Maras.
- 5867 T Steenberg (SSL 641). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Ramløse, Zealand.
- 6015 BL Parker ← V Gouli (SPT-R-171). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6022 BL Parker ← V Gouli (SPT-R-200). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6043 BL Parker ← V Gouli (SPT-R-161). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6181 FE Vega (EBCL 99004). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.

- 6185 FE Vega (EBCL 99020). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: St. Marie aux Anglais.
- 6229 [RCEF 0231] Adult, [Coleoptera: Scolytidae (Tribe Ipini)]. 8 Aug 1996. PR China: Guizhou Province. Identification verified genomically.
- 6971 [PPRI 7054] JL Hatting. Larva, *Monopetalotaxis doleriformis* [Lepidoptera: Sesiidae]. Mar 2001. South Africa: Ysterfontein, Clanwilliam, Cape Province.
- 6972 [PPRI 7055] JL Hatting. Larva, *Isturgia exerrariae* [Lepidoptera: Geometridae]. 24 Apr 2001. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Free State.
- 7242 JM Sung (EFCC 1440). [Hymenoptera]. 25 Jul 1997. Republic of Korea: Odae Mt., Kangwon-do. Identification verified genomically.
- 8045 LB Flor and TJ Kurtti. *Ixodes scapularis* [Acari: Ixodidae]. 22 Nov 2002. USA: St. Croix, Minnesota.
- 8046 LB Flor (SCIs3) and TJ Kurtti. *Ixodes scapularis* [Acari: Ixodidae]. 22 Nov 2002. USA: St. Croix, Minnesota. Single spore isolate of ARSEF 8045. GenBank ITS sequence: DQ679897, GenBank EFla sequence: DQ679900.
- 8254 [NRRL 30976] WG Meikle and G Mercadier (EBCL 05002). *Varroa destructor* [Acari: Varroidae]. 16 May 2005. France: Nézignan l'Evêque, Hérault.
- 8256 WG Meikle and G Mercadier (EBCL 05006). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Le Vigan, Gard.
- 8258 WG Meikle and G Mercadier (EBCL 05011). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Montdardier, Gard.
- 10480 DW Roberts (DWR 360). Isolated from soil sample SS 1189. 28 Sep 2007. USA: Yavapai County, Arizona. N 34.35.522, W 112.36.061.
- 10492 DW Roberts (DWR 396). Isolated from soil sample SS 0602. Summer 2007. USA: Williams, Arizona. N 35.309628, W 112.36458.
- 10499 DW Roberts (DWR 403). Isolated from soil sample SS 0483. 14 Mar 2007. USA: Green Canyon, Logan, Utah. N 41.46.250, W 111.45.671.
- 10575 DW Roberts (DWR 539). Isolated from soil sample SS 3342. 30 Jul 2008. USA: Oregon.
- 10594 DW Roberts (DWR 566). Isolated from soil sample SS 3343. 30 Jul 2008. USA: Oregon.
- 10598 DW Roberts (DWR 570). Isolated from soil sample SS 4160. 11 Aug 2008. USA: Klamath County, Oregon. N 42.762013, W 121.81277.
- 10608 DW Roberts (DWR 610). Isolated from soil sample SS 4769. 11 Aug 2008. USA: Weston County, Wyoming. N 43.560056, W 104.7898.
- 10616 DW Roberts (DWR 618). Isolated from soil sample SS 4285. 25 Aug 2008. USA: Kimball County, Nebraska. N 41.04736, W 103.93899.
- 10618 DW Roberts (DWR 623). Isolated from soil sample SS 3391. 30 Jul 2008. USA: Oregon.
- 10623 DW Roberts (DWR 628). Isolated from soil sample SS 4190. 4 Aug 2008. USA: Klamath County, Oregon. N 42.532002, W 121.59103.
- 10628 DW Roberts (DWR 645). Isolated from soil sample SS 4189. 4 Aug 2008. USA: Klamath County, Oregon. N 42.33525, W 121.69994.
- 10630 DW Roberts (DWR 647). Isolated from soil sample SS 1537. 18 Jun 2008. USA: Lincoln County, Washington. N 47.55019, W 118.28008.
- 10634 DW Roberts (DWR 651). Isolated from soil sample SS 3458. 6 Aug 2008. USA: Mariposa County, California. N 37.42243, W 119.72471.
- 10635 DW Roberts (DWR 652). Isolated from soil sample SS 1485. 16 Jul 2008. USA: Franklin County, Washington. N 46.43925, W 118.70769.
- 10644 DW Roberts (DWR 667). Isolated from soil sample SS 3197. 13 Aug 2008. USA: Stevens County, Washington. N 48.1241, W 118.0968.
- 10646 DW Roberts (DWR 671). Isolated from soil sample SS 6313. 21 Jul 2008. USA: Box Elder County, Utah. N 41.514, W 113.2981.
- 10648 DW Roberts (DWR 673). Isolated from soil sample SS 7856. 12 Jun 2008. USA: Sanders, Montana.
- 10658 DW Roberts (DWR 683). Isolated from soil sample SS 3678. 11 Jun 2008. USA: Elbert County, Colorado. N 39.13181, W 103.82714.
- 10667 DW Roberts (DWR 698). Isolated from soil sample SS 3681. 11 Jun 2008. USA: Elbert County, Colorado. N 39.1718, W 103.91955.
- 10668 DW Roberts (DWR 699). Isolated from soil sample SS 3654. 6 Jun 2008. USA: Lincoln County, Colorado. N 39.22938, W 103.39844.
- 10670 DW Roberts (DWR 701). Isolated from soil sample SS 3718. 24 Jun 2008. USA: Elbert County, Colorado. N 39.23637, N 104.40359.
- 10671 DW Roberts (DWR 702). Isolated from soil sample SS 3682. 11 Jun 2008. USA: Elbert County, Colorado. N 39.10021, W 103.92255.
- 10672 DW Roberts (DWR 703). Isolated from soil sample SS 3732. 26 Jun 2008. USA: Elbert County, Colorado. N 39.20188, W 104.47177.
- 10674 DW Roberts (DWR 705). Isolated from soil sample SS 3775. 10 Jul 2008. USA: Larimer County, Colorado. N 40.823906, W 105.29536.
- 10676 DW Roberts (DWR 707). Isolated from soil sample SS 3796. 26 May 2008. USA: Washington County, Colorado. N 39.717393, W 103.21757.
- 10677 DW Roberts (DWR 708). Isolated from soil sample SS 3799. 26 May 2008. USA: Washington County, Colorado. N 39.711136, W 103.12265.
- 10688 DW Roberts (DWR 724). Isolated from soil sample SS 4516. 2 Jul 2008. USA: Armstrong County, Texas. N 35.00096, W 101.5585.

- 10690 DW Roberts (DWR 726). Isolated from soil sample SS 6328. 23 Jul 2008. USA: Beaver County, Utah. N 38.27049, W 112.41064.
- 10701 DW Roberts (DWR 737). Isolated from soil sample SS 7953. 23 Jul 2008. USA: Montana.
- 10703 DW Roberts (DWR 739). Isolated from soil sample SS 7959. 23 Jul 2008. USA: Montana.
- 10707 DW Roberts (DWR 745). Isolated from soil sample SS 3929. 10 Jul 2008. USA: Park County, Colorado. N 39.33621, W 105.82851.
- 10709 DW Roberts (DWR 747). Isolated from soil sample SS 4003. 12 Jun 2008. USA: Lincoln County, Colorado. N 38.60803, W 104.01695.
- 10720 DW Roberts (DWR 769). Isolated from soil sample SS 4074. 23 May 2008. USA: Morgan County, Colorado. N 40.073148, W 104.10911.
- 10730 DW Roberts (DWR 779). Isolated from soil sample SS 3988. 2 Jun 2008. USA: Washington County, Colorado. N 40.147393, W 103.4159883.
- 10732 DW Roberts (DWR 781). Isolated from soil sample SS 2649. 26 Aug 2008. USA: Graham County, Arizona. N 33.397751, W 109.718853.
- 10753 DW Roberts (DWR 854). Isolated from soil sample SS 1882. Jul 2008. USA: Chase County, Nebraska. N 40.41204, W 101.38511.
- 10772 DW Roberts (DWR 885). Isolated from soil sample SS 2134. 12 Aug 2008. USA: Keya Paha County, Nebraska.
- 10799 DW Roberts (DWR 923). Isolated from soil sample SS 6436. 6 Aug 2008. USA: Sanpete County, Utah. N 39.3933, W 111.4139.
- 10845 DW Roberts (DWR 972). Isolated from soil sample SS 6221. 12 Aug 2008. USA: Apache County, Arizona. N 34.216013, W 109.72028167.
- 10846 DW Roberts (DWR 973). Isolated from soil sample SS 6241. 12 Aug 2008. USA: Coconino County, Arizona. N 35.297775, W 112.26443167.
- 10847 DW Roberts (DWR 974). Isolated from soil sample SS 6260. 12 Aug 2008. USA: Coconino County, Arizona. N 35.256755, W 112.24246.
- 10848 DW Roberts (DWR 975). Isolated from soil sample SS 6235. 12 Aug 2008. USA: Apache County, Arizona. N 34.210155, W 109.717775.
- 10875 DW Roberts (DWR 1002). Isolated from soil sample SS 7124. 27 Jun 2008. USA: Beaver County, Utah. N 38.4242, W 113.0146.
- 10987 DW Roberts (DWR 1114). Isolated from soil sample SS 6940. 17 Jul 2008. USA: Carbon County, Utah. N 39.5251, W 110.4413.
- 11050 DW Roberts (DWR 1205). Isolated from soil sample SS 7088. May 2008. USA: Box Elder County, Utah. N 41.46619, W 113.54489.
- 11053 DW Roberts (DWR 1208). Isolated from soil sample SS 7786. 21 Aug 2008. USA: Johnson County, Wyoming. N 43.832075, W 106.89304.
- 11054 DW Roberts (DWR 1209). Isolated from soil sample SS 7806. 26 Aug 2008. USA: Park County, Wyoming. N 44.341716, W 109.37025.
- 11067 DW Roberts (DWR 1223). Isolated from soil sample SS 8029. 28 Jul 2008. USA: Montana.
- 11068 DW Roberts (DWR 1224). Isolated from soil sample SS 8054. Jul 2008. USA: Carter County, Montana.
- 11074 DW Roberts (DWR 1230). Isolated from soil sample SS 8074. 21 Jul 2008. USA: Treasure County, Montana. N 46.3994, W 107.3833.
- 11087 DW Roberts (DWR 1261). Isolated from soil sample SS 7406. 30 Jul 2008. USA: Uintah County, Utah. N 40.2645, W 109.3757.
- 11105 DW Roberts (DWR 1279). Isolated from soil sample SS 11295. May 2009. USA: Boise County, Idaho. N 43.673185, W 116.09569.
- 11110 DW Roberts (DWR 1302). Isolated from soil sample SS 8947. 5 Jul 2008. USA: Baca County, Colorado. N 37.193068, W 102.05834.
- 12240 ST Jaronski (13CT01 f3). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12241 ST Jaronski (13CT02 f3). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12242 ST Jaronski (13CT03 f3). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12243 ST Jaronski (13CT04 f1). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12244 ST Jaronski (13CT08 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12245 ST Jaronski (13CT09 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12246 ST Jaronski (13CT10 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12247 ST Jaronski (13CT11 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12248 ST Jaronski (13CT12 f2). Larva, *Cephus cinctus* [Hymenoptera: Cephidae]. Rec'd 19 Jun 2013. USA: Conrad, Montana.
- 12959 M Barta (IK38) ← I Kautmanova. *Ips typographus* [Coleoptera: Scolytidae]. 9 Apr 2012. Slovakia: Kykula. N 48.92580, E 17.87810.
- 12976 M Barta (MK331) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. 6 Jun 2012. Slovakia: Bobrovec. N 49.28109, E 19.75058.
- 12981 M Barta (MK504) ← M Kozanek. *Ips typographus* [Coleoptera: Scolytidae]. Summer 2012. Slovakia: Vrátna dolina. N 49.21028, E 19.0498.

Beauveria sungii SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 1685 M Shimazu (F-450). *Lachnosterna morosa* [Coleoptera: Scarabaeidae]. Acc'd 2 Nov 1984. Japan: Ibaraki Prefecture. CULTURE EX TYPE.
- 5689 JM Sung (KEFC-251). [Coleoptera: Scarabaeidae]. 20 Aug 1993. Republic of Korea: Gal-Cheon, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.
- 7043 JM Sung (KEFC-3530). Rec'd 19 Jun 2002. From teleomorph morphologically resembling *Cordyceps staphylinidaecola*. Identification of anamorph verified genomically.
- 7044 JM Sung (KEFC-3549). Rec'd 19 Jun 2002. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.
- 7279 JM Sung (EFCC 5014). [Coleoptera: Chrysomelidae]. 11 Jul 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.
- 7280 JM Sung (EFCC 5657). [Coleoptera: Chrysomelidae]. Aug 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.
- 7281 JM Sung (EFCC 5884). [Hymenoptera]. 24 Aug 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling *Cordyceps scarabaeicola*. Identification of anamorph verified genomically.

Beauveria varroae SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Defined primarily by genotypic characters

- 2694 [IMI 328059] C Prior. *Larinus* sp. [Coleoptera: Curculionidae]. Rec'd 19 Mar 1989. Switzerland. Identification verified genomically.
- 8257 WG Meikle and G Mercadier (EBCL 05007). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Montdardier, Gard. CULTURE EX TYPE.
- 8259 WG Meikle and G Mercadier (EBCL 05012). *Varroa destructor* [Acari: Varroidae]. 4 Jul 2005. France: Ur, Pyrénées-Orientales. Identification verified genomically.

Beauveria vermiconia de Hoog & Rao
[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 2922 CBS (645.74). Volcanic ash soil. 1974. Chile: Valdivia, Los Lagos. CULTURE EX TYPE.

***Beniowskia* sp.**
[Hyphomycetes]

- 2751 GW Riethmacher (EB1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 5 Apr 1989. Philippines: La Trinidad, Benguet.

***Bipolaris* sp.**
[Dothideomycetes: Pleosporales]
Pleosporaceae

- 6585 Rec'd 21 Sep 2000.

Brachyphoris oviparasitica (G.R. Stirling & Mankau)
Juan Chen, L.L. Xu, B. Liu & Xing Z. Liu
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 12622 CG Wilson (6A4). Eggs and adults, Phylum Rotifera, Class Bdelloidea collected from *Hypnum*, moss on *Quercus robur* L., English oak. 27 Jun 2013. United Kingdom: Silwood Park, Berkshire, England.

Calcarisporium arbuscula Preuss
[Hyphomycetes]

- 5999 KT Hodge. On the gills of a rotting basidiocarp of *Russula* sp. 7 Oct 1998. USA: Upper end of Lost Gorge (Hendershot Gulf), Alpine, New York. Teleomorph: *Barya agaricicola* (Berk.) Höhnelt [Hypocreales: Clavicipitaceae]. From multiple ascospore culture. Specimen deposited in Cornell University Plant Pathology Herbarium as 65353. .
- 6155 [ATCC 36805; VKM F-2771 (=MF-251)] *Armillaria mellea* [Agaricales: Tricholomataceae]. Rec'd 6 May 1999. Russian Federation: Moscow Region.

Calcarisporium ovalisporum (Petch) de Hoog
[Hyphomycetes]Isolated as a mycoparasite from *Hirsutella citriformis*. This fungus is not itself pathogenic for insects.

- 1907 MC Rombach (2). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.
- 2035 MC Rombach (Cov-2). *Hirsutella citriformis*. 1985. Solomon Islands.
- 2036 MC Rombach (Cov-5). *Hirsutella citriformis*. 1985. Solomon Islands.

Calcarisporium parasiticum Barnett
[Hyphomycetes]

- 6154 [ATCC 18061; CBS 130.58] *Dothiorella quercina* from black oak. 26 Nov 1956. USA: Morgan County, West Virginia. CULTURE EX TYPE.

Candida sp.

[Saccharomycetes: Saccharomycetales]

All of these strains grow as yeasts with facultative capacities to attack cockroaches. It remains uncertain whether they can be primary pathogens or depend upon the host to be stressed, wounded, or otherwise compromised.

- 1857 [NRRL Y-12965] JM Verrett. *Periplaneta americana* [Dictyoptera: Blattellidae]. Acc'd 21 Feb 1985. USA: laboratory colony, Dillard University, New Orleans, Louisiana.
- 1877 [NRRL Y-12966] TB Clark. *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd 12 Oct 1983. USA: laboratory colony, Beltsville, Maryland.
- 1924 H deBarjac (1). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.
- 1925 H deBarjac (4). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.
- 1926 H deBarjac (5). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.
- 5729 TJ Poprawski. *Hypothenemus hampei* [Coleoptera: Scolytidae] from laboratory colony. Rec'd 20 May 1998. USA: Weslaco, Texas.

Candida cf. *pseudoglebosa* Suzuki & Nakase

[Saccharomycetes: Saccharomycetales]

- 7146 WK Reeves. Larva, *Wyeomyia smithii* [Diptera: Culicidae]. 23 May 2003. USA: Bull Pen Bog, Jackson County, North Carolina.

Capniomyces stellatus SW Peterson & Lichtwardt

[Kickxellomycotina: Harpellales]

- 9258 RW Lichtwardt (MIS-10-108). *Allocapnia granulata* [Plecoptera: Capniidae]. 1982. USA: southern Missouri, Missouri.

Catenaria anguillulae Sorokin

[Blastocladiomycetes: Blastocladales]

Catenariaceae

- 2015 [ATCC 58382] BA Jaffee (Ca2). *Xiphinema* sp. [Dorylaimida: Longidoridae]. 18 Jun 1984. USA: Adams County, Pennsylvania.

Cladosporium sp. Mycosphaerellaceae

[Dothideomycetes: Capnodiales]

- 3706 LA Lacey (052A). Adult, [Hemiptera: Aleyrodidae]. 21 Mar 1992. Nepal: Katmandu.
- 4795 M Hoffman. *Brevicoryne brassicae* [Hemiptera: Aphididae] *Brassica* sp. 10 Jul 1994. USA: Geneva, New York.
- 6226 JL Hatting (Sample A). *Orachrysops ariadne* [Lepidoptera: Lycaenidae: Polyommatainae]. Rec'd 16 Jul 1999. South Africa.

- 6442 K Cote. *Tetranychus urticae* [Acari: Tetranychidae] on leaves of *Buddleia x davidii*. Jan 2000. USA: greenhouse, VA Tech Hampton Road Research Facility, Virginia Beach, Virginia.

6586 Rec'd 21 Sep 2000.

- 7035 RG Hollingsworth (KNF2002-5). [Hemiptera: Coccidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

- 7039 RG Hollingsworth (KNF2002-9). [Hemiptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

- 11866 JL Hatting (10193). *Rhopalosiphum padi* [Hemiptera: Aphididae] on *Zea mays* L., field maize. Mar 2009. South Africa: ARC - Small Grain Institute, Bethlehem, Free State.

- 12046 [ERL 2129] S Gouli (A-12/28) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: State Line Road, Arizona.

Cladosporium cladosporioides (Fresenius) de Vries

[Dothideomycetes: Capnodiales]

Mycosphaerellaceae

- 3085 J Peña. *Eotetranychus* sp. [Acari: Tetranychidae] on *Cassava* sp. 30 Aug 1990. USA: Homestead, Florida.
- 3375 [Puerto Rico 04-91] F Gallardo ← G Mejía. Adult, nymphs & pupa, *Thrips palmi* [Thysanoptera: Thripidae] on eggplant, *Solanum melongena*. Jun 1991. USA: Río Piedras, Puerto Rico.
- 3463 D Wilson ← T Whitham. Gall, *Pemphigus betae* [Hemiptera: Aphididae] on narrowleaf cottonwood, *Populus angustifolia*. Rec'd 5 Nov 1991. USA: Arizona. Contains *Verticillium ?lecanii* as mycoparasite.
- 6273 K Cote. Rec'd 27 Sep 1999.
- 9614 JG Banu (4). *Phenacoccus solenopsis* [Hemiptera: Pseudococcidae]. Aug 2008. India: Coimbatore, Tamil Nadu.
- 9616 S Jeyarani (TNAU 2). *Tetranychus urticae* [Acari: Tetranychidae] on *Vigna unguiculata* (L.) Walp., cowpea. Dec 2009. India: Coimbatore, Tamil Nadu.

Cladosporium cladosporioides(?) (Fresenius) de

Vries

[Dothideomycetes: Dothideales]

Mycosphaerellaceae

- 7033 RG Hollingsworth (KNF2002-3). [Hemiptera: Aphididae]. 26 Jan 2002. USA: Hilo, Hawai'i.

Cladosporium herbarum (Persoon) Link

[Dothideomycetes: Capnodiales]

Mycosphaerellaceae

- 3792 ARN Farias. On *Manihot esculenta* Crantz, cassava. Rec'd 19 Oct 1992. Brazil.
- 4361 DW Roberts ← CF Robbs. *Aphis gossypii* [Hemiptera: Aphididae] Citrus. Jan 1994. Brazil: Itaguai, Rio de Janeiro.

Cladosporium sphaerospermum Penzig

[Dothideomycetes: Capnodiales]

Mycosphaerellaceae

6516 RT Mayer. Larva, *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 10 May 2000. USA: Florida.

***Clavicipitaceae* anamorph**

[Sordariomycetes: Hypocreales]

- 7090 KT Hodge (PR74). 9 Jul 2002.
 7508 M Liu (CR01). Rec'd 27 May 2005. Costa Rica.
 7509 M Liu (CR02). Rec'd 14 Sep 2004. Costa Rica.
 7510 M Liu (CR06). Rec'd 7 Feb 2005. Costa Rica.
 7511 M Liu (CR07). Rec'd 27 May 2005. Costa Rica.
 7514 M Liu (CR28). Rec'd 7 Feb 2005. Costa Rica.
 7515 M Liu (CR33). Rec'd 14 Sep 2004. Costa Rica.
 7610 Rec'd 4 Feb 2005.
 7618 M Liu (ml177). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7619 M Liu (ml186-1). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7640 M Liu (CR 23). Rec'd 14 Sep 2004. Costa Rica.
 7646 P Chaverri (PC 544). Rec'd 27 May 2005.
 7649 P Chaverri (PC 565). Rec'd 27 May 2005.
 7654 P Chaverri (PC 604). Rec'd 27 May 2005.
 7657 P Chaverri (PC 616). Rec'd 27 May 2005.
 7665 P Chaverri ← HC Evans (I93-903). Rec'd Mar 2005.
 7683 [RCEF 1260] M Liu. 9 Aug 2004. PR China: Dinghushan, Guangdong Province.
 7684 M Liu (CR 21). Rec'd 14 Sep 2004. Costa Rica.
 7687 M Liu (ml 146). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7688 M Liu (ml 148). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7689 M Liu (ml 159). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7690 M Liu (ml 171). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7691 M Liu (ml 172-1). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7692 M Liu (ml 186-3). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7693 M Liu (ml 187-1). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7694 M Liu (ml 187-2). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7695 M Liu (ml 202-1). Rec'd 14 Sep 2004. USA: Puerto Rico.
 7753 Acc'd 12 Dec 2005.

Clonostachys candelabrum (Bonord.) Schroers

[Sordariomycetes: Hypocreales]

Bionectriaceae

9499 [SRCAMB AS-625] V Likhovidov. Isolated from soil sample. 2004. Russian Federation: Moscow Region. Field Collection Number F-114.

Clonostachys rosea (Link : Fries) Schroers, Samuels, Seifert & W Gams

[Sordariomycetes: Hypocreales]

Bionectriaceae

- 7200 [CBS 115882; CEP 050] C López Lastra. Adult, female, *Oncometopia tucumana* [Hemiptera: Cicadellidae] on *Lantana camara* L. 28 Mar 2003. Argentina: Horco Molle, Tucumán.
 7472 [CBS 115883; CEP 066] C López Lastra. *Sonesimia grossa* [Hemiptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 27 Sep 2003. Argentina: Parque Nacional El Palmar, Colón, Entre Ríos.
 9491 [SRCAMB B-46] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Scarabaeidae]. Jul 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-279.
 9492 [SRCAMB VL-1600] V Likhovidov. [Araneida]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-536.
 9493 [SRCAMB VL-1344] V Likhovidov. [Lepidoptera] Isolated from *Cordyceps* sp. 12 Aug 2003. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-916.
 11678 Z Demirbag (As11) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
 11682 Z Demirbag (As15) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
 11687 Z Demirbag (As20) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
 11689 Z Demirbag (Gg2) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
 11690 Z Demirbag (Gg3) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
 11691 Z Demirbag (Gg4) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
 11692 Z Demirbag (Gg5) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
 11695 Z Demirbag (Gg8) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.

- 11699 Z Demirbag (Gg12) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11700 Z Demirbag (Gg13) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11701 Z Demirbag (Gg14) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11702 Z Demirbag (Gg15) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.

Coelomycesium simulii Debaisieux
[Blastocladiomycetes: Blastocladiales]

Cultures are vegetative only. No zoospores have been induced by any medium or treatment used. Zoospore ultrastructure is typically blastocladial.

- 218 LS Bauer. *Simulium venustum* [Diptera: Simuliidae]. 24 May 1978. USA: Otter Pond Creek, Milford, Maine.

***Coemansia* sp.**

[Kickxellomycotina: Kickxellales]
Kickxellaceae

- 2452 GL Benny (21A). Rec'd 31 Aug 1987. Location not specified.

***Colletotrichum* sp.**

[Sordariomycetes]
Glomerellaceae

- 10308 [ERL 1953] S Gouli (SM-10-1) and V Gouli. *Neolecanium cornuparvum* [Hemiptera: Coccidae]. 2010. USA: Burlington, Vermont.
- 12083 [ERL 2170] S Gouli and V Gouli (PS-12/32). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Betula populifolia* Marshall, gray birch. Sep 2012. USA: Richmond, Rhode Island.

Colletotrichum fioriniae (Marcelino & Gouli) R.G.

Shivas & Y.P. Tan
[Sordariomycetes]
Glomerellaceae

- 10219 [ERL 1204] S Gouli (EHS-41) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Mohonk Preserve, Ulster County, New York.
- 10220 [ERL 1211] S Gouli (EHS-48) and J Marcelino. *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Bayberry Lane, Westchester County, New York.
- 10221 [ERL 1214] S Gouli and V Gouli (EHS-51). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Hemlock Ridge State Forest, Esopus, New York.

- 10222 [CBS 128517; ERL 1257] S Gouli (EHS-58) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Ward Pound Ridge Reservation, Westchester County, New York. CULTURE EX TYPE.
- 10223 [ERL 1260] S Gouli and V Gouli (EHS-61). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: Ward Pound Ridge Reservation, Westchester County, New York.

Colletotrichum gloeosporioides (Penz.) Penz. &

Sacc.
[Sordariomycetes]
Glomerellaceae

- 4360 DW Roberts ← CF Robbs. *Orthezia praelonga* [Hemiptera: Ortheziidae] on *Nicotiana tabacum* L., tobacco. Feb 1994. Brazil: Rio de Janeiro, Rio de Janeiro.

***Conidiobolus* sp.**

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. These strains include a heterogeneous assortment of fungi isolated as saprobes and as zoopathogens. Some may represent undescribed new species. Identifications of *Conidiobolus* species are made difficult by the relative lack of taxonomic characters and of any modern taxonomic attention.

Caution: Strains derived from mammalian mycoses should be treated as potentially hazardous; observe handling precautions noted for *Conidiobolus coronatus*.

- 80 RG Kenneth (3081) or (C.o. 15) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: alfalfa field, Sedé Eliyahu.
- 81 RG Kenneth (3082) or (C.o. 10) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: Sedé Eliyahu.
- 92 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.
- 93 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.
- 94 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.
- 147 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 26 Jun 1977. USA: Carroll, Maine.
- 148 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 20 Jun 1977. USA: forest, Maine.
- 211 DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 27 Mar 1978. India: insectary, Hyderabad, Andhra Pradesh.
- 391 S Keller (21). [Hemiptera: Cercopidae]. Rec'd 18 Oct 1979. Switzerland.

- 517 DW Roberts (82380-19). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Aug 1980. Malaysia: Bumbong Lima, Icepala Batas, Wellesley Province.
- 522 DW Roberts (82180-7b). *Nilaparvata lugens* [Hemiptera: Delphacidae] on leaves. 21 Aug 1980. Malaysia.
- 564 RS Soper (8133-1/BPH-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 595 RS Soper (81227-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 27 Feb 1981. Indonesia: Bantul District, Yogyakarta, Java.
- 596 RS Soper (81226-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Feb 1981. Indonesia: Bantul District, Yogyakarta, Java.
- 604 RS Soper (8133-2). *Sogatella furcifera* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.
- 605 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 606 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 999 J Aoki (Ent. 45) ← T Kobayashi. [Hemiptera: Aphididae]. Jun 1981. Japan: Fuchu, Tokyo Prefecture.
- 1426 RS Soper (8465-1). [Hemiptera: Aphididae] on rose. 6 May 1984. Yugoslavia: Plant Protection Institute, Belgrade.
- 1444 M Smith (L05 and 001). Soil/plant detritus. 1984. United Kingdom: marshy area by pool, U. of Keele, Staffordshire, England.
- 1445 M Smith (K13 and 004). Soil/plant detritus. 1984. United Kingdom: turf behind Keele Hall, U. of Keele, Staffordshire, England.
- 1477 [CNPAF 84-04-25-2; CP 167] SM dos Santos. [Orthoptera: Tettigoniidae]. 25 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1485 M Smith (N01 and 141). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.
- 1486 M Smith (O08 and 017). Soil/plant detritus. 1984. United Kingdom: wheat field, U. of Keele, Staffordshire, England.
- 1487 M Smith (Q01 and 119). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.
- 1488 M Smith (I01 and 020). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.
- 1672 GO Poinar ← GM Thomas. *Porcellio* sp. [Isopoda: Oniscoidea]. 5 Jun 1984. USA: California.
- 1967 T Burger. *Schizaphis graminum* [Hemiptera: Aphididae]. Aug 1985. USA: laboratory colony, APHIS-PPQ, Niles, Michigan.
- 2130 IL Sivcev (160/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 2 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2147 MA Naves. *Deois* sp. [Hemiptera: Cercopidae]. 4 Mar 1986. Brazil: Mato Grosso.
- 2148 MA Naves. *Deois flavopicta* [Hemiptera: Cercopidae]. 21 Mar 1986. Brazil: Mato Grosso.
- 2193 [CNPAF 86-5-19; CP 203] SM dos Santos. [Hymenoptera]. 19 May 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2494 J Eilenberg (KVL 15). [Diptera: Anthomyiidae]. 25 Jul 1986. Denmark: Svanholm, Malmöhus.
- 2498 J Eilenberg (KVL 25). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 25 Aug 1986. Denmark: Kattinge Vig, Roskilde.
- 2672 J Eilenberg (KVL 49). *Delia radicum* [Diptera: Anthomyiidae]. 2 Aug 1988. Denmark: Roskilde, Zealand.
- 2771 GW Riethmacher (C3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 11 Apr 1989. Philippines: La Trinidad, Benguet.
- 2772 GW Riethmacher (C4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Apr 1989. Philippines: La Trinidad, Benguet.
- 2815 GW Riethmacher (C5). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Apr 1989. Philippines: La Trinidad, Benguet.
- 2816 GW Riethmacher (C6). *Plutella xylostella* [Lepidoptera: Plutellidae]. 9 Jun 1989. Philippines: La Trinidad, Benguet.
- 2819 SR Sánchez Peña (4-2). Adult:queen, *Solenopsis invicta* [Hymenoptera: Formicidae] soil. 5 Aug 1989. USA: College Station, Texas.
- 2924 CDC (B-4742). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.
- 2925 CDC (B-4741). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.
- 2926 CDC (B-4743). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.
- 2927 CDC (B-4744). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.
- 2928 [UTMB 3109] L Pasarell. *Homo sapiens* [Primates: Hominidae]. Rec'd 18 Sep 1989. USA: Port Arthur, Texas.
- 3208 GW Riethmacher (C4.1a). *Plutella xylostella* [Lepidoptera: Plutellidae]. 16 Oct 1990. Philippines: La Trinidad, Benguet.
- 3383 I Majchrowicz (18). *Aphis fabae* [Hemiptera: Aphididae] on bean. 27 Jun 1991. USA: Grandpa's garden, Granger, Washington.

- 3384 I Majchrowicz (25-b). *Myzus persicae* [Hemiptera: Aphididae] on potato. 11 Jul 1991. USA: Orchard Farm, Yakima, Washington.
- 3402 MS Goettel (17) ← G Pohl and D Yu. 30 Sep 1991. Canada: Agriculture Canada Research Station, Lethbridge, Alberta.
- 3406 BJ Cochrane ← K Chernov (V). Soil. Rec'd 7 Oct 1991. USA: mowed USF grounds by UPD, Tampa, Florida.
- 3407 BJ Cochrane ← K Chernov (VI). Soil. Rec'd 7 Oct 1991. USA: mowed USF grounds by UPD, Tampa, Florida.
- 3409 BJ Cochrane ← K Chernov (Ruby Mine). Soil. Rec'd 7 Oct 1991. USA: exposed mountainside, Franklin, North Carolina.
- 3763 R Nelson. Jun 1992. Costa Rica.
- 5404 BL Parker (GA-113). *Gargara* sp. [Hemiptera: Membracidae] on wild cereal. Jun 1996. USA: Burlington, Vermont.
- 5405 BL Parker (GA-169). *Gargara* sp. [Hemiptera: Membracidae] on wild cereal. 17 Aug 1996. Canada: Philipsburg, Québec.
- 5406 BL Parker (GA-169A). *Gargara* sp. [Hemiptera: Membracidae] on wild cereal. 17 Aug 1996. Canada: Philipsburg, Québec.
- 5712 RA Humber. From forest litter. 2 May 1998. Republic of Korea: Kangwon National University Forest Plantation, Chuncheon, Kangwon-do.
- 6424 MK Er. 3rd instar larva, *Tipula paludosa* [Diptera: Tipulidae]. 18 Dec 1999. United Kingdom: Grassland for recreation, Northumberland, England.
- 6505 S Gouli and V Gouli (GA-348). From soil. May 1999. USA: Guilford, Vermont.
- 6659 JL Hatting. *Eriosoma lanigerum* [Hemiptera: Aphididae] feeding underground on apple tree roots. 24 Jul 2000. South Africa: Oak Valley, Western Cape, Cape Province.
- 7216 [SRCAMB B-157] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.
- 7786 [CEP 184] C López Lastra ← A Toledo. Adult, male, *Oliarus dimidiatus* [Hemiptera: Cixiidae] on *Oryza sativa* L., rice crop. 28 Mar 2005. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires.
- 7942 B Huang (B1). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.
- 8313 B Huang (GSM3-L-1C1). 7 Oct 2006. USA: Great Smoky Mountains National Park, Tennessee.
- 8314 B Huang (GSM3-L-1C2). Acc'd 26 Jan 2007. USA: Great Smoky Mountains National Park, Tennessee.
- 8429 B Huang (M051114A3). 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.
- 11650 [ERL 1788/1c] S Gouli and V Gouli (HWA-G-50/c). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 11763 [ERL 2078] S Gouli (THR-11-67) and V Gouli. [Protura]. 2011. USA: Sharon Springs, New York.
- 11765 AP Gryganskyi (102). Rec'd 29 May 2012.
- 11867 JL Hatting (SGI-915). [Collembola]. Oct 2012. South Africa: Bergville, KwaZulu-Natal.
- 12338 KL O'Donnell (con-2) ← UM Tendolkar. *Homo sapiens* [Primates: Hominidae]. Rec'd 27 Aug 2013. India. Isolated from conidiobolomycosis of the rhinofacial area.
- 12543 UM Tendolkar. *Homo sapiens* [Primates: Hominidae]. Rec'd 19 May 2014. India. Isolated from conidiobolomycosis of the rhinofacial area.
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- Conidiobolus adiaeretus*** Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
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- 451 [CBS 136.57; DS King C-23] ATCC (12589) ← C Drechsler. Plant detritus. Acc'd 28 Apr 1980. USA: Maryland. CULTURE EX TYPE.
- 6377 AA Callaghan (62) or (04 and 041). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.
- 8320 B Huang (3-litter-1 A). 7 Oct 2006. USA: Great Smoky Mountains National Park, Tennessee.
- 8427 B Huang (M051114A1). Moss. 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.
-
- Conidiobolus antarcticus*** Tosi, Caretta & Humber
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. Mycotaxon 90: 343-347 (2004)
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- 6913 G Caretta and S Tosi. 2 Feb 1999. Antarctica: Kohler Head, Victoria Land. CULTURE EX TYPE.
-
- Conidiobolus bangalorensis*** Srinivasan & Thirumalachar
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
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- 449 [HACC 190; IMI 118284; NRRL 3682] ATCC (16576) ← MC Srinivasan and MJ Thirumalacher. Plant detritus. 1966. India: Bangalore, Karnataka. CULTURE EX TYPE.
-
- Conidiobolus brefeldianus*** Couch
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
-
- 452 ATCC (28847) ← DS King (C-31) ← CBS (141.39) ← JN Couch. Acc'd 28 Apr 1980. USA: North Carolina. CULTURE EX TYPE.

Conidiobolus coronatus (Costantin) Batko

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. Major synonyms: *Entomophthora coronata* (Costantin) Kevorkian, *Conidiobolus villosus* Martin.

Caution: This species is known to cause human mycoses that are primarily tropical in occurrence and confined to the nasal passages and adjacent superficial areas. Avoid inhalation of conidia and do not handle cultures without gloves if unhealed cuts or abrasions are present. This species has low pathogenicity for mammals and should be relatively safe if handled with good microbiological technique.

- 205 ATCC (28691) ← DS King (75). Plant detritus. Rec'd 9 Mar 1978. USA.
- 206 [IPLB 951.72] ATCC (32867) ← F Mariat. *Homo sapiens* [Primates: Hominidae]. Rec'd 9 Mar 1978. Nigeria.
- 274 BE Tucker (171). Soil from roots under *Helosis* sp. [Balanophoraceae]. Acc'd 27 Mar 1979. Costa Rica: 9.783°N lat, 83.999°W long, elev. 1950 ft, Casa Mata.
- 349 RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 16 Feb 1979. Australia: Cairns, Queensland.
- 405 DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1979. Philippines: IRRRI greenhouse, Lecheria, Calamba, Laguna.
- 406 DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1979. Philippines: IRRRI greenhouse, Parian, Calamba, Laguna.
- 418 DW Roberts (A). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1979. Philippines: IRRRI greenhouse, Lecheria, Calamba, Laguna.
- 419 DW Roberts (B). [Hemiptera: Cicadellidae]. Nov 1979. Philippines: IRRRI greenhouse, Lecheria, Calamba, Laguna.
- 421 DW Roberts (E). [Hemiptera: Cicadellidae]. Nov 1979. Philippines: IRRRI greenhouse, Parian, Calamba, Laguna.
- 422 DW Roberts (F). [Hemiptera: Cicadellidae]. Nov 1979. Philippines: IRRRI greenhouse, Lecheria, Calamba, Laguna.
- 471 [DAR 30604] J Walker. Casing soil of *Agaricus brunnescens* [Hymenomycetes: Agaricales]. Apr 1978. Australia: R.D. 67, nr. Rydalmere, McGrath's Hill, New South Wales.
- 511 DW Roberts (81380-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Aug 1980. Philippines: IRRRI, Los Baños, Manila.
- 512 DW Roberts (82180-4a). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Aug 1980. Malaysia.
- 514 DW Roberts (82180-7c). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Aug 1980. Malaysia.
- 520 DW Roberts (82380-20). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 23 Aug 1980. Malaysia: cages, Bumbong Lima, Icepala Batas, Wellesley Province.
- 523 DW Roberts (82380-22). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Aug 1980. Malaysia: cages, Bumbong Lima, Icepala Batas, Wellesley Province.
- 524 DW Roberts (82180-4c). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Aug 1980. Malaysia.
- 525 DW Roberts (82880-11). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: rearing cage, Chainat Rice Exp. Sta., N of Bangkok, Khlung Luang.
- 528 DW Roberts (82980-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: NBRC cages.
- 563 RS Soper (8133-1/BPH-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 565 RS Soper (8133-1/BPH-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 567 RS Soper (81224-2). [Araneida]. 24 Feb 1981. Indonesia: Diski Village, Medan District, Sumatera Utara.
- 597 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 655 DW Roberts (102381-6). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.
- 997 J Aoki (Ent. 11) ← M Shimazu. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Jul 1976. Japan: Chikugo, Fukuoka Prefecture.
- 1147 LI Rivera-Vargas. *Volvariella volvacea* [Agaricales]. 1984. USA: Mayaguez, Puerto Rico.
- 1572 S Keller (490). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.
- 1573 S Keller (491). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.
- 1574 S Keller (493). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.
- 1575 S Keller (494). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.
- 1736 N Wilding (4). *Myzus persicae* [Homoptera: Aphididae] isolate (Wilding # 3) passed through *Galleria mellonella* [Lepidoptera: Pyralidae] larva. Feb 1969. Laboratory manipulation.
- 1737 N Wilding (5). *Myzus persicae* [Homoptera: Aphididae] isolate (Wilding # 3) passed through *Galleria mellonella* [Lepidoptera: Pyralidae] larva. Feb 1969. Laboratory manipulation.

- 1738 [ARSEF 96 (lost)] N Wilding (32) ← C Dedryver. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 3 Sep 1984. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 1876 DG Holdom (2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 8 Mar 1985. Indonesia: Cikampek, Jawa Barat, Java.
- 1884 [CP 173] DW Roberts ← J Brunes. *Mocis latipes* [Lepidoptera: Noctuidae]. 31 Jan 1985. Brazil: CNPAF, Goiânia, Goiás.
- 2715 J Newton ← M Masri. Male, *Equus ferus caballus* [Perissodactyla: Equidae]. Mar 1989. USA: Baton Rouge, Louisiana.
- 2730 GW Riethmacher (C1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 6 Apr 1989. Philippines: La Trinidad, Benguet.
- 2812 MG Feng (MD8904). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2813 MG Feng (MD8905). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2814 MG Feng (MD8906). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 3087 M Wheeler ← RP Korf. [Dacrymycetales]. 12 Sep 1990. USA: Lloyd/Cornell-Ringwood Nat. Pres., Ithaca, New York.
- 3099 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 20 Sep 1990. USA: Hoffman field # 4B, Catherine, New York.
- 3109 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 25 Sep 1990. USA: Hoffman field # 4E, Catherine, New York.
- 3222 LS Osborne. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. Rec'd 14 Mar 1991. USA: greenhouse, IFAS, Univ. of Florida, Apopka, Florida.
- 3379 K Ostrovska (4) ← PG Lawlor. *Lutzomyia* sp. [Diptera: Psychodidae]. Jul 1991. Guatemala: Tical, Petén.
- 3414 K Ostrovska (21) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3415 K Ostrovska (22) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 4797 [INIA 2193] J Eilenberg (KVL 614). *Epinotia aporema* [Lepidoptera: Tortricidae]. 4 May 1994. Uruguay.
- 5162 S Gouli (GP-69). Larva, Phylum Arthropoda, Class Insecta. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 6379 AA Callaghan (45) or (04 and 012). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.
- 6512 S Gouli and V Gouli (GA-361). [Thysanoptera: Thripidae] on *Tagetes erecta* L., marigold. 3 Oct 1999. USA: Burlington, Vermont.
- 7010 M Greif (EIAW 369). [Araneida]. 24 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.
- 7011 M Greif (EIAW 389). [Hymenoptera: Formicidae]. 31 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.
- 7012 M Greif (EIAW 400). [Opiliones:Palpatores]. 31 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.
- 7013 M Greif (EIAW 410). [Opiliones:Palpatores]. 11 Sep 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.
- 7203 [CEP 062] C López Lastra. *Delphacodes haywardii* [Hemiptera: Delphacidae] reared on *Hordeum vulgare* L., barley. 19 Aug 2003. Argentina: greenhouse at CEPAVE, La Plata, Buenos Aires.
- 7922 KT Hodge. Isolated from unidentified mushroom growing on horse dung. 26 Sep 2005. USA: Barn, Pine Tree Road, Ithaca, New York.
- 8023 EC Bernard (CRSM). [Collembola] isolated from live soil arthropod extraction baited with yeast pellets. 3 Apr 2006. USA: Great Smoky Mountains National Park, Enloe Cemetery, Swain County, North Carolina.
- 8455 RB Rosengaus. Reproductives, *Nasutitermes corniger* [Isoptera: Termitidae] from multiple founding association. Rec'd 24 May 2007.
- 8715 [AFTOL 137; NRRL 28638] Rec'd 23 Jun 2008.
- 9295 [ERL 1600] VS Gouli (Thr-08-E1). Isolated from soil sample. 2008. USA: Vermont.
- 9296 [ERL 1601] VS Gouli (Thr-08-E2). Isolated from soil sample. 2008. USA: Vermont.
- 9913 [ERL 1746] S Gouli (Thr.-09-1) and V Gouli. 2010. USA: Vermont.
- 9914 [ERL 1747] S Gouli and V Gouli (Thr.-09-2). [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9940 C Pérez Martínez (Lyc0 1). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.
- 9941 C Pérez Martínez (Lyc0 4). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.
- 9942 C Pérez Martínez (Lyc0 5). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.
- 11651 [ERL 582] S Gouli (CA-700) and V Gouli. Isolated from soil sample. 2002. USA: California.

- Conidiobolus firmipilleus* Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
-
- 2731 GW Riethmacher (C2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 8 Apr 1989. Philippines: La Trinidad, Benguet.
- 6384 AA Callaghan (53) or (08 and 026). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Arable field, Staffordshire, Keele, England.

- Conidiobolus heterosporus* Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
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- 6386 AA Callaghan (04 and 036). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.

- Conidiobolus iuxtagenitus* Waters & Callaghan
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
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- 6378 [ATCC 76115] AA Callaghan (55) or (04 and 023). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England. CULTURE EX TYPE.
- 7944 B Huang (L051115B8). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

- Conidiobolus lachnodes* Drechsler
[Zygomycetes: Entomophthoromycotina]
Ancylistaceae
-
- 700 DW Roberts (102381-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.

- Conidiobolus lamprauges* Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
-
- 2338 CC Brown. 15 yr. old Arabian m, *Equus ferus caballus* [Perissodactyla: Equidae]. Dec 1986. USA: Baton Rouge, Louisiana.
- 6361 G St-Germain (LSPQ 0467). Rec'd 24 Nov 1999. West Indies: Trinidad and Tobago.
- 6385 AA Callaghan (08 and 229). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Arable field, Staffordshire, Keele, England.

- Conidiobolus macrosporus* Srinivasan & Thirumalachar
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
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- 12830 [IP 396] Adult, [Diptera]. 6 Dec 2014. Brazil: Aruanã, Goiás. S 14° 48' 50.97", W 51° 04' 39.49". **RESTRICTED ACCESS:** contact Curator.

- Conidiobolus megalotocus* Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
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- 8428 B Huang (S051114A2). Isolated from soil sample. 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.

- Conidiobolus* nr. *coronatus* (Costantin) Batko
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. These strains produce secondary microconidia; their morphologies match the description of *C. coronatus* in every way except that no villose conidia have been observed. Positive identification as *C. coronatus* requires observation of villose conidia.

Caution: All precautions about handling <i>C. coronatus</i> should be observed with these strains.

- 598 RS Soper (8135). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 Mar 1981. Indonesia: greenhouse, Bogor, Jawa Barat, Java.
- 599 RS Soper (81227-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 27 Feb 1981. Indonesia: Ngaglik Village, Sleman District, Yogyakarta, Java.
- 600 RS Soper (81227-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 27 Feb 1981. Indonesia: Pendo Wo Har Djo, Sleman District, Yogyakarta, Java.
- 602 RS Soper (8133-2). *Sogatella furcifera* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.
- 1742 DW Roberts (26102a) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.
- 1743 DW Roberts (26104) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.

- Conidiobolus obscurus* (Hall & Dunn) Remaudière & S Keller
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. Major synonym: *Entomophthora thaxteriana*
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- 74 RG Kenneth (3043) ← ATCC (24418) and CBS (182.60) ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae] on *Medicago sativa*. Dec 1954. USA: Lakeview, California. Culture presumably EX TYPE.
- 97 [CSIRO EM529] N Wilding (6) ← C Dedryver. *Metopolophium dirhodum* [Hemiptera: Aphididae]. Acc'd 20 Nov 1978. France: nr. Rennes, Le Rheu, Ille-et-Vilaine.
- 121 [IPLB 20] JP Latgé and G Remaudière. *Uroleucon* sp. [Hemiptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.
- 122 [IPLB 21] JP Latgé and G Remaudière. *Uroleucon* sp. [Hemiptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.

- 124 [IPLB 54] JP Latgé and G Remaudière. *Aphis* sp. [Hemiptera: Aphididae] on *Cornus* sp. [Cornaceae]. 26 Aug 1976. Canada: Saint-Gédéon, Québec.
- 133 [ARSEF 355; CSIRO EM543; IPLB 542] G Remaudière ← JP Latgé. *Aphis armata* [Hemiptera: Aphididae] on *Digitalis purpurea*. 26 Jul 1974. France: Le Rosskopf, Moselle.
- 182 FR Holbrook. *Macrosiphum euphorbiae* [Hemiptera: Aphididae]. 10 Aug 1977. USA: Maine.
- 243 I Majchrowicz. [Hemiptera: ?Aphididae]. Rec'd 6 Sep 1978. Poland: Szczecin.
- 354 [ARSEF 824; CSIRO EM535] RJ Milner. *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. May 1978. Australia: Glen Innes, New South Wales.
- 355 [ARSEF 133; IPLB 542] CSIRO (EM543) ← JP Latgé. *Aphis armata* [Hemiptera: Aphididae] on *Digitalis purpurea*. 26 Jul 1974. France: Le Rosskopf, Moselle.
- 434 [FPMI 667] JP Latgé ← IPLB (542 (=ARSEFs 133 & 355)) or (722). [Hemiptera: Aphididae]. Rec'd 7 Mar 1980. France.
- 824 [ARSEF 354; CSIRO EM535] RJ Milner. *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. May 1978. Australia: Glen Innes, New South Wales.
- 832 CSIRO (EM566) ← PJ Cameron. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 25 May 1979. Laboratory manipulation.
- 834 CSIRO (EM591) ← D Crawford. *Acyrtosiphon pisum* [Hemiptera: Aphididae] on lucerne. 25 Jun 1980. Australia: Riverina Agricultural College, Wagga Wagga, New South Wales.
- 1131 [J Aoki Ent. 9; ARSEF 995 (deaccessioned)] M Shimazu (F-25). *Rhopalosiphum padi* [Hemiptera: Aphididae]. Apr 1976. Japan: Chikugo, Fukuoka Prefecture.
- 1741 N Wilding (90). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Jan 1979. Laboratory manipulation.
- 3089 MG Feng (MTRM9002). *Rhopalosiphum maidis* [Hemiptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.
- 3090 MG Feng (MTRM9003). *Rhopalosiphum maidis* [Hemiptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.
- 3092 MG Feng (MTMD9002). *Metopolophium dirhodum* [Hemiptera: Aphididae] on late-sown spring grain crop. 17 Aug 1990. USA: Bozeman, Montana.
- 3132 K Hural (GF-4). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 3133 K Hural (GF-5). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 3134 K Hural (GF-6). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 3135 K Hural (GF-7). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.
- 3137 K Hural (Hoff-2). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 3138 K Hural (Hoff-3). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 3139 K Hural (Hoff-4). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 3141 K Hural (Hoff-6). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.
- 5992 C Nielsen (KVL 98-13). Alate, *Rhopalosiphum padi* [Hemiptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.
- 7217 [SRCAMB G-161] V Likhovidov. Rec'd 29 Sep 2003.
- 9536 [SRCAMB VL-1704; VIZR 47] V Likhovidov. Rec'd 14 Aug 2008. Field Collection Number F-154.
- Conidiobolus osmodes*** Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
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- 79 [FPMI 695] RG Kenneth (3080) or (3) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: Sedé Eliyahu.
- 193 [ARSEF 447; ATCC 12590; CBS 155.56; RG Kenneth 3123; DS King M-7] C Drechsler. Decaying vegetable detritus. 20 Dec 1950. USA: Laplace, Louisiana. CULTURE EX TYPE.
- 447 [ARSEF 193 (lost); CBS 155.56; RG Kenneth 3123; DS King M-7] ATCC (12590) ← C Drechsler. Decaying vegetable detritus. 20 Dec 1950. USA: Laplace, Louisiana. CULTURE EX TYPE.
- Conidiobolus osmodes(?)*** Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
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- 5993 C Nielsen (KVL 98-15). Alate, *Rhopalosiphum padi* [Hemiptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.
- Conidiobolus paulus*** Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae
-
- 450 [CBS 140.57] ATCC (12942) ← C Drechsler. Plant detritus. 18 Nov 1954. USA: Park Falls, Wisconsin. CULTURE EX TYPE.

Conidiobolus pseudapiculatus S Keller

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. This species is morphologically similar to *Batkoa apiculata* (q.v.) in the size and shape of its primary conidia and production of stout rhizoids with a discoid holdfast.

- 1662 [IPLB 698] S Keller (478) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.
- 1664 [IPLB 877] S Keller (480) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.
- 1665 [IPLB 1027] S Keller (482) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.
- 2493 J Eilenberg (KVL 6). *Psila rosae* [Diptera: Psilidae]. 25 May 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2496 J Eilenberg (KVL 11). *Psila rosae* [Diptera: Psilidae]. 2 Jun 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2497 J Eilenberg (KVL 21). *Psila rosae* [Diptera: Psilidae]. 11 Aug 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2502 J Eilenberg (KVL 24). *Psila rosae* [Diptera: Psilidae]. Aug 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

Conidiobolus pumilus Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 453 [CBS 152.56; DS King C-32] ATCC (12584) ← C Drechsler. Plant detritus. 28 Feb 1952. USA: Arlington, Virginia. CULTURE EX TYPE.
- 6383 AA Callaghan (35) or (01 and 020). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Pasture, Staffordshire, Keele, England.

Conidiobolus rhyosporus Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 448 [CBS 157.56] ATCC (12588) ← C Drechsler. Decaying vegetable detritus. Acc'd 28 Apr 1980. USA: Laplace, Louisiana. CULTURE EX TYPE.

Conidiobolus stromoideus Srinivasan & Thirumalachar

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae

- 8430 B Huang (L051115B3). Nov 2005. USA: Ithaca, New York.

Conidiobolus thromboides Drechsler

[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. Major synonyms: *Entomophthora virulenta* Hall & Dunn, *Entomophthora pyriformis* Thozion, *Entomophthora destruens* Weiser & Batko.

- 2 [ARSEF 3364; CSIRO EM570] FR Holbrook. *Myzus persicae* [Hemiptera: Aphididae]. May 1972. USA:

greenhouse, Aroostook State Farm, Presque Isle, Maine.

- 5 RS Soper. Adult, [Diptera: Heliomyzidae]. 31 Jul 1972. USA: Aroostook State Farm, Presque Isle, Maine.
- 15 [ARSEF 115, 208, 3360, 3361; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] ATCC (14270) ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae] on *Medicago sativa*. Rec'd 2 Oct 1972. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.
- 22 RS Soper ← JE Henry. [Orthoptera: Acrididae]. 1973. USA: Bozeman, Montana.
- 29 RS Soper ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae]. Acc'd 19 Apr 1982. USA: California.
- 39 RS Soper. *Myzus persicae* [Hemiptera: Aphididae]. 12 Mar 1973. USA: State of Maine Potato Field, Homestead, Florida.
- 40 [ARSEF 3362; RG Kenneth 3024] *Macrosiphum euphorbiae* [Hemiptera: Aphididae]. 1973. USA: Aroostook State Farm, Presque Isle, Maine.
- 41 [ARSEF 3359; RG Kenneth 3023] *Myzus persicae* [Hemiptera: Aphididae]. Aug 1974. USA: Aroostook State Farm, Presque Isle, Maine.
- 42 [ARSEF 117 (lost); RG Kenneth 3025] N Wilding (3). *Aphis fabae* [Hemiptera: Aphididae]. Jul 1973. United Kingdom: field collection, Bedfordshire, England.
- 57 RS Soper. *Myzus persicae* [Hemiptera: Aphididae]. 29 Aug 1975. USA: Rogers Farm, Stillwater, Maine.
- 58 [Hemiptera: Aphididae]. 18 May 1975. Commonwealth of Independent States.
- 59 [Hemiptera: Aphididae]. 25 Jul 1975. Commonwealth of Independent States.
- 63 [CSIRO EM557] *Myzus persicae* [Hemiptera: Aphididae]. 27 Jul 1975. Commonwealth of Independent States.
- 64 27 Jul 1975. Commonwealth of Independent States.
- 70 [ARSEF 3363; IPLB 4] G Remaudière ← R Krejzova. *Culex pipiens pipiens* [Diptera: Culicidae]. Acc'd Feb 1978. Czech Republic.
- 73 [CSIRO EM534; FPMI 28] RG Kenneth (3040) ← ATCC (24419) ← DM MacLeod ← G Thozion. *Rhopalosiphum insertum* [Hemiptera: Aphididae]. Rec'd 18 Jan 1976. France: Val-de-Marne, La Varenne.
- 83 [CSIRO EM551, EM572] RG Kenneth (3086) or (E.a. 38) ← A Uziel. *Aphis gossypii* [Hemiptera: Aphididae] on pomegranate. 1976. Israel: Sedé Eliyahu.
- 84 [ARSEF 85] I Majchrowicz (14 10.6). Reisolate of ARSEF 22. Rec'd 6 Jul 1976. Laboratory manipulation.
- 85 [ARSEF 84] I Majchrowicz (14 10.6). Reisolate of ARSEF 22. Rec'd 6 Jul 1976. Laboratory manipulation.

- 86 [ARSEF 87] I Majchrowicz (17 16.6). [Diptera]. Sep 1974. Poland: Wielkopolski National Park.
- 87 [ARSEF 86] I Majchrowicz (17 16.6). [Diptera]. Sep 1974. Poland: Wielkopolski National Park.
- 99 N Wilding (8) ← EG Voronina. *Myzus persicae* [Hemiptera: Aphididae]. 1963. Commonwealth of Independent States: St. Petersburg, Russia.
- 100 [CSIRO EM552, EM573] N Wilding (9) ← EG Voronina. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 1963. Commonwealth of Independent States.
- 101 [ARSEF 1733] N Wilding (1). *Cavariella theobaldi* [Hemiptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 102 [ARSEF 1734, 363; CSIRO EM503] N Wilding (2). *Cavariella theobaldi* [Hemiptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 115 [ARSEF 15, 208, 3360, 3361; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] ATCC (14270) ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae] on *Medicago sativa*. Acc'd 18 Dec 1987. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.
- 120 [IPLB 19] JP Latgé and G Remaudière. *Uroleucon* sp. [Hemiptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.
- 194 I Ben-Ze'ev (38). *Aphis gossypii* [Hemiptera: Aphididae] on pomegranate tree. Apr 1976. Israel: Sedé Eliyahu.
- 208 [ARSEF 115, 15, 3360, 3361; ATCC 14270; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] G Hartmann ← I Hall. *Therioaphis maculata* [Hemiptera: Aphididae] on *Medicago sativa*. Rec'd Mar 1978. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.
- 242 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 244 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 245 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 246 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 247 I Majchrowicz. *Aphis fabae* [Hemiptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.
- 248 I Majchrowicz ← EG Voronina. [Hemiptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.
- 249 I Majchrowicz ← EG Voronina. [Hemiptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.
- 250 I Majchrowicz ← EG Voronina. [Hemiptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.
- 363 [ARSEF 102, 1734] CSIRO (EM503) ← N Wilding (2). *Cavariella theobaldi* [Hemiptera: Aphididae]. Acc'd 27 Jul 1979. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 630 I Majchrowicz (106). *Aphis fabae* [Hemiptera: Aphididae]. 16 Jul 1981. Poland: Gumience, Szczecin.
- 631 I Majchrowicz (107). *Aphis fabae* [Hemiptera: Aphididae]. 16 Jul 1981. Poland: Szczecin.
- 632 I Majchrowicz (110). *Aphis fabae* [Hemiptera: Aphididae]. 25 Jul 1981. Poland: Gryfino, Szczecin.
- 633 I Majchrowicz (109). *Aphis fabae* [Hemiptera: Aphididae]. 23 Jul 1981. Poland: Stanpanel.
- 634 I Majchrowicz (111). *Aphis fabae* [Hemiptera: Aphididae]. 27 Jul 1981. Poland: Szczecin.
- 635 I Majchrowicz (108). *Aphis fabae* [Hemiptera: Aphididae]. 18 Jul 1981. Poland: Szczecin.
- 649 JS Ferguson. *Myzus persicae* [Hemiptera: Aphididae] on potato (*Solanum tuberosum*). 7 Aug 1981. USA: Arlington Experimental Farm, Columbia County, Wisconsin.
- 1006 J Aoki (Ent. 15) ← H Tomiyama. [Hemiptera: Aphididae]. Nov 1976. Japan: Fuchu, Tokyo Prefecture.
- 1733 [ARSEF 101] N Wilding (1). *Cavariella theobaldi* [Hemiptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 1734 [ARSEF 102, 363; CSIRO EM503] N Wilding (2). *Cavariella theobaldi* [Hemiptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.
- 1735 N Wilding (8). *Aphis fabae* [Hemiptera: Aphididae]. Jul 1973. United Kingdom: Woburn Farm, Bedfordshire, England.
- 2828 MG Feng (MD8903). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2829 MG Feng (MD8907). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2849 MG Feng (MD8902). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2850 MG Feng (MD8908). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.
- 2914 LL Hotz. *Diuraphis tritici* [Hemiptera: Aphididae]. Rec'd 17 Nov 1989. USA: mixed field collection from Bozeman and Mocassin, Montana.
- 2955 MS Goettel. *Schizaphis graminum* [Hemiptera: Aphididae]. 25 Sep 1989. Canada: Writing-on-Stone Prov. Park, Warner County, Alberta.
- 3129 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 28 Sep 1990. USA: Hoffman field # 6B, Catherine, New York.

- 3359 [ARSEF 41] Acc'd 31 Jul 1991. Location not specified. ARSEF 41 resting spores stored at 4°C on 14 May 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3359.
- 3360 [ARSEF 115] Acc'd 31 Jul 1991. Location not specified. ARSEF 115 resting spores stored at 4°C on 23 March 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3360.
- 3361 [ARSEF 15] Acc'd 31 Jul 1991. Location not specified. ARSEF 15 resting spores stored at 4°C on 9 July 1975 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3361.
- 3362 [ARSEF 40] Acc'd 31 Jul 1991. Location not specified. ARSEF 40 resting spores stored at 4°C on 31 January 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3362.
- 3363 [ARSEF 70] Acc'd 31 Jul 1991. Location not specified. ARSEF 70 resting spores stored at 4°C from 25 March – 27 April 1976 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3363.
- 3364 [ARSEF 2] Acc'd 31 Jul 1991. Location not specified. ARSEF 2 resting spores stored at 4°C from 16 December – 13 January 1974 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3364.
- 4968 J Hatting (A). *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1995. South Africa: Bethlehem, Free State.
- 6000 Rec'd 3 Dec 1998.
- 6001 Rec'd 3 Dec 1998.
- 6381 AA Callaghan (42) or (04 and 037). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.
- 6662 M Shternshis. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 1981. Russian Federation: Novosibirsk Region.
- 7209 AE Hajek (03 NY 7-3-1). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.
- 7210 AE Hajek (03 NY 7-3-2). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.
- 7211 AE Hajek (03 NY 7-3-3). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.
- 7215 [SRCAMB B-156] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.
- 11664 KA Koch. *Aphis glycines* [Hemiptera: Aphididae]. Jul 2005. USA: University of Minnesota Outreach, Research, and Education Park, Rosemount, Minnesota. GPS Coordinates: N 44.7080722, W 93.0993032.
- Cordyceps* sp.**
[Sordariomycetes: Hypocreales]
Family cannot be determined since this genus in its old, broad sense is now segregated among several genera in three families
-
- 3718 RA LeBrun ← J Hanula (C-4). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.
- 4846 JM Sung (C-208). Adult, [Hemiptera: Pentatomidae]. 9 Jul 1993. Republic of Korea: Yongmoon Mt., Gyeonggi Province.
- 4848 JM Sung (C-317). Larva, Host not specified. 5 Jul 1994. Republic of Korea: Seolag Mt., Kangwon-do.
- 4851 JM Sung (C-328). Adult, [Hymenoptera: Apidae]. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwon-do.
- 4852 JM Sung (C-331). Adult, *Sitophilus oryzae* [Coleoptera: Curculionidae]. Jul 1994. Republic of Korea: KNU experiment Forest, Kangwon National University.
- 4854 JM Sung (C-356). Adult, [Orthoptera: Acrididae]. 25 Jul 1994. Republic of Korea: Mt. Myungji, Gyeonggi Province.
- 4855 JM Sung (C-402). Pupa, Host not specified. 31 Aug 1994. Republic of Korea: Kangwon National University.
- 4856 JM Sung (C-414). Pupa, Host not specified tree branch. 31 Aug 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University.
- 4875 JM Sung (C-128). Rec'd Feb 1995.
- 4876 JM Sung (C-278). Rec'd Feb 1995.
- 4936 H Sato (F522). Host not specified. 16 Jun 1995. Location not specified.
- 6281 [RCEF 0243] [Hemiptera: Cicadellidae]. 8 Aug 1996. PR China: Guizhou Province.
- 6349 [RCEF 0244] [Hemiptera: Cercopidae]. 8 Aug 1996. PR China: Guizhou Province.
- 7807 [SRCAMB VLI-83/C] V Likhovidov. Rec'd 29 Sep 2003.
- 7808 [SRCAMB VL-470] V Likhovidov. [Lepidoptera] Isolated from stroma. Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-164.
- 7811 [SRCAMB VL-375] V Likhovidov. [Lepidoptera] Isolated from stroma. Jul 2002. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-166.
- 7848 [SRCAMB B-47] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Scarabaeidae] Isolated from stroma. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-200.
- 9486 [SRCAMB VL-1610/3] V Likhovidov. Pupa, [Lepidoptera]. Sep 2004. Russian Federation: Kavkazkiy Nature Reserve, Krasnodarsky Krai. Field Collection Number F-766.

Cordyceps agriota A Kawamura
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps agriotidis* A Kawamura (originally published as *C. agriota*)

5692 JM Sung (KEFC-550). Larva, Phylum Arthropoda, Class Insecta. 28 Jul 1995. Republic of Korea: Ji-am Ri, Chuncheon, Kangwon-do.

Cordyceps bassiana ZZ Li, CR Li, B Huang & MZ Fan
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Anamorph: resembles *Beauveria bassiana* (Balsamo-Crivelli) Vuillemin

7047 [RCEF 0711] M Fan and Z Li. Larva, [Lepidoptera: Cossidae]. 3 Sep 2000. PR China: Guniujiang National Nature Reserve, Shitai County, Anhui. CULTURE EX TYPE.

Cordyceps bifusispora O Eriksson
[Sordariomycetes: Hypocreales]

Cordycipitaceae

5690 JM Sung (KEFC-402). Pupa, Phylum Arthropoda, Class Insecta. 31 Aug 1994. Republic of Korea: Bong-Myung Ri, Chuncheon, Kangwon-do.

Cordyceps brongniartii Shimazu
[Sordariomycetes: Hypocreales]

Cordycipitaceae

7516 M Shimazu (F-621). Larva, *Anomala cuprea* [Coleoptera: Scarabaeidae]. 27 Jul 1987. Japan: Nishidake, Nagano Prefecture. Isolated from a perithecium. Anamorph is *Beauveria brongniartii*. Identification verified genomically.

7517 M Shimazu (F-638). Larva, *Anomala cuprea* [Coleoptera: Scarabaeidae]. 16 Apr 1988. Laboratory manipulation. Isolated from an ascospore. Anamorph is *Beauveria brongniartii*. Identification verified genomically.

Cordyceps cardinalis Sung & Spatafora
[Sordariomycetes: Hypocreales]

Cordycipitaceae

7192 JW Spatafora (OSC 93609) and GH Sung. [Lepidoptera: Tineidae: Archolophinae]. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee. CULTURE EX HOLOTYPE.

7193 JW Spatafora (OSC 93610) and GH Sung. [Lepidoptera: Tineidae: Archolophinae]. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee.

7194 JW Spatafora (OSC 93612) and GH Sung. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee.

7195 JW Spatafora (OSC 93613) and GH Sung. 19 Jul 2000. Hen Wallow Trail.

7196 JW Spatafora (OSC 93614) and GH Sung. 25 Jul 2000.

7197 JW Spatafora (OSC 93616) and GH Sung. 25 Jul 2000.

7198 JW Spatafora (OSC 93617). 25 Jul 2000.

7199 25 Jul 2000.

Cordyceps gunnii (Berkeley) Berkeley
[Sordariomycetes: Hypocreales]

Cordycipitaceae

6828 G Gates. 28 Mar 2001. Australia: Wielangta State Forest, Lake St. Clair, Tasmania.

Cordyceps isarioides Curtis ex Massee
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Synonym: *Cordyceps tuberculata* (Lebert) Maire

5688 JM Sung (KEFC-199). [Lepidoptera]. 25 Jun 1992. Republic of Korea: Bong-Myung Ri, Chuncheon, Kangwon-do.

Cordyceps militaris (Linnaeus:Fries) Link
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Anamorph: *Verticillium* sp. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.

2416 M Shimazu (F-522). [Lepidoptera: Geometridae]. 17 Jun 1985. Japan: Mt. Akagi.

4081 KT Hodge (C1). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4082 KT Hodge (C2). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4083 KT Hodge (C3). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4084 KT Hodge (C4). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4085 KT Hodge (D1). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4086 KT Hodge (D2). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4087 KT Hodge (D3). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4088 KT Hodge (D4). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4089 KT Hodge (D5). Pupa, [Lepidoptera] Mixed hemlock/beechness. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

- 4838 KT Hodge (kth28a). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4839 KT Hodge (kth28b). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4840 KT Hodge (kth28c). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4841 KT Hodge (kth28d). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4842 KT Hodge (kth28e). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.
- 4845 JM Sung (C-171). Pupa inside of cocoon, [Lepidoptera]. 12 Sep 1992. Republic of Korea: Kangweon Nation University Experiment Forest.
- 4847 JM Sung (C-275). Adult, Host not specified. 4 Sep 1993. Republic of Korea: Yongmoon Mt., Gyeonggi Province.
- 4857 JM Sung (C-418). Pupa, Host not specified. 3 Sep 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University.
- 4869 JM Sung (C-225-1). Larva, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- 4873 JM Sung (C-238). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- 4874 JM Sung (C-273). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Mt. Chil-gap, Choong-Chung Nam Do.
- 5002 KT Hodge (kth31A-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5003 KT Hodge (kth31A-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5004 KT Hodge (kth31A-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5005 KT Hodge (kth31A-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5006 KT Hodge (kth31A-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5007 KT Hodge (kth31A-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5008 KT Hodge (kth31A-7). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5009 KT Hodge (kth31A-8). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5010 KT Hodge (kth31A-9). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5011 KT Hodge (kth31A-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.
- 5012 KT Hodge (kth31C-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5013 KT Hodge (kth31C-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5014 KT Hodge (kth31C-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5015 KT Hodge (kth31C-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5016 KT Hodge (kth31C-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.
- 5017 KT Hodge (kth31C-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

- 5062 KT Hodge (kth31G-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.
- 5804 DJ Lodge. Rec'd 7 Aug 1998. USA: Big Tree Trail, Puerto Rico. Ascospore culture from specimen accessioned as PR-4894.
- 6248 [RCEF 0095] Pupa, [Lepidoptera]. 27 Jul 1997. PR China: Anhui. Chains of conidia with Mariannaea-like orientation but not sliming down to Lecanicillium state as normally expected.
- 7809 [SRCAMB B-79] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-165.
- 7810 [SRCAMB B-90] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-168.
- 8011 BC King (CmE). Spring 2003. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AB027379 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator*.
- 8012 BC King (CmN). Larva, [Lepidoptera]. Spring 2003. USA: Allegheny National Forest, Pennsylvania. **RESTRICTED ACCESS:** *consult Curator*.
- 9484 [SRCAMB VL-1983] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma. 12 Aug 2005. Russian Federation: Moscow Region. Field Collection Number F-854.
- 11703 T Wen (LG-11-15). Pupa, [Lepidoptera]. 2011. PR China: Leigong Mountain, Guizhou Province.
- 11704 T Wen (KM-1). Pupa, [Lepidoptera]. 2005. PR China: Kunming, Yunnan Province.
- Cordyceps ochraceostromata* Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 5691 JM Sung (KEFC-535). Larva, Phylum Arthropoda, Class Insecta. Summer 1995. Republic of Korea: Chiag Mt., Kangwon-do.
- Cordyceps pruinosa* Petch
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Mariannaea pruinosa* ZQ Liang
-
- 5693 JM Sung (KEFC-628). Pupa, Phylum Arthropoda, Class Insecta. 17 Aug 1995. Republic of Korea: Won-Pyung Ri, Chuncheon, Kangwon-do.
- 7221 [SRCAMB B-297] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. 8 Jul 2003. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-324.
- 11723 T Wen ((4-2)). Pupa, [Lepidoptera]. 2006. PR China: Qingcheng Mountain, Sichuan Province.
- 11724 T Wen (CP). Pupa, [Lepidoptera]. 2008. PR China: Leigong Mountain, Guizhou Province.
- Cordyceps pseudoinsignis* Cooke & Ravanel
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 7222 [SRCAMB B-247] V Likhovidov ← BA Borisov. Larva, Phylum Arthropoda, Class Insecta Isolated from stroma of *Cordyceps* sp. 14 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-308.
- Cordyceps roseostromata* Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 4870 JM Sung (C-228). Larva, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- 4871 JM Sung (C-234). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- 4872 JM Sung (C-237). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.
- Cordyceps scarabaeicola* Kobayasi
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Beauveria*
-
- 7277 JM Sung (EFCC 2533). [Coleoptera: Chrysomelidae]. 6 Aug 1998. Nepal.
- 7278 JM Sung (EFCC 2535). [Coleoptera: Chrysomelidae]. 6 Aug 1998. Nepal.
- Cordyceps spgazzinii* Torres, Bischoff & White
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 7850 JF Bischoff (JB211) and JF White Jr. Aug 2003. Panama: Barro Colorado Island.
- Cordyceps staphylinidaecola* Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Beauveria*
-
- 5718 [ARSEF 6719] JM Sung (KEFC-783). Larva, Phylum Arthropoda, Class Insecta. 16 Sep 1995. Republic of Korea: Mt. Samak, Chuncheon, Kangwon-do. **RESTRICTED ACCESS:** *contact Curator*.
- 6719 [ARSEF 5718] JM Sung (KEFC-783). Larva, Phylum Arthropoda, Class Insecta. 16 Sep 1995. Republic of Korea: Mt. Samak, Chuncheon, Kangwon-do. **RESTRICTED ACCESS:** *contact Curator*.
- 6720 JM Sung (KEFC-2899). 12 May 1999. Republic of Korea: Department of Environmental Biology, Kangwon National University, Chuncheon, Kangwon-do. Reisolation from stroma of KEFC-783 produced in culture. **RESTRICTED ACCESS:** *contact Curator*.

Fungal Cultures

Crypticola clavulifera Humber, Frances & Sweeney in
Frances, Sweeney & Humber
[Peronosporomycetes: Myzocytiopsidales]
Crypticolaceae

1940 [ARSEF ?2529; ATCC 76239] SP Frances and AW
Sweeney. Larva, *Forcipomyia marksae* [Diptera:
Ceratopogonidae] breeding in the leaf axils of *Taro*
sp. 8 Jun 1985. Australia: Millaa Millaa, Queensland.

Culicinomyces bisporalis Sigler, Frances & Panter
[Sordariomycetes: Hypocreales]

1948 [UAMH 5174] SP Frances (MM1) and AW Sweeney.
Larva, *Aedes kochi* [Diptera: Culicidae] breeding
in leaf axils. 4 Jun 1984. Australia: Millaa Millaa,
Queensland.

1949 [UAMH 5175] SP Frances (MM2) and AW Sweeney.
Larva, *Aedes kochi* [Diptera: Culicidae] breeding
in leaf axils. 8 Jun 1985. Australia: Millaa Millaa,
Queensland. **RESTRICTED ACCESS:** consult
Curator.

Culicinomyces clavisporus Couch, Romney & Rao
[Sordariomycetes: Hypocreales]

372 [UAMH 4848] JN Couch. *Anopheles quadrimaculatus*
[Diptera: Culicidae]. Rec'd 1979. USA: University
Lake, Chapel Hill, North Carolina.

582 [UAMH 4849] LS Olive (single spore isolate #1)
← SV Romney. *Anopheles quadrimaculatus* [Diptera:
Culicidae]. Rec'd 10 Apr 1981. USA: University Lake,
Chapel Hill, North Carolina.

583 [UAMH 4869] LS Olive (single spore isolate #2)
← SV Romney. *Anopheles quadrimaculatus* [Diptera:
Culicidae]. Rec'd 10 Apr 1981. USA: University Lake,
Chapel Hill, North Carolina.

584 [UAMH 4850] LS Olive (single spore isolate #3)
← SV Romney. *Anopheles quadrimaculatus* [Diptera:
Culicidae]. Rec'd 10 Apr 1981. USA: University Lake,
Chapel Hill, North Carolina.

585 LS Olive (single spore isolate #4) ← SV Romney.
Anopheles quadrimaculatus [Diptera: Culicidae].
Rec'd 10 Apr 1981. USA: University Lake, Chapel
Hill, North Carolina.

644 [ARSEF 541 (lost)] AW Sweeney (298A). Larva,
Anopheles amictus hilli [Diptera: Culicidae]. Rec'd
13 Oct 1981. Australia: Sydney, New South Wales.

645 AW Sweeney (298B). Larva, *Anopheles amictus hilli*
[Diptera: Culicidae]. Rec'd 13 Aug 1981. Australia:
Sydney, New South Wales.

706 [UAMH 4851] AL Knight. Larva, [Diptera: Culicidae].
Rec'd Feb 1982. USA: North Carolina.

964 [ATCC 52635; CBS 755.83; IMI 280342] UAMH
(4618) ← MS Goettel (FI-59). Larva, *Culiseta in-*
ornata [Diptera: Culicidae]. 12 Aug 1982. Canada:
pond, N of Devon, Alberta.

1260 UAMH (4854) ← MS Goettel (25B). Larva, *Culiseta*
inornata [Diptera: Culicidae]. Acc'd 3 May 1984.
Laboratory manipulation.

2471 SP Frances (MI2). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 8 Dec 1981. Australia: Mittagong, New
South Wales.

2472 SP Frances (MI4). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 5 Jan 1982. Australia: Mittagong, New
South Wales.

2473 SP Frances (MI5). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 12 May 1982. Australia: Mittagong, New
South Wales.

2474 SP Frances (MI7). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 19 May 1982. Australia: Mittagong, New
South Wales.

2475 SP Frances (MI11). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 9 Jun 1982. Australia: Mittagong, New
South Wales.

2476 SP Frances (MI17). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 18 Aug 1982. Australia: Mittagong, New
South Wales.

2477 SP Frances (MI19). Larva, *Aedes rupestris* [Diptera:
Culicidae]. 6 Apr 1983. Australia: Mittagong, New
South Wales.

2478 SP Frances (MI21). Larva, *Dasyhelea* sp. [Dip-
tera: Ceratopogonidae]. 27 Apr 1983. Australia:
Mittagong, New South Wales.

2479 SP Frances (VI1). Larva, *Culiseta inconspicua* [Dip-
tera: Culicidae]. 6 Dec 1984. Australia: Mallacoota,
Victoria.

2480 SP Frances (QI1) ← DW Roberts and AW Sweeney.
Larva, *Forcipomyia marksae* [Diptera: Ceratopogo-
nidae]. 16 Aug 1985. Australia: Millaa Millaa,
Queensland.

2481 SP Frances (QI2). Larva, *Forcipomyia marksae*
[Diptera: Ceratopogonidae]. 30 Oct 1985. Australia:
Millaa Millaa, Queensland.

2482 UAMH (4854) ← MS Goettel (25B). *Culiseta in-*
ornata [Diptera: Culicidae]. Acc'd 19 Nov 1987.
Laboratory manipulation.

2526 SP Frances (MI14). Rec'd 26 Oct 1987. Location not
specified.

2527 SP Frances (MI16). Rec'd 26 Oct 1987. Location not
specified.

2622 MS Goettel ← SP Frances (MI26) and AW Sweeney.
[Diptera: Culicidae]. Acc'd 20 Oct 1988. Australia.

Curvularia sp.

[Dothideomycetes: Pleosporales]
Pleosporaceae

6367 Adult, female, *Zulia carbonaria* [Hemiptera: Cercopi-
dae]. 28 Jun 1998. Colombia: Santander de Quilichao,
Cauca.

Cylindrocarpon sp.

[Sordariomycetes: Hypocreales]
Nectriaceae

- 5758 BL Parker (SPT 035). *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1998. Turkey: Graek, Kalayak, Elbistan, Kahraman Maras.
- 8043 E Herrera Navarro (V3 - Aphid). *Diatraea saccharalis* [Lepidoptera: Pyralidae] isolate passed through *Brevicoryne brassicae* [Homoptera: Aphididae]. Rec'd 24 May 2006. Mexico: Tecomán, Colima.
- 8044 E Herrera Navarro (V3 - Leps). *Diatraea saccharalis* [Lepidoptera: Pyralidae] isolate passed through *Helicoverpa zea* [Lepidoptera: Noctuidae]. Rec'd 24 May 2006. Mexico: Tecomán, Colima.

Dactylaria brochopaga Drechsler

[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 5662 SL Glockling. Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Dactylaria candida (Nees) Saccardo

[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 5588 SL Glockling (K1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Dactylella sp.

[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 6372 Adult, male, *Aeneolamia varia* [Hemiptera: Cercopidae]. 2 Jul 1999. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.

Dactylella aphrobrocha Drechsler

[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 5589 SL Glockling (16). Phylum Nemata from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.

Dactylella doedycoides Drechsler

[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 5661 SL Glockling. Phylum Nemata from horse manure. 11 Nov 1997. United Kingdom.

Dactylella heterospora Drechsler

[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 5660 SL Glockling. Phylum Nemata from cow manure. 11 Nov 1997. United Kingdom.

Dactylella leptospora Drechsler

[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 5590 SL Glockling (LD2). Phylum Nemata from soil and vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

Dactylella oxyspora (Saccardo & Marchal) Matsushima

[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 4801 [CBS 497.92] A Rubner (AR 922). From soil. Mar 1992. USA: California.

Doratomyces(?) sp.

[Sordariomycetes: Microascales]
Microasaceae

- 9367 [ERL 1667] S Gouli and V Gouli (HWA-G-20). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

Drechmeria coniospora (Drechsler) Gams & Jansson

[Sordariomycetes: Hypocreales]

- 2468 [CBS 615.82] BM Zuckerman ← HB Jansson. Phylum Nemata, Class Secernentea. Rec'd 12 Nov 1987. Sweden. **RESTRICTED ACCESS:** *consult Curator*.
- 3346 P Timper ← BA Jaffee (M-19) ← R Mankau. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California. **RESTRICTED ACCESS:** *consult Curator*.
- 3354 P Timper (C1). Phylum Nemata, Class Secernentea. Mar 1991. USA: Minns Garden, Cornell University, Ithaca, New York. **RESTRICTED ACCESS:** *consult Curator*.
- 5591 SL Glockling (CS1). Phylum Nemata from cow manure. 10 Aug 1997. United Kingdom: N.E. England.
- 5592 SL Glockling (A4). Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.
- 5739 [ARSEF 2468] Rec'd 23 Jun 1998.
- 6962 JE Williams (1). 18 Dec 2001. Plant Protection Research Unit laboratory reisolation of ARSEF 2468.
- 6963 JE Williams (2). 18 Dec 2001.
- 6964 18 Dec 2001.
- 6965 18 Dec 2001.
- 6966 18 Dec 2001.
- Drechslerella dactyloides* (Drechsler) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonym: *Arthrobotrys dactyloides* Drechsler
- 2934 [ARSEF 3353 (deaccessioned)] BA Jaffee (Ad3). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field # 3, Solano County, California.

- 3371 KT Hodge ← P John (RhΔ). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.
- 3372 KT Hodge ← P John (Rh2). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.
- 3373 KT Hodge ← P John (74☺). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.
- 3733 BA Jaffee (CR106). Rec'd 1 Jun 1992. USA: Merced County, California.
- 4955 N Viaene (3). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Dutch Ridge Road, Oswego, New York.
- 5433 BA Jaffee (CR157). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.
- 5586 SL Glockling (LD2). Phylum Nemata from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.
- 5587 SL Glockling (CS3a). Phylum Nemata from soil and vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.
- Duddingtonia flagrans*** (Duddington) RC Cooke
[Orbiliomycetes: Orbiliales]
Orbiliaceae
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- 5701 BA Jaffee (AN171). From garden compost. Nov 1997. USA: Davis, Yolo County, California.
- Elaphocordyceps capitata*** (Holmskjold) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps capitata* (Holmskjold : Fries) Link
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- 8009 BC King (Cc). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. Oct 2004. USA: near Breitenbush Hot Springs, Detroit, Oregon. GenBank match - AY489721 (99.28%) LSU. **RESTRICTED ACCESS:** consult Curator.
- Elaphocordyceps ophioglossoides*** (Ehrhart : Fries)
GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps ophioglossoides* (Ehrhart : Fries) Link. Anamorph: *Verticillium* sp. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.
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- 4826 KT Hodge (kth29a). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4827 KT Hodge (kth29b). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4828 KT Hodge (kth29c). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4829 KT Hodge (kth29d). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4830 KT Hodge (kth29e). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4831 KT Hodge (kth29f). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4832 KT Hodge (kth29g). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4833 KT Hodge (kth29h). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4834 KT Hodge (kth29i). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4835 KT Hodge (kth29j). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4836 KT Hodge (kth29k). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.
- 4837 KT Hodge (kth29l). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

8013 BC King (Co). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. Fall 2004. Canada: Campbell River, British Columbia. GenBank match - AJ309360 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator.*

9485 [SRCAMB VL-2127] V Likhovidov. *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 25 Aug 2006. Russian Federation: Tver Region. Field Collection Number F-147.

Engyodontium album (Limber) de Hoog
[Hyphomycetes]

6002 KT Hodge. [Araneida: ?Pholcidae]. 7 Dec 1998. USA: house basement, 9754 Savercool Road, Trumansburg, New York.

7712 [SRCAMB VL-70/E] V Likhovidov. [Araneida]. Oct 2001. Russian Federation: Serpukhov District, Moscow Region. Field Collection Number F-230.

7713 [SRCAMB B-229] V Likhovidov ← BA Borisov. Isolated from soil sample. 2001. Russian Federation: Kholm, Novgorod Region. Field Collection Number F-263.

9454 [SRCAMB VL-1508/1] V Likhovidov. [Araneida]. 9 Sep 2004. Russian Federation: Caucasus Mountains, Sochi District, Krasnodarsky Krai. Field Collection Number F-517.

Engyodontium aranearum (Cavara) W Gams, de Hoog, Samson & HC Evans
[Hyphomycetes]

2929 [MU 248] MA Vincent (2609). *Pholcus phalangoides* [Araneida: Pholcidae]. 6 Sep 1987. USA: moist basement, 6888 Burch Rd., Richland Twp. sect. 22, Darke County, Ohio.

2935 [MU 302] MA Vincent (3201). *Pholcus phalangoides* [Araneida: Pholcidae]. Jul 1989. USA: moist basement, 6888 Burch Rd., Richland Twp. sect. 22, Darke County, Ohio.

6441 KS Hansen. Phylum Arthropoda, Class Arachnida. 13 Feb 2000. USA: stone cellar, 578 Valley Road, Brooktondale, New York.

Engyodontium rectidentatum (Matsush.) W. Gams, de Hoog, Samson & H.C. Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7805 [SRCAMB B-158] V Likhovidov ← BA Borisov. [Coleoptera: Scarabaeidae] Isolated from unripened stroma. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-269.

Engyodontium(?) sp.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

9475 [SRCAMB VL-70/2S] V Likhovidov. [Araneida].

Oct 2001. Russian Federation: Serpukhov District, Moscow Region. Field Collection Number F-248.

9476 [SRCAMB VL-1687] V Likhovidov. [Hemiptera: Psyllidae]. 19 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-769.

Entomophaga sp.
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

393 [FPMI 770] S Keller (114). Larva, [Lepidoptera]. Rec'd 27 May 1980. Switzerland.

1126 DW Roberts (020184-2A). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 2 Jan 1984. Philippines: IRRIL, Los Baños, Manila.

1230 [CNPAF 84-04-09-1B; CP 130] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 9 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.

1881 DW Roberts (110485-2) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae] on cacao. 11 Apr 1985. Solomon Islands: nr. Honiara, Guadalcanal.

Entomophaga asiatica Humber, Soper & Shimazu in Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

1393 RS Soper (84627-6). [Orthoptera: Acrididae]. 27 Jun 1984. Japan: nr. Tsuruga, Fukui Prefecture.

1659 M Shimazu (F-457) and RS Soper. *Parapodisma* sp. [Orthoptera: Acrididae]. Jun 1984. Japan: Fukui Prefecture.

Entomophaga aulicae (Reichardt in Bail) Humber
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains will grow as wall-less protoplasts in liquid tissue culture media or as walled hyphae on solid culture media.

51 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: 12.4 mi from Rt. 11/159 in Patten, Shin Pond, Maine.

164 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1977. USA: forest-lower, nr. Carroll, Maine.

165 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. Jul 1977. USA: Sherman, Maine.

166 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-lower, nr. Carroll, Maine.

167 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-upper, nr. Carroll, Maine.

- 168 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-upper, nr. Carroll, Maine.
- 172 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. Jul 1977. USA: forest-lower, Shin Pond, Maine.
- 198 [ARSEF ?998; FPMI 707] RG Kenneth (3136) ← J Aoki. *Aedia leucomelas* [Lepidoptera: Noctuidae] on *Ipomea batatas* (sweet potato). 29 Oct 1976. Japan: Fuchu, Tokyo Prefecture.
- 251 JG Hamm. ?*Heliothis* sp. [Lepidoptera: Noctuidae] on sorghum. Rec'd Sep 1978. USA: GA Coastal Plain Experiment Station, Tifton, Georgia.
- 998 [ARSEF ?198] J Aoki (Ent. 14) ← A Ohkawa. *Aedia leucomelas* [Lepidoptera: Noctuidae]. Oct 1976. Japan: Fuchu, Tokyo Prefecture.
- 1140 [ARSEF 1656] M Shimazu (F-339). [Lepidoptera]. 8 Apr 1982. Japan: Ibaraki Prefecture.
- 1655 [ARSEF 1142 (lost); CSIRO EM693] M Shimazu (F-343). *Dendrolimus spectabilis* [Lepidoptera: Lasiocampidae]. Rec'd Oct 1984. Japan: Ibaraki Prefecture.
- 1656 [ARSEF 1140] M Shimazu (F-339). [Lepidoptera]. Rec'd Oct 1984. Japan: Ibaraki Prefecture.
- 1657 [CSIRO EM690] M Shimazu (F-327). *Mamestra brassicae* [Lepidoptera: Noctuidae]. Acc'd 19 Oct 1984. Japan: Ibaraki Prefecture.
- 1751 J Mitsuhashi (Emb-1). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 29 Oct 1984. Japan: Ibaraki Prefecture.
- 1990 FPMI (491). *Lambdina fiscellaria lugubrosa* [Lepidoptera: Geometridae]. 16 Aug 1972. Canada: Coquitlam, British Columbia.
- 1991 FPMI (458). *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. 8 Sep 1970. Canada: Boots Brook, Newfoundland.
- 1992 FPMI (889). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 5 Jul 1985. Canada: Black Sturgeon, Ontario.
- 1993 FPMI (771). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 25 Jun 1984. Canada: Black Sturgeon, Ontario.
- 1994 FPMI (776). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 22 Jun 1984. Canada: Black Sturgeon, Ontario.
- 1995 FPMI (777). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 22 Jun 1984. Canada: Black Sturgeon, Ontario.
- 1997 FPMI (894). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 29 Jul 1985. Canada: Black Sturgeon, Ontario.
- 1998 FPMI (877). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 11 Sep 1979. Canada: Thessalon, Ontario.
- 1999 FPMI (576). *Pseudaletia* sp. [Lepidoptera: Noctuidae]. 18 Jul 1976. Canada: Sault Ste. Marie, Ontario.
- 2000 FPMI (513). *Enypia griseata* [Lepidoptera: Geometridae]. 1975. Canada: British Columbia.
- 2362 M Shimazu (F-554-4). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2363 M Shimazu (F-553-3). *Autographa gamma* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2365 M Shimazu (F-553-1). *Autographa gamma* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2366 M Shimazu (F-555). *Colias erate poliographus* [Lepidoptera: Pieridae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2367 M Shimazu (F-554-3). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2368 M Shimazu (F-554-2). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2369 M Shimazu (F-554-1). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.
- 2372 M Shimazu (F-531). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 14 May 1986. Japan: Chiyoda-mura, Ibaraki Prefecture.
- 2373 M Shimazu (F-530-2). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 6 May 1986. Japan: Sakura-mura, Chiba Prefecture.
- 2374 M Shimazu (F-530-1). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 6 May 1986. Japan: Sakura-mura, Chiba Prefecture.
- 2843 JC Silver ← A Sands. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. Aug 1989. USA: Wilmington, Vermont.
- 2896 FPMI (521). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 13 Jul 1973. Canada: Newfoundland.
- 2897 FPMI (626). *Dryocampa rubicunda* [Lepidoptera: Saturniidae]. 1973. Canada: Ontario.
- 2898 FPMI (646). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 27 Jul 1978. Canada: Newfoundland.
- 2899 FPMI (717). *Rheumaptera hastata* [Lepidoptera: Geometridae]. 16 Aug 1982. Canada: Gargantua, Ontario.
- 2900 FPMI (893). *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. 29 Jul 1983. Canada: Gander, Newfoundland.
- 2901 FPMI (934). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 2 Jul 1986. Canada: Black Sturgeon, Ontario.

- 2902 FPMI (597). *Heterocampa* sp. [Lepidoptera: Notodontidae]. 2 Aug 1976. Canada: St. Joseph's Island, Ontario.
- 2903 FPMI (598). *Ellida caniplaga* [Lepidoptera: Notodontidae]. 10 Aug 1976. Canada: St. Joseph's Island, Ontario.
- 2904 FPMI (600). *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 22 Jul 1976. Canada: Hilton Beach, Ontario.
- 2905 FPMI (602). *Heterocampa biundata* [Lepidoptera: Notodontidae]. 14 Aug 1976. Canada: St. Joseph's Island, Ontario.
- 3016 MH Griggs. Larva, [Lepidoptera: Noctuidae]. 9 Jul 1990. USA: Game Farm Rd., Ithaca, New York.
- 3039 AE Hajek. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 3 Aug 1990. USA: Stamford, New York.
- 3212 AE Hajek. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 3 Aug 1990. USA: Stamford, New York. Resting spores from ARSEF 3039.
- 3602 AE Hajek. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 10 Jun 1991. USA: McGowan Woods, Ithaca, New York. Resting spores.
- 4004 [AE Hajek A-OV] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 12 Aug 1993. USA: Bodega Bay, California.
- 4005 [AE Hajek] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 12 Aug 1993. USA: Bodega Bay, California.
- 4006 [AE Hajek] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 12 Aug 1993. USA: Bodega Bay, California.
- 4007 AE Hajek. Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] *Lupinus arboreus*. Rec'd 12 Aug 1993. USA: Bodega Bay, California.
- 4008 AE Hajek (D-OV). Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] on *Lupinus arboreus* Sims, yellow bush lupine. Rec'd 17 Aug 1993. USA: Bodega Bay, California.
- 7140 AE Hajek (03 ME 1-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Coastal Studies Center, Orrs Island, Maine.
- 7141 AE Hajek (03 ME 2-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: 601 Merriman Point, Harpswell Neck, Maine.
- 7142 AE Hajek (03 ME 3-1-2). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Yarmouth, Maine.
- 7143 AE Hajek (03 ME 4-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Old Ledge School, Yarmouth, Maine.
- 7144 AE Hajek (03 ME 5-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Windy Hill, Bailey Island, Maine.
- 7145 AE Hajek (03 ME 6-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: CCI CV, Bailey Island, Maine.
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- Entomophaga australiensis*** Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
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- 328 [FPMI 767] RS Soper (P-38). *Cicadella* sp. [Hemiptera: Cicadellidae] on rice. Feb 1979. Australia: Arriga, Queensland.
- 331 [ARSEF 332 (lost)] RS Soper ← K Chandler. *Cicadetta puer* [Hemiptera: Cicadidae] on sugar cane. 14 Feb 1979. Australia: Cairns, Queensland.
- 365 RS Soper. *Cicadetta puer* [Hemiptera: Cicadidae]. 13 Feb 1979. Australia: Cairns, Queensland.
- 581 RS Soper (81223-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 23 Feb 1981. Indonesia: Bangun Village, Kecamatan Tanjung, Deliserdang District, Sumatera Utara, Sumatra.
- 743 [CNPAF 82-3-10-04; CP 33] RS Soper. [Hemiptera: Cicadellidae]. 10 Mar 1982. Brazil: CNPAF, Goiânia, Goiás.
- 791 [CNPAF 82-5-7-3D-1; CP 44] RA Daoust and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 7 May 1982. Brazil: 4 km from Goianinha, Rio Grande do Norte.
- 1888 RS Soper. Reisolate of ARSEF 743. 10 May 1982. Brazil: CNPAF, Goiânia, Goiás.
- 1920 P Taylor. Reisolate of ARSEF 331 passed through *Sogatodes oryzicola* [Homoptera: Delphacidae]. Jul 1985. Laboratory manipulation.
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- Entomophaga calopteni*** (Bessey) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.
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- 383 RA Humber ← DM MacLeod. *Melanoplus flavidus* [Orthoptera: Acrididae]. 3 Aug 1979. USA: Sheridan, Wyoming.
- 390 RA Humber ← RS Soper. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 3 Aug 1979. USA: Sheridan, Wyoming.
- 408 RA Humber. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 2 Aug 1979. USA: Broadus, Montana.
- 497 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 27 Jun 1979. USA: Salt Water Canyon, Eagar, Arizona.
- 498 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 5 Jul 1980. USA: White River, South Dakota.

- 500 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae] resting spore isolate passed through *Locusta migratoria* [Orthoptera: Acrididae]. Summer 1980. Laboratory manipulation.
- 623 BJ Martinell (004B(M. cun haem)). *Melanoplus cuneatus* [Orthoptera: Acrididae]. 18 Jun 1981. USA: Southwater Canyon, Arizona.
- 625 BJ Martinell (014B). *Melanoplus packardii* [Orthoptera: Acrididae]. 1 Jul 1981. USA: alfalfa field, Eagar, Arizona.
- 626 BJ Martinell (004A(M. cun femur)). *Melanoplus cuneatus* [Orthoptera: Acrididae]. 18 Jun 1981. USA: Southwater Canyon, Arizona.
- 646 BJ Martinell. *Melanoplus cuneatus* [Orthoptera: Acrididae]. 1 Jul 1981. USA: Eagar, Arizona.
- 2522 DG Holdom ← WA Ramoska. *Melanoplus differentialis* [Orthoptera: Acrididae]. Acc'd 8 Dec 1987. USA: Kansas.
- Entomophaga conglomerata*** (Sorokin) S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 2273 EL Cuebas-Incle (II). Adult, [Diptera: Chironomidae]. 25 Sep 1986. USA: Michigan Hollow, Danby, New York.
- Entomophaga macleodii*** Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.
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- 375 [FPMI 647] DM MacLeod. *Dissosteira carolina* [Orthoptera: Acrididae]. 20 Apr 1989. Canada: nr. river bank, Iron Bridge, Ontario.
- 376 [FPMI 625] DM MacLeod. *Dissosteira carolina* [Orthoptera: Acrididae]. 21 Jul 1977. Canada: nr. river bank, Iron Bridge, Ontario.
- 382 RS Soper. *Dissosteira carolina* [Orthoptera: Acrididae]. Aug 1979. USA: 12 Redwood Lane, Ithaca, New York.
- 496 RA Humber and BJ Martinell. *Camnula pellucida* [Orthoptera: Acrididae]. 28 Jun 1980. USA: Rodeo fairground, Alpine, Arizona.
- 499 RA Humber, BJ Martinell and RS Soper. *Dissosteira carolina* [Orthoptera: Acrididae]. 17 Jul 1980. USA: Ithaca, New York.
- 618 BJ Martinell (003(Rodeo)). *Camnula pellucida* [Orthoptera: Acrididae]. 16 Jun 1981. USA: Rodeo fairground, Alpine, Arizona.
- 619 BJ Martinell (001(FSA)). *Camnula pellucida* [Orthoptera: Acrididae]. 16 Jun 1981. USA: Forest Service plot A, Alpine, Arizona.
- 620 BJ Martinell (006(Judd B proto)). *Camnula pellucida* [Orthoptera: Acrididae]. 27 Jun 1981. USA: Judd Dam plot B, nr. Alpine, Arizona.
- 621 BJ Martinell (010(AlpineA)). *Camnula pellucida* [Orthoptera: Acrididae]. 29 Jun 1981. USA: Alpine plot A, Alpine, Arizona.
- 624 BJ Martinell (011(JuddA)). *Camnula pellucida* [Orthoptera: Acrididae]. 29 Jun 1981. USA: Judd Dam plot A, nr. Alpine, Arizona.
- 628 BJ Martinell (008). *Camnula pellucida* [Orthoptera: Acrididae]. 27 Jun 1981. USA: Alpine plot B, Alpine, Arizona.
- 629 BJ Martinell (002). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jun 1981. USA: Forest Service plot B, Alpine, Arizona.
- 765 BJ Martinell (41). *Camnula pellucida* [Orthoptera: Acrididae]. 28 Jul 1982. USA: Judd Dam, nr. Alpine, Arizona.
- 767 BJ Martinell (1). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Jepson's Ranch, Alpine, Arizona.
- 768 BJ Martinell (3). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Rodeo fairground, Alpine, Arizona.
- 769 BJ Martinell (13). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.
- 770 BJ Martinell (20). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 23 Jul 1982. Laboratory manipulation.
- 771 BJ Martinell (21). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 23 Jul 1982. Laboratory manipulation.
- 772 BJ Martinell (12). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus packardii* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.
- 773 BJ Martinell (10). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Rodeo fairground, Alpine, Arizona.
- 774 BJ Martinell (25). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.
- 775 BJ Martinell (11) and RS Soper. *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus packardii* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.
- 776 BJ Martinell (8) and RS Soper. *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.
- 777 BJ Martinell (28). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: Judd Dam, nr. Alpine, Arizona.

- 778 BJ Martinell (23). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.
- 779 BJ Martinell (22). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC flats, nr. Alpine, Arizona.
- 3077 L Postie (Reisolate 1). Reisolate of ARSEF 768 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Apr 1990. Laboratory manipulation.
- 3078 L Postie (Reisolate 2). Reisolate of ARSEF 768 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Apr 1990. Laboratory manipulation.
- 3079 L Postie (Reisolate 3). Reisolate of ARSEF 3078 passed through *Camnula pellucida* [Orthoptera: Acrididae]. 6 Aug 1990. Laboratory manipulation.
- 4948 JA Correa (I) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- 4949 JA Correa (II) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- 4950 JA Correa (III) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- 4951 JA Correa (IV) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. Rec'd 9 Aug 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon.
- 4952 JA Correa (V) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- 4953 JA Correa (VI) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.
- Entomophaga maimaiga*** Humber, Shimazu & Soper in Soper, Shimazu, Humber, Ramos & Hajek [Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains will grow as wall-less protoplasts in liquid tissue culture media or as walled hyphae on solid culture media.
- 1390 RS Soper (84626-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.
- 1391 [FPMI 963] RS Soper (84626-7-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.
- 1392 [FPMI 964] RS Soper (84626-7-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.
- 1400 [FPMI 952] RS Soper (84626-7). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.
- 1658 M Shimazu (F-446). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Ishikawa Prefecture.
- 1746 M Shimazu. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 28 Nov 1984. Laboratory manipulation.
- 2370 M Shimazu (F-541-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jul 1986. Japan: Sakuramura, Chiba Prefecture.
- 2371 M Shimazu (F-541-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jul 1986. Japan: Sakuramura, Chiba Prefecture.
- 2661 AE Hajek. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 23 Oct 1988. Laboratory manipulation.
- 2775 AE Hajek (CTIV-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 21 Jun 1989. USA: Wilton, Connecticut.
- 2779 AE Hajek. *Lymantria dispar* [Lepidoptera: Lymantriidae]. 25 Jun 1989. USA: Northampton, Massachusetts.
- 2780 AE Hajek. *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jul 1989. USA: North Conway, New Hampshire.
- 3052 AE Hajek (L1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1990. USA: Ward Pound Ridge Reservation, Westchester County, New York.
- 3053 AE Hajek (L3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1990. USA: Ward Pound Ridge Reservation, Westchester County, New York.
- 3110 AE Hajek. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Feb 1989. Laboratory manipulation.
- 3762 AE Hajek ← JC Silver. Rec'd 10 Jul 1992. Location not specified.
- 3828 AE Hajek (001-TA). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3829 AE Hajek (001-TB). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3830 AE Hajek (001-TC). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3831 AE Hajek (001-TD). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3832 AE Hajek (001-TE). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3833 AE Hajek (001-TF). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

- 3834 AE Hajek (001-TG). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3835 AE Hajek (001-TH). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] *Quercus rubra*. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.
- 3880 S Walsh (3762T23) ← ARSEF (3762). Rec'd 19 Feb 1993. Laboratory manipulation. Culture maintained for genetic variance studies.
- 3887 S Walsh (Hr 56). Rec'd 19 Feb 1993. Culture maintained for genetic variability.
- 3913 M Welton (FPMI 992). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 8 Jun 1992. Canada: Kingston, Ontario region, Adolphostown Twp, Ontario.
- 4504 AE Hajek (Ci-1) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Park, Rockbridge County, Virginia. Fungus collected from *Catocala ilia*. *L. dispar* died 5 days after conidial shower, then produced conidia. Fungus isolated from *L. dispar*.
- 4505 AE Hajek (C.i.-2) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Park, Rockbridge County, Virginia. Fungus collected from *Catocala ilia*. *L. dispar* died 5 days after conidial shower, then produced conidia. Fungus isolated from *L. dispar*.
- 4506 AE Hajek (C.i.-3) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Forest, Rockbridge County, Virginia. Fungus collected from *Catocala ilia*. *L. dispar* died 5 days after conidial shower, then produced conidia. Fungus isolated from *L. dispar*.
- 4507 AE Hajek (C.i.-4) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Forest, Rockbridge County, Virginia. Fungus collected from *Catocala ilia*. *L. dispar* died 5 days after conidial shower, then produced conidia. Fungus isolated from *L. dispar*.
- 4508 AE Hajek (I.S.-1). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.
- 4509 AE Hajek (I.S.-2). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.
- 4510 AE Hajek (I.A.-3). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.
- 4545 AE Hajek (B-20MD#2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 30 May 1994. Isolated through *Lymantria dispar* larvae.
- 4549 AE Hajek (I.S. 4) or (94 NY1-4A). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.
- 4550 AE Hajek (I.S. 5). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.
- 4551 AE Hajek (I.S. 6). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.
- 4552 AE Hajek (VA - A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Union Springs, Rockingham County, Virginia.
- 4553 AE Hajek (VA - C). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Little River, Rockingham County, Virginia.
- 4554 AE Hajek (VA - E). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Big Mary's, Rockingham County, Virginia.
- 4555 AE Hajek (VA - F). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Wiggins Springs, Rockingham County, Virginia.
- 5377 AE Hajek (96 MD A2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5378 AE Hajek (96 MD A2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5379 AE Hajek (96 MD B2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5380 AE Hajek (96 MD B2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5381 AE Hajek (96 MD B2-3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5382 AE Hajek (96 MD B2-4). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5383 AE Hajek (96 MD B2-5). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5384 AE Hajek (96 MD B2-6). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5385 AE Hajek (96 MD C2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5386 AE Hajek (96 MD D2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5387 AE Hajek (96 MD D2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

- 5388 AE Hajek (96 MD E2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5389 AE Hajek (96 MD E2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5390 AE Hajek (96 MD F2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.
- 5391 AE Hajek (96 NY B2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5392 AE Hajek (96 NY C2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5393 AE Hajek (96 NY C3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5394 AE Hajek (96 NY D1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5395 AE Hajek (96 NY D2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5396 AE Hajek (96 NY D3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5397 AE Hajek (96 NY E1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5398 AE Hajek (96 NY E2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5399 AE Hajek (96 NY E3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5400 AE Hajek (96 NY F1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5401 AE Hajek (96 NY F3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.
- 5563 AE Hajek (96MA1-1A). Rec'd 3 Nov 1997.
- 5564 AE Hajek (96MA1-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 9 May 1996. USA: Quabbin Reservoir, Franklin County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 5565 AE Hajek (92NJ1-1A). Rec'd 3 Nov 1997.
- 5566 AE Hajek (94VA2-2A). Rec'd 3 Nov 1997.
- 5567 AE Hajek (94VA2-2B). Rec'd 3 Nov 1997.
- 5568 AE Hajek (97VA10-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1997. USA: Elliot Spring Run, Butler field plot 1, George Washington National Forest, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 5569 AE Hajek (96VA9-1A). Rec'd 10 Nov 1997.
- 5570 AE Hajek (96VA9-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Dec 1996. USA: Archer Run, Deerfield Ranger District, Butler field plot 2, George Washington National Forest, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.
- 5571 AE Hajek (97VA10-1B). Rec'd 10 Nov 1997.
- 5572 AE Hajek (92NJ1-1B). Rec'd 13 Nov 1997.
- 5711 AE Hajek (96MA1-1C). Rec'd 13 May 1998.
- 6004 AE Hajek (98 MA2-8A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6005 AE Hajek (98 MA2-14A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6006 AE Hajek (98MI1-2A). Rec'd 21 Jan 1999.
- 6007 AE Hajek (98MI1-2B). Rec'd 21 Jan 1999.
- 6051 AE Hajek (98MA2-4A). Rec'd 19 Feb 1999.
- 6052 AE Hajek (98MA2-4B). Rec'd 19 Feb 1999.
- 6053 AE Hajek (98MI1-1A). Rec'd 19 Feb 1999.
- 6054 AE Hajek (98MI1-1B). Rec'd 19 Feb 1999.
- 6105 AE Hajek (98MA2-6B). Rec'd 31 Mar 1999.
- 6106 AE Hajek (98MA2-8B). Rec'd 31 Mar 1999.
- 6161 AE Hajek (96 MD B2-4). Rec'd 12 May 1999.
- 6162 AE Hajek (98 JP2-9A). Rec'd 12 May 1999.
- 6163 AE Hajek (98 JP2-5B). Rec'd 12 May 1999.
- 6168 AE Hajek (94 WV1-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: Hawes Run, Pendleton County, West Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6169 AE Hajek (94 VA8-1A) or (VA-IVY). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: IVY Branch, Amherst County, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

- 6170 AE Hajek (99 WV2-2C). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Malacosoma disstria* exposed to sporulating cadaver.
- 6171 AE Hajek (98 JP3-5A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6172 AE Hajek (98 JP3-5B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6173 AE Hajek (99 WV2-2A). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Lymantria dispar* after passage through *Malacosoma disstria* exposed to sporulating cadaver of *M. americanum*.
- 6174 AE Hajek (99 WV2-2B). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Lymantria dispar* after passage through *Malacosoma disstria* exposed to sporulating cadaver of *M. americanum*.
- 6212 AE Hajek (98 JP2-5A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6218 AE Hajek (94 VA4-3A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: Mines Run, George Washington National Forest, Rockingham County, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6223 AE Hajek (98 JP2-22B). Rec'd 25 Aug 1999.
- 6224 AE Hajek (98 JP2-10B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6253 AE Hajek (98 JP2-4A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6254 AE Hajek (98 JP2-10A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6255 AE Hajek (98 JP2-14A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6256 AE Hajek (98 JP2-14B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6257 AE Hajek (98 JP2-22A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6258 AE Hajek (98 JP3-8A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6264 AE Hajek (98 JP2-22B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6265 AE Hajek (98 JP3-8B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6266 AE Hajek (98 JP3-9A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6267 AE Hajek (98 JP2-21A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6268 AE Hajek (98 JP3-9B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6269 AE Hajek (98 MA2-2A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6270 AE Hajek (98 MA2-2B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6271 AE Hajek (98 MA2-6A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

- 6272 AE Hajek (98 MA2-14B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6523 AE Hajek (99 MI9-1A). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1999. USA: Site #9, Oceana County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6524 AE Hajek (99 MI9-2A). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1999. USA: Site #9, Oceana County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6625 AE Hajek (00 NY 1-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 2000. USA: Yellow Barn State Forest, Dryden, New York. Host infected in laboratory upon exposure to field-collected sporulating cadaver of *L. dispar*.
- 6626 AE Hajek (00 MI 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6627 AE Hajek (00 MI 17-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6628 AE Hajek (00 MI 19-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 19, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6629 AE Hajek (00 MI 24-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 24, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6630 AE Hajek (00 MI 27-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 27, Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6652 AE Hajek (00 MI 2-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 2, Grand Traverse County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6653 AE Hajek (00 MI 4-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 4, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6654 AE Hajek (00 MI 18-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 18, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6655 AE Hajek (00 MI 28-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6656 AE Hajek (00 MI 29-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6657 AE Hajek (00 MI 33-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6663 AE Hajek (00 MI 2-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 2, Grand Traverse County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6664 AE Hajek (00 MI 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6665 AE Hajek (00 MI 3-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6666 AE Hajek (00 MI 12-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6667 AE Hajek (00 MI 12-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6668 AE Hajek (00 MI 12-2-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6724 AE Hajek (00 MI 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

- 6725 AE Hajek (00 MI 19-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2001. USA: Stand 19, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6726 AE Hajek (00 MI 24-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 2003. USA: Stand 24, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6727 AE Hajek (00 MI 27-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 27, Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6728 AE Hajek (00 MI 17-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 6729 AE Hajek (00 MI 17-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7101 AE Hajek (99 MI 5-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Mason County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7102 AE Hajek (99 MI 27). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7103 AE Hajek (00 MI 29-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7104 AE Hajek (01 JP 4-11-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7105 AE Hajek (01 JP 4-12-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7106 AE Hajek (99 MI 28-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7107 AE Hajek (00 MI 28-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7108 AE Hajek (00 MI 28-1-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7109 AE Hajek (00 MI 29-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7110 AE Hajek (00 MI 33-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7111 AE Hajek (00 MI 33-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7112 AE Hajek (01 JP 4-11-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7113 AE Hajek (01 JP 4-11-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7114 AE Hajek (01 JP 4-12-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7115 AE Hajek (99 MI 21). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7116 AE Hajek (01 JP 4-12-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7120 AE Hajek (03 PA 1-1-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzger Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7121 AE Hajek (03 PA 1-1-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzger Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

- 7122 AE Hajek (03 PA 1-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzger Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7123 AE Hajek (03 MA 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7124 AE Hajek (03 MA 3-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7125 AE Hajek (03 MA 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7126 AE Hajek (03 MA 3-2-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7127 AE Hajek (03 RU 1-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 8 Jul 1999. Russian Federation: oak stand, Khabarovsk. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7131 AE Hajek (03 PA 2-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 54, north of Danville, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7132 AE Hajek (03 PA 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Klein Road, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7133 AE Hajek (03 PA 4-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Comfort Road, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7134 AE Hajek (03 PA 5-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Cold Run Road, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7135 AE Hajek (03 PA 6-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 890, north of Trevorton, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7136 AE Hajek (03 PA 7-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Southampton Twp near town of Chaneyville, Bedford County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7137 AE Hajek (03 MA 3-2-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7138 AE Hajek (03 MA 3-2-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7139 AE Hajek (02 CN 1-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS5, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7183 AE Hajek (02 CN 1-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS3, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7184 AE Hajek (02 CN 1-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS3, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7185 AE Hajek (03 JP 5-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7186 AE Hajek (03 JP 5-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7187 AE Hajek (03 JP 5-1-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7188 AE Hajek (03 JP 5-1-6). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7189 AE Hajek (03 JP 5-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

- 7190 AE Hajek (03 PA 1-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzger Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7352 AE Hajek (03 PA 5-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Cold Run Road, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.
- 7353 AE Hajek (03 PA 6-1-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 890, north of Trevorton, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

Entomophaga praxibuli Humber, Milner, & Soper (sp. nov., unpublished)

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

- 840 RS Soper. *Praxibulus* sp. [Orthoptera: Acrididae]. 1983. Australia: Wanwibinda, New South Wales.
- 2721 ME Ramos. Reisolate of ARSEF 840 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Spring 1989. Laboratory manipulation.
- 2963 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.
- 2964 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.
- 2965 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.
- 2966 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.
- 2967 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.
- 2968 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.
- 2969 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.

- 2970 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.
- 3058 ME Ramos. *Empoasca vitis* [Hemiptera: Cicadellidae]. 10 Aug 1990. Laboratory manipulation. Reisolate of ARSEF 2964.
- 3059 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3060 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3061 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3068 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3069 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.
- 3356 ME Ramos (Cape). Reisolate of ARSEF 3059 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.
- 3357 ME Ramos (Mesa). Reisolate of ARSEF 3059 passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.
- 3358 ME Ramos (Mebi). Reisolate of ARSEF 3059 passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.

Entomophthora chromaphidis Burger & Swain

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. This taxon has been segregated from *Entomophthora planchoniana* Cornu (see Humber & Feng, 1991, Mycotaxon 51:497-504). Strains should be incubated at temperatures $\leq 20^{\circ}\text{C}$.

- 1860 DG Holdom (UQE-2-2). *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. Jun 1981. Australia: Lockyer Valley, Queensland.
- 1862 DG Holdom (UQE-15). *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. Jan 1983. Australia: Lockyer Valley, Queensland.
- 1863 DG Holdom (UQE-21). *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. Jan 1983. Australia: Lockyer Valley, Queensland.

Entomophthora culicis (Braun) Fresenius

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 387 S Keller (55). [Diptera: Nematocera]. Rec'd 3 Oct 1979. Switzerland: Zürich.
- 5811 J Eilenberg (KVL 98-4). [Diptera: Chironomidae]. Aug 1997. Denmark: KVL garden, Copenhagen, Frederiksberg, Zealand.

Entomophthora ferdinandii S Keller ex S Keller
[Entomophthoromycetes : Entomophthorales]

6918 A Bruun Jensen (KVL 99-92). *Coenosia tigrina* [Diptera: Muscidae]. 29 Jul 1999. Denmark: Ørslev, Zealand.

Entomophthora muscae (Cohn) Fresenius
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. This taxon is a partially resolved species complex (see Keller, 1984, Mitt. Schweiz. Entomol. Ges. 57: 131-132). Most strains are provided only as vegetative protoplasts in liquid tissue culture medium.

- 392 [ARSEF 466 (lost)] S Keller (39). [Diptera]. Rec'd 18 Oct 1979. Switzerland.
- 454 RA Humber ← JP Kramer. *Musca domestica* [Diptera: Muscidae]. Mar 1980. USA: laboratory colony, Ithaca, New York.
- 556 RA Humber. *Musca domestica* [Diptera: Muscidae]. 11 Mar 1981. USA: JP Kramer's laboratory colony, Cornell University, Ithaca, New York.
- 557 BJ Martinell. *Musca domestica* [Diptera: Muscidae]. 10 Mar 1981. USA: Boyce Thompson Institute, Ithaca, New York.
- 651 BJ Martinell ← DE McCabe. *Pollenia rudis* [Diptera: Calliphoridae]. 5 Nov 1981. USA: Keuka Park, New York.
- 707 RA Humber. *Delia platura* [Diptera: Anthomyiidae]. 20 Feb 1982. United Kingdom: N Wilding's greenhouse colony, Rothamsted Experimental Station, Hertfordshire, England.
- 803 JD Vandenberg. *Musca domestica* [Diptera: Muscidae]. Acc'd 7 Mar 1988. USA: 119 Middaugh Rd., Brooktondale, New York.
- 826 DC Steinkraus. [Diptera: Syrphidae]. 1982. USA: Ithaca, New York.
- 2014 RA Humber. *Musca domestica* [Diptera: Muscidae]. 10 Mar 1981. USA: JP Kramer's laboratory colony, Cornell University, Ithaca, New York.
- 2087 TJ Poprawski (0195). Adult, [Diptera: Anthomyiidae] in rapeseed field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.
- 2088 TJ Poprawski (0196). Adult, [Diptera: Anthomyiidae] in rapeseed field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.
- 2089 TJ Poprawski (0197). Adult, *Delia* sp. [Diptera: Anthomyiidae] in sunflower field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.
- 2263 TJ Poprawski (8617). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 16 Jun 1986. France: Béhoust, Yvelines.
- 2264 TJ Poprawski (8619). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 16 Jun 1986. France: Béhoust, Yvelines.
- 2265 TJ Poprawski (8622). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 19 Jun 1986. France: Béhoust, Yvelines.

- 2266 TJ Poprawski (8624). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 19 Jun 1986. France: Béhoust, Yvelines.
- 2317 TJ Poprawski (8640). Adult, *Delia* sp. [Diptera: Anthomyiidae] on sugar beet. 14 Oct 1986. France: Béhoust, Yvelines.
- 2542 J Eilenberg (KVL 3) ← U Olesen. *Musca domestica* [Diptera: Muscidae]. Sep 1986. Denmark: Ribe, Filskov, Jutland.
- 2665 J Eilenberg (KVL 46). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.
- 2668 J Eilenberg (KVL 16). *Delia radicum* [Diptera: Anthomyiidae]. 25 Jul 1986. Denmark: Svanholm, Malmöhus.
- 2670 J Eilenberg (KVL 45). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.
- 2673 J Eilenberg (KVL 50). [Diptera: Syrphidae]. 2 Aug 1988. Denmark: Roskilde, Zealand.
- 2674 J Eilenberg (KVL 51). *Delia radicum* [Diptera: Anthomyiidae]. 28 Jul 1988. Denmark: Roskilde, Zealand.
- 2675 J Eilenberg (KVL 44). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.
- 2678 J Eilenberg (KVL 17). [Diptera: Anthomyiidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 3074 RI Carruthers and SB Krasnoff. Adult, *Delia antiqua* [Diptera: Anthomyiidae]. 9 Oct 1990. USA: Prattsburg, New York.
- 5952 A Bruun Jensen (KVL 98-10). Adult, *Musca domestica* [Diptera: Muscidae]. 1 Sep 1998. Denmark: Dyssekilde, Hundested, Zealand.
- 5953 A Bruun Jensen (KVL 98-12). Adult, *Musca domestica* [Diptera: Muscidae]. 1 Sep 1998. Denmark: Dyssekilde, Hundested, Zealand.
- 5954 A Bruun Jensen (KVL 98-18). Adult, [Diptera: Muscidae]. 16 Aug 1998. Denmark: Amager, Zealand.
- 6121 A Bruun Jensen (KVL 99-1). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6122 A Bruun Jensen (KVL 99-2). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6123 A Bruun Jensen (KVL 99-3). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6124 A Bruun Jensen (KVL 99-5). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6125 A Bruun Jensen (KVL 99-6). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.

- 6126 A Bruun Jensen (KVL 99-7). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6127 A Bruun Jensen (KVL 99-8). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6128 A Bruun Jensen (KVL 99-9). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6129 A Bruun Jensen (KVL 99-10). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6130 A Bruun Jensen (KVL 99-11). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6131 A Bruun Jensen (KVL 99-12). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.
- 6132 A Bruun Jensen (KVL 99-13). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6133 A Bruun Jensen (KVL 99-14). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6134 A Bruun Jensen (KVL 99-15). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6135 A Bruun Jensen (KVL 99-16). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6136 A Bruun Jensen (KVL 99-17). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.
- 6140 A Bruun Jensen (KVL 99-22). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.
- 6141 A Bruun Jensen (KVL 99-23). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.
- 6164 A Bruun Jensen (KVL 99-4). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.
- 6165 A Bruun Jensen (KVL 99-21). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.
- 6274 A Bruun Jensen ← I Klinge (NCRI 1-99). Female, *Delia radicum* [Diptera: Anthomyiidae]. Aug 1999. Norway: Ski, Akershus.
- 6701 A Bruun Jensen (KVL 00-92). [Diptera]. 29 Jun 2000. Denmark: Hundested, Zealand.
- 6706 A Bruun Jensen (KVL 99-75). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hundested, Zealand.
- 6707 A Bruun Jensen (KVL 99-93). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegstrup, Slangerup, Zealand.
- 6708 A Bruun Jensen (KVL 99-138). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegstrup, Slangerup, Zealand.
- 6709 A Bruun Jensen (KVL 99-139). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Sengeløse, Zealand.
- 6710 A Bruun Jensen (KVL 01-21). *Delia radicum* [Diptera: Anthomyiidae]. 29 Jun 2000. Denmark: Hundested, Zealand.
- 6711 A Bruun Jensen (KVL 01-24). *Delia radicum* [Diptera: Anthomyiidae]. 23 Jul 2000. Denmark: Ørslev, Zealand.
- 6712 A Bruun Jensen (KVL 01-37). *Botanophila fugax* [Diptera: Anthomyiidae]. 30 Aug 2000. Denmark: Hegstrup, Slangerup, Zealand.
- 6713 A Bruun Jensen (KVL 99-80). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6714 A Bruun Jensen (KVL 99-72). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6715 A Bruun Jensen (KVL 99-74). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6716 A Bruun Jensen (KVL 99-95). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6717 A Bruun Jensen (KVL 99-84). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegstrup, Slangerup, Zealand.
- 6811 A Bruun Jensen (KVL 99-85). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegstrup, Slangerup, Zealand.
- 6812 A Bruun Jensen (KVL 99-74). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.
- 6813 A Bruun Jensen (KVL 99-110). *Musca domestica* [Diptera: Muscidae]. 7 Oct 1999. Denmark: Knardrup, Zealand.
- 6814 A Bruun Jensen (KVL 99-109). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegstrup, Slangerup, Zealand.
- 6815 A Bruun Jensen (KVL 99-102). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Sengeløse, Zealand.
- 6818 A Bruun Jensen (KVL 01-39). *Delia radicum* [Diptera: Anthomyiidae]. 18 Jul 2000. Denmark: Sengeløse, Zealand.
- 6821 A Bruun Jensen (KVL 01-22). *Delia radicum* [Diptera: Anthomyiidae]. 18 Jul 2000. Denmark: Sengeløse, Zealand.
- 7371 AE Hajek (04 NY 1-1-1). [Diptera]. 2 Jun 2004. USA: Yellow Barn State Forest, Dryden, New York.
- 12524 HH de Fine Licht (200913-01). Rec'd 20 Feb 2014.

Entomophthora planchoniana Cornu

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 6251 F Freimoser (ETH 16b). *Ovatus crataegarius* [Hemiptera: Aphididae] on *Mentha* sp. (Lamiaceae). Rec'd 17 Aug 1999. Denmark: in garden, Hundested, Zealand.
- 6252 F Freimoser (ETH 16c). *Ovatus crataegarius* [Hemiptera: Aphididae] on *Mentha* sp. (Lamiaceae). Rec'd 17 Aug 1999. Denmark: in garden, Hundested, Zealand.

Entomophthora scatophagae Giard

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 6704 A Bruun Jensen (KVL 00-60). *Scatophaga stercoraria* [Diptera: Scatophagidae]. 3 May 2000. Denmark: Tuse Næs, Zealand.
- 6705 A Bruun Jensen (KVL 00-61). *Scatophaga stercoraria* [Diptera: Scatophagidae]. 3 May 2000. Denmark: Tuse Næs, Zealand.

Entomophthora schizophorae S Keller & Wilding in

S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 2540 J Eilenberg (KVL 1). *Psila rosae* [Diptera: Psilidae]. Aug 1984. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2541 J Eilenberg (KVL 2). *Psila rosae* [Diptera: Psilidae]. Sep 1985. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2667 J Eilenberg (KVL 13). *Psila rosae* [Diptera: Psilidae]. 23 Jun 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 5348 DW Watson. *Musca domestica* [Diptera: Muscidae]. Aug 1987. USA: Seward, Nebraska.
- 6137 A Bruun Jensen (KVL 99-18). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.
- 6138 A Bruun Jensen (KVL 99-19). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.
- 6139 A Bruun Jensen (KVL 99-20). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.
- 6142 A Bruun Jensen (KVL 99-24). Adult, *Musca domestica* [Diptera: Muscidae]. 10 Oct 1998. Denmark: Annisse, Zealand.
- 6143 A Bruun Jensen (KVL 99-25). Adult, *Musca domestica* [Diptera: Muscidae]. 10 Oct 1998. Denmark: Annisse, Zealand.
- 6703 A Bruun Jensen (KVL 01-38). *Pollenia* sp. [Diptera: Calliphoridae]. 2 Oct 2000. Denmark: Hundested, Zealand.

- 6816 A Bruun Jensen (KVL 00-94). *Pollenia* sp. [Diptera: Calliphoridae]. 2 Oct 2000. Denmark: Hundested, Zealand.
- 6817 A Bruun Jensen (KVL 00-93). *Pollenia* sp. [Diptera: Calliphoridae]. 4 Oct 2000. Denmark: Hundested, Zealand.
- 12523 HH de Fine Licht (260813-01). Rec'd 20 Feb 2014.

Entomophthora syrphi Giard

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 5955 A Bruun Jensen (KVL 98-19). Adult, *Triglyphus primus* [Diptera: Syrphidae]. 21 Aug 1998. Denmark: Zealand.
- 6702 A Bruun Jensen (KVL 01-36). *Platycheirus clypeatus* [Diptera: Syrphidae]. 9 Aug 2000. Denmark: Hegnstrup, Slangerup, Zealand.
- 6819 A Bruun Jensen (KVL 01-35). *Melanostoma scalare* [Diptera: Syrphidae]. Summer 2000. Denmark: Kalø, Jutland.
- 6820 A Bruun Jensen (KVL 01-34). *Melanostoma scalare* [Diptera: Syrphidae]. Summer 2000. Denmark: Kalø, Jutland.

Entomophthora thripidum Samson, Ramakers &

Oswald
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 5868 A Grundschober (ETH 601). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.
- 6517 F Freimoser (ETH 602). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.
- 6518 F Freimoser (ETH 603). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.
- 6519 F Freimoser (ETH 604). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.
- 6520 F Freimoser (ETH 605). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.
- 6521 F Freimoser (ETH 607). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig. Re-isolate of ETH 603 [=ARSEF 6518] after passage through *Thrips tabaci*.

Fungal Cultures

- 6522 F Freimoser (ETH 608). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig. Re-isolate of ETH 603 [=ARSEF 6518] after passage through *Thrips tabaci*.
- 6525 F Freimoser (ETH 606). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

Erynia sp.

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains included here were not sufficiently identifiable to the species and have not been reidentified since publication of the entomophthoralean taxonomy used here (see Humber, 1989, Mycotaxon 34:441-460). In this classification these strains would be reassigned to *Pandora* Humber, *Furia* (Batko) Humber, *Erynia* (Nowakowski ex Batko) Remaudière & Hennebert, or *Zoophthora* Batko.

- 876 [CNPFAF 83-04-15-2B; CP 106] DW Roberts. [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.
- 880 [CNPFAF 83-04-15-2A; CP 110] BP Magalhães and DW Roberts. Adult, [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.
- 884 [CNPFAF 83-04-15-2C; CP 114] BP Magalhães and DW Roberts. Adult, [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.
- 983 J Aoki (Ent. 18) ← H Tomiyama. *Plutella xylostella* [Lepidoptera: Plutellidae]. Nov 1976. Japan: Fuchu, Tokyo Prefecture.
- 1052 J Aoki (Ent. 42) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1143 [CSIRO EM694] M Shimazu (F-344). *Eana argentana* [Lepidoptera: Tortricidae]. Acc'd 4 Apr 1984. Japan: Hokkaido Prefecture.
- 1241 [CNPFAF 84-04-13-1C; CP 141] DW Roberts. Larva, [Lepidoptera]. 13 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1266 J Aoki (Ent. 34) ← M Shimazu. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.
- 1267 J Aoki (Ent. 37) ← M Shimazu. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.
- 1338 S Balazy (1559). [Diptera: Brachycera] attached to the leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.
- 1666 JV Maddox, MR McGuire and MJ Morris. *The-rioaphis maculata* [Hemiptera: Aphididae] in clover field. May 1984. USA: Illinois.
- 2027 JA Harper. 4th instar larva, *Pseudoplusia includens* [Lepidoptera: Noctuidae]. Acc'd 28 Oct 1985. USA: Auburn, Alabama.
- 2097 DG Holdom (130286). ?*Hydrellia* sp. [Diptera: Ephydriidae]. 13 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2279 IL Sivcev (20/86). [Hemiptera: Aphididae] on *Cichorium intybus*. 10 Jun 1986. Yugoslavia: Zemun, Belgrade.
- 2292 IL Sivcev (42/86). *Macrosiphum euphorbiae* [Hemiptera: Aphididae] on cabbage. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.
- 2294 IL Sivcev (55/86). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.
- 2495 J Eilenberg (KVL 14) ← T Møhl. [Diptera]. 30 Jun 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2507 J Eilenberg (KVL 39) and N Wilding. [Diptera: Chironomidae]. 31 Aug 1987. United Kingdom: Rothamsted Experimental Station, Hertfordshire, England.
- 2525 J Eilenberg (KVL 34). *Rhagozycha fulva* [Coleoptera: Cantharidae]. Aug 1987. Denmark: Holmegaards Mose, Zealand.
- 2536 J Eilenberg (KVL 18). *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2537 J Eilenberg (KVL 23). *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2538 J Eilenberg (KVL 20). *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2539 J Eilenberg (KVL 22). *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2553 [ARSEF 2662 (deaccessioned)] J Eilenberg (KVL 19) and J Martin. *Rhagozycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zealand.
- 2663 J Eilenberg (KVL 33) ← J Martin. *Rhagozycha fulva* [Coleoptera: Cantharidae]. Aug 1987. Denmark: Holmegaards Mose, Zealand.
- 2664 J Eilenberg (KVL 40). [Coleoptera: Cantharidae]. Jun 1987. Denmark: Brogaard, Lammfjorden.
- 5352 KT Hodge. Adult, [Coleoptera: Cantharidae] Willow. 18 Jun 1996. USA: German Cross Road, Dryden, New York.
- 9537 [SRCAMB VL-1659] V Likhovidov. [Trichoptera]. 18 Sep 2004. Russian Federation: Mostovsky District, Krasnodarsky Krai. Field Collection Number F-768.

Erynia aquaticica (Anderson & Ringo in Anderson & Anagnostakis) Humber
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Vegetative growth of this species is very sparse and slow. Strains should be in liquid tissue culture media incubated at 0-4°C.

- 750 RA Humber and RG Lawlor. Adult, *Aedes* sp. [Diptera: Culicidae]. Acc'd 10 Dec 1987. USA: Cambridge, New York.

- 764 RA Humber and RG Lawlor. Pupa, [Diptera: Culicidae]. Jun 1982. USA: Memorial Rock, Sapsucker Woods, Ithaca, New York.
- Erynia conica*** (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 1439 N Hywel-Jones (H84178-2). *Simulium* sp. [Diptera: Simuliidae]. Jun 1984. United Kingdom: Fingle Bridge (River Teign), Devon, England.
- 1752 S Keller (527). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.
- 1753 S Keller (528). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.
- 2274 EL Cuebas-Incle (III). Adult, [Diptera: Chironomidae]. 2 Oct 1985. USA: Six Mile Creek, Brooktondale, New York.
- 2275 EL Cuebas-Incle (IV). Gravid female, [Diptera: Simuliidae]. 2 Oct 1985. USA: Six Mile Creek, Brooktondale, New York.
- 2405 RI Samuels. Adult, [Diptera: Chironomidae]. Sep 1986. United Kingdom: Avon, England.
- Erynia curvispora*** (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 1754 S Keller (529). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.
- 3229 M Nadeau (222). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- 3244 M Nadeau (241). Adult, [Trichoptera]. 20 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.
- Erynia ovispora*** (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 399 S Keller (100). [Diptera: Psychodidae]. 12 Jun 1978. Switzerland.
- 400 S Keller (102). [Diptera: Psychodidae]. 12 Jun 1978. Switzerland.
- Erynia rhizospora*** (Thaxter) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 219 LS Bauer. Adult, [Trichoptera]. Jun 1978. USA: Dover-Foxcroft, Maine.
- 801 EL Cuebas-Incle. Adult, [Trichoptera]. 24 Jul 1982. USA: outlet, Dryden Lake, Dryden, New York.
- 1440 RA Humber. Adult, [Trichoptera]. 2 Jul 1984. United Kingdom: Castle Drago (River Teign), Devon, England.
- 1441 RA Humber. Adult, [Trichoptera]. 2 Jul 1984. United Kingdom: Castle Drago (River Teign), Devon, England.
- 1442 E Descals (C-1756-4) and RA Humber. Adult, [Trichoptera]. 27 Jun 1984. Wales: polluted stream, Llanfair Caereinion, Powys.
- 1443 RA Humber. Adult, [Trichoptera]. 21 Jun 1984. United Kingdom: Steps Bridge, Devon, England.
- 2276 EL Cuebas-Incle (V). Adult, [Trichoptera]. 26 Jul 1985. USA: Michigan Hollow, Danby, New York.
- 2407 RI Samuels ← TB Clark and TC Reeves. Adult, [Trichoptera: Hydropsychidae]. Aug 1986. United Kingdom: Fingle Bridge (River Teign), Devon, England.
- Erynia sciarae*** (Olive) Ben-Ze'ev & RG Kenneth
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 1870 N Wilding (80) ← G Remaudière. Adult, [Diptera: Mycetophilidae] on soil. 30 Sep 1976. Location not specified.
- Erynia sepulchralis*** (Thaxt.) Remaud. & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 12250 AE Hajek. Adult, [Diptera: Tipulidae]. 3 Jul 2013. USA: Yellow Barn State Forest, Dryden, New York.
- Eryniopsis caroliniana*** (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 640 [ARSEF 213 (deaccessioned)] S Keller (69). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.
- 641 [ARSEF 424 (lost)] S Keller (41). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.
- 642 [ARSEF 212 (deaccessioned)] S Keller (65). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.
- Eryniopsis ptychopterae*** S Keller & Eilenberg
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 2535 J Eilenberg (KVL 5). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 25 Aug 1986. Denmark: Kattinge Vig, Roskilde.
- 2671 J Eilenberg (KVL 48). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 9 Aug 1988. Denmark: Kattinge Vig, Roskilde.
- Escovopsis aspergilloides*** Seifert, Samson & Chapela
[Sordariomycetes: Hypocreales]
Hypocreaceae
-
- 5575 CR Currie (97T27). *Trachymyrmex* sp. [Hymenoptera: Formicidae] fungus growing on ant's fungus

garden. 14 May 1997. Panama: Soberania National Park.

***Escovopsis* sp.**

[Sordariomycetes: Hypocreales]
Hypocreaceae

5574 CR Currie (97AC1). *Acromyrmex octospinosus* [Hymenoptera: Formicidae] fungus growing on ant's fungus garden. 28 May 1997. Panama: Soberania National Park.

***Escovopsis weberi* Muchovej & Della Lucia**

[Sordariomycetes: Hypocreales]
Hypocreaceae

5576 CR Currie (970518-4). *Atta colombica* [Hymenoptera: Formicidae] fungus growing on ant's fungus garden. 18 May 1997. Panama: near Fort Sherman.

Eurotiomycetes, genus undetermined

[Eurotiomycetes]

9360 [ERL 1646] S Gouli (HWA-G-1) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

9361 [ERL 1650] S Gouli (HWA-G-6) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

***Evlachovaea* sp.**

[Sordariomycetes: Hypocreales]
Cordycipitaceae

959 [CNPAF 83-01-06B (CB 15); CP 105] RA Daoust ← SM de Carvalho. *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 6 Jan 1983. Brazil: Londrina, Paraná.

1017 HS Whitney (R599). Adult, *Dendroctonus rufipennis* [Coleoptera: Scolytidae]. Jun 1975. Canada: nr. Hixon, British Columbia.

1576 KV Deseö (93). Larva, *Monophadnus elongatulus* [Hymenoptera: Tenthredinidae]. Feb 1984. Italy: Bologna, Emilia-Romagna.

2297 DA Rodriguez Sierra (103 Bb). Larva, *Brassolis* sp. [Lepidoptera: Brassolidae]. Oct 1985. Colombia: Cumaral, Meta.

2545 SR Sánchez Peña. [Hymenoptera: Sphecidae]. 22 Jun 1987. Mexico: San Pedro (Chipinque), Nuevo León.

2613 SB Alves (715). *Brassolis sophorea* [Lepidoptera: Brassolidae]. Apr 1988. Brazil: Moju, Pará.

2614 SB Alves (716). *Anteotricha* sp. [Lepidoptera: Oecophoridae]. Apr 1988. Brazil: Moju, Pará.

2615 SB Alves (717). *Anteotricha* sp. [Lepidoptera: Oecophoridae]. Apr 1988. Brazil: Moju, Pará.

2620 SB Alves (758). *Brassolis sophorea* [Lepidoptera: Brassolidae]. Jun 1988. Brazil: Aracajú, Sergipe.

5703 JL Hatting (1). *Sitotroga cerealella* [Lepidoptera: Gelechiidae]. Sep 1997. South Africa: Bethlehem, Free State.

6146 A Moino Junior. Larva, *Chiromyza* sp. [Diptera: Stratiomyidae]. Feb 1999. Brazil: Lavras, Minas Gerais.

6635 SB Alves (ESALQ 1225). *Leptopharsa heveae* [Hemiptera: Tingidae]. 28 Sep 1998. Brazil: Itiquira, Mato Grosso.

6638 SB Alves (ESALQ 1228). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 25 Sep 2000. Brazil: Manaus, Amazonas.

6639 SB Alves (ESALQ 1229). *Leptopharsa heveae* [Hemiptera: Tingidae]. 29 Sep 1998. Brazil: Itiquira, Mato Grosso.

6640 SB Alves (ESALQ 1230). *Leptopharsa heveae* [Hemiptera: Tingidae]. 29 Sep 1998. Brazil: Itiquira, Mato Grosso.

6641 SB Alves (ESALQ 1235). *Leptopharsa heveae* [Hemiptera: Tingidae]. 11 Nov 1998. Brazil: Brasília, Distrito Federal.

7372 AE Hajek. Larva, *Plecia* sp. [Diptera: Bibionidae] from soil beneath *Eremochloa* sp., centipede grass. 4 Mar 2004. USA: Sod farm, Pearl River County, Mississippi.

7403 G Zimmermann (E 1622/01) ← U Heimbach. Larva, *Agriotes* sp. [Coleoptera: Elateridae]. Oct 2001. Germany: Neustadt an der Weinstrasse, Rheinhessen-Pfalz.

7543 BJ Cole (C6). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 969. Summer 2004. USA: Mesa County, Colorado.

7551 [CIAT 301] A Gaigl. *Phyllophaga menetriesi* [Coleoptera: Scarabaeidae]. 14 Jan 2004. Colombia: Caldon, Cauca. 1500 m elevation.

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7601 [SRCAMB VL-768] V Likhovidov. Pupa, [Lepidoptera] Isolated from synnema. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-227.

7602 [SRCAMB VL-922] V Likhovidov. [Dermaptera]. 22 Aug 2002. Russian Federation: Astrakhanskiy Biosphere Reserve, Astrakhan Oblast. Field Collection Number F-229.

7990 Acc'd 27 Apr 2006.

7991 Acc'd 27 Apr 2006.

7992 Acc'd 27 Apr 2006.

7993 Acc'd 28 Apr 2006.

8439 Z Demirbag (KTU-33). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 23 Jul 2006. Turkey: Kesap, Giresun.

- 8441 Z Demirbag (KTU-35). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 21 Mar 2007. Turkey: Ikizce, Ordu.
- 8442 Z Demirbag (KTU-36). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 21 Mar 2007. Turkey: Ikizce, Ordu.
- 8449 Z Demirbag (KTU-43). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Gurgentepe, Ordu.
- 8469 WC Luz (eco 39). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8474 WC Luz (eco 74). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8479 WC Luz (eco 108). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8485 WC Luz (IP 67). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8486 WC Luz (IP 126). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8487 WC Luz (IP 141). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8488 WC Luz (IP 142). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8489 WC Luz (IP 148). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8490 WC Luz (IP 154). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8491 WC Luz (IP 218). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 9164 [ERL 757] M Brownbridge (CA-741) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9165 [ERL 759] M Brownbridge (CA-773) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9166 [ERL 760] M Brownbridge (CA-797) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9167 [ERL 761] M Brownbridge (CA-798) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9168 [ERL 762] M Brownbridge (CA-774) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9169 [ERL 763] M Brownbridge (CA-799) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9170 [ERL 764] M Brownbridge (CA-743) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9171 [ERL 765] M Brownbridge (CA-744) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9172 [ERL 766] M Brownbridge (CA-775) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9173 [ERL 767] M Brownbridge (CA-776) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9174 [ERL 768] M Brownbridge (CA-777) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9185 [ERL 769] M Brownbridge (CA-745) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9186 [ERL 770] M Brownbridge (CA-746) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9187 [ERL 772] M Brownbridge (CA-779) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9188 [ERL 773] M Brownbridge (CA-800) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9189 [ERL 774] M Brownbridge (CA-747) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9190 [ERL 776] M Brownbridge (CA-780) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9191 [ERL 777] M Brownbridge (CA-801) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9192 [ERL 778] M Brownbridge (CA-802) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9237 [ERL 771] M Brownbridge (CA-778) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 10194 [ERL 1872] S Gouli and V Gouli (Thr.-10-80). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 11788 [ERL 2013] S Gouli and V Gouli (THR-11-5). [Thysanoptera: Thripidae]. 2011. USA: Langdon, New Hampshire.
- 12121 DW Roberts (DWR 2341). Isolated from soil sample SS 25249. 13 Sep 2010. USA: Lincoln County, Nebraska. N 40.910691, W 100.601416.
- Evlachovaea kintrischica* Borisov & Tarasov
[Sordariomycetes: Hypocreales]
Cordycipitaceae
- 7218 [CMPPB 150; SRCAMB B-184] V Likhovidov ← BA Borisov (B.B. 2). *Agelastica alni* [Coleoptera: Chrysomelidae] in litter. 21 Sep 1991. Republic of Georgia: Kintrishi Valley, near Cordon Tskhemlovani, Kintrishskiy Nature Reserve, Autonomous Republic of Adjara. 360 m elevation. Field Collection Number F-306. CULTURE EX TYPE.
- 8058 [CMPPB 150; SRCAMB B-184] V Likhovidov ← BA Borisov (B.B. 2). *Agelastica alni* [Coleoptera: Chrysomelidae] in litter. 21 Sep 1991. Republic of Georgia: Kintrishi Valley, near Cordon Tskhemlovani, Kintrishskiy Nature Reserve, Autonomous Republic of Adjara. 360 m elevation. Field Collection Number F-306. CULTURE EX TYPE.

***Exophiala* sp.**

[Eurotiomycetes: Chaetothyriales]

Herpotrichiellaceae

- 9362 [ERL 1652] S Gouli (HWA-G-7) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

***Furculomyces boomerangus* (MC Williams & Lichtwardt) MC Williams & Lichtwardt**

[Kickxellomycotina: Harpellales]

Legeriomycetaceae

- 9021 RW Lichtwardt (AUS-77-4). *Tanytarsus nr. inextentus* [Diptera: Chironomidae]. Apr 1987. Australia: Tasmania.
- 9077 RW Lichtwardt (AUS-42-6). *Procladius paludicola* [Diptera: Chironomidae]. Apr 1987. Australia: Victoria.
- 9259 RW Lichtwardt (AUS-42-7). *Psectrocladius paludicola* [Diptera: Chironomidae]. Apr 1987. Australia: Victoria.

***Furia* sp.**

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 6211 Acc'd 17 Feb 2000.

***Furia americana* (Thaxter) Humber**

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 742 [CNPAF 82-3-10-01; CP 32] RS Soper. [Diptera]. 10 Mar 1982. Brazil: CNPAF, Goiânia, Goiás.
- 1240 [CNPAF 84-03-30-4B; CP 140] DW Roberts. [Diptera]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 1242 [CNPAF 84-03-30-1A; CP 142] RA Daoust, BP Magalhães and DW Roberts. [Diptera]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 2192 [CNPAF 86-4-24; CP 202] SM dos Santos. [Diptera]. 24 Apr 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2194 [CNPAF 86-5-21-A; CP 204] SM dos Santos. [Diptera]. 21 May 1986. Brazil: CNPAF, Goiânia, Goiás.

***Furia gastropachae* (Raciborski) Filotas, Hajek & Humber**

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Synonym: *Furia crustosa* (MacLeod & Tyrrell) Humber

- 2906 FPML. [Lepidoptera]. Acc'd 3 Apr 1990. Canada.
- 5541 M Filotas (NY I1). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.

- 5542 M Filotas (NY I2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.
- 5543 M Filotas (NY V). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.
- 5544 M Filotas (NY Z). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.
- 5545 M Filotas (MD97 S1-1). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 6 Jun 1997. USA: Snow Hill, Maryland.
- 5546 M Filotas (MD97 S1-2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 6 Jun 1997. USA: Snow Hill, Maryland.
- 5547 M Filotas (CTLD A). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 19 Jun 1997. USA: State University of New York campus, Cortland, New York.
- 5869 [Forest Pest Management Institute FPML 713] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 9 Jun 1982. Canada: Webbwood, Ontario.
- 5870 [Forest Pest Management Institute FPML 922-1a] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 20 Jun 1986. Canada: New Liskeard, Ontario.
- 5871 [Forest Pest Management Institute FPML 922-2a] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 20 Jun 1986. Canada: New Liskeard, Ontario.
- 5872 [Forest Pest Management Institute FPML 922-3a] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 20 Jun 1986. Canada: New Liskeard, Ontario.
- 8926 [ERL 1539b] VS Gouli (FTC). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 2007. USA: Vermont.

***Furia ithacensis* (Kramer) Humber**

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 1339 S Balazy (1561). [Diptera: Empididae] attached to the leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.
- 1340 S Balazy (1561a). [Diptera: Empididae] attached to the leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.
- 8606 KT Hodge. Rec'd 14 Jun 2007.
- 12182 13 Jun 2013.

Furia neopyralidarum (Ben-Ze'ev) Humber

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 1145 M Shimazu (F-356). [Lepidoptera]. Acc'd 4 Apr 1984. Japan: Ibaraki Prefecture.

Furia pieris (Li & Humber) Humber

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 781 BF Usher. *Pieris rapae* [Lepidoptera: Pieridae]. 27 Aug 1982. USA: Ellis Hollow Rd, Community Gardens, Ithaca, New York.

Furia virescens (Thaxter) Humber

[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

- 394 S Keller (24). *Notostira elongata* [Hemiptera: Miridae]. 9 Oct 1975. Switzerland.
- 427 S Keller (250). Larva, [Lepidoptera]. Rec'd 6 Feb 1980. Switzerland.
- 470 S Keller (251). [Lepidoptera: Noctuidae]. Rec'd 27 May 1980. Switzerland.
- 1129 S Keller (416). [Lepidoptera: Noctuidae]. 18 Aug 1982. Switzerland.

***Fusarium* sp.**

[Sordariomycetes: Hypocreales]

Nectriaceae

- 687 [NRRL 25080] DW Roberts (101181-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 11 Oct 1981. PR China: Shanghai, Kiangsu.
- 1307 [NRRL 25081] TJ Poprawski (043). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Acquapendente, Lazio.
- 1522 [NRRL 25083] TJ Poprawski (0121). Pupa, *Musca domestica* [Diptera: Muscidae]. 5 Jul 1984. France: La Clastre.
- 1641 [NRRL 25084] TJ Poprawski (0138). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.
- 1828 [NRRL 25085] RA Humber (Fus. Wal) and MC Rombach. [Hemiptera: Coccidae] on stems of young *Citrus* sp. 13 Nov 1984. Sri Lanka: Walpita Farm, between Diwulapitiya & Kotadeniyawa.
- 2232 [NRRL 25086] K Narayanan (6). *Coccus viridis* [Hemiptera: Coccidae]. Rec'd 27 Aug 1986. India.
- 2303 [NRRL 52756] JE Moxon (2). *Heteropsylla cubana* [Hemiptera: Psyllidae]. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.
- 2333 [NRRL 25088] MG Feng (SA8602). *Sitobion avenae* [Hemiptera: Aphididae] on spring wheat. Summer 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.
- 2414 K Narayanan (16). [Diptera]. Acc'd 6 May 1987. India.
- 2736 [NRRL 25094] GW Riethmacher (Ma2). *Spodoptera* sp. [Lepidoptera: Noctuidae]. 4 Jan 1989. Philippines: La Trinidad, Benguet.
- 2743 [NRRL 25095] GW Riethmacher (B5Bs). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.
- 3030 [NRRL 25097] W Mechaber (weevil#1318). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Lyonia mariana*. 1 Jun 1990. USA: Pemberton, New Jersey.
- 3031 [NRRL 25098] W Mechaber (weevil#1334). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Lyonia mariana*. 1 Jun 1990. USA: Pemberton, New Jersey.
- 3032 [NRRL 25099] W Mechaber (weevil#1354). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Lyonia mariana*. 1 Jun 1990. USA: Pemberton, New Jersey.
- 3051 [NRRL 25100] MS Goettel (4C). Soil. Jul 1990. Mali: Mordiah.
- 3296 [NRRL 25101] J Gutierrez Samperio (12) ← ERD Reyes. *Boophilus* sp. [Acari: Ixodidae] on cow. 1987. Mexico: Colima.
- 3382 [NRRL 25104] K Ostrovska (12) ← PG Lawlor. *Lutzomyia* sp. [Diptera: Psychodidae]. Jul 1991. Guatemala: Tical, Petén.
- 3532 [NRRL 25105] AE Hajek (167a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.
- 3668 [NRRL 25106] TJ Poprawski (38). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on snail vine. Jan 1992. USA: El Centro, California.
- 3669 [NRRL 25107] TJ Poprawski (60). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on apple tree. 4 Feb 1992. USA: Monroy Estate, El Centro, California.
- 3670 [NRRL 25108] TJ Poprawski (5). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on orchid tree. 3 Jan 1992. USA: Vogles Nursery, Holtville, California.
- 3671 [NRRL 25109] TJ Poprawski (7). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tangerine. 14 Jan 1992. USA: Broken Spoke Trailer Park, El Centro, California.
- 3672 [NRRL 25110] TJ Poprawski (19). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on ornamental kale. 30 Jan 1992. Mexico: Veracruz-Tobar Ranch, Est. Victoria, Mexicali Valley, Baja California.
- 3674 [NRRL 25112] TJ Poprawski (50). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on orchid tree. 28 Jan 1992. USA: Calxico, California.
- 3791 [NRRL 25120] R Alatorre Rosas. Rec'd 1 Oct 1992. Location not specified.

- 3976 [NRRL 25121] LA Lacey (93013) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 4002 [NRRL 25122] LA Lacey (93039) ← Heruies. [Hemiptera: Aleyrodidae] on citrus. 30 Apr 1993. Brazil: Bahia.
- 4011 [NRRL 25123] T Steenberg (193) ← J Martin. *Lilioceris lili* [Coleoptera: Chrysomelidae]. Jun 1989. Denmark: Garden of Agricultural University, Zealand.
- 4238 [DAT 32; NRRL 52761] AC Rath (F32). Soil. 1987. Australia: Woodbury, Tasmania.
- 4714 [NRRL 52758] D Peck (7). Adult, female, *Prosapia* *nr. bicincta* [Hemiptera: Cercopidae] on *Cynodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.
- 4863 [NRRL 52689] BL Parker (AVRDC-0447B). Soil Eggplant. 6 Oct 1994. Republic of China: Chi-Nan, Taiwan.
- 4864 [NRRL 52757] BL Parker (AVRDC-0454B). Soil Eggplant. 6 Oct 1994. Republic of China: NPPI, Pingtung, Taiwan.
- 4956 [NRRL 52752] N Viaene (5). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae]. 9 Jun 1994. USA: greenhouse nematode culture, New York.
- 4962 [NRRL 52763] N Viaene (17). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae]. 9 Jun 1994. USA: greenhouse nematode culture, New York.
- 4969 [NRRL 52688] JL Hatting (B). *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1995. South Africa: Bethlehem, Free State.
- 5219 [NRRL 52753] M Melo (1). Larva, *Scrobipaluloides absoluta* [Lepidoptera: Gelechiidae] on tomato. Rec'd 12 Jul 1996. Brazil: Pelotas, Rio Grande do Sul.
- 5332 [NRRL 52725] SARL (150) ← S Doerfler, B Flores and TJ Poprawski. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on okra. 6 Sep 1994. USA: Harlingen, Texas.
- 5461 TJ Poprawski (TJP926) ← G Mercadier (EBCL 97031). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi. 89099.
- 5560 I Klingen (PVF 8.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5680 BL Parker (SPT-042). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1998. Turkey: Graek, Konor, Elbistan, Kahraman Maras.
- 5682 BL Parker (SPT-078). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5726 L Erkiliç (95-1). *Aphis gossypii* [Hemiptera: Aphididae] on *Citrus*. 12 Jul 1995. Turkey: Adana, Adana.
- 5727 L Erkiliç (96-1). *Aphis gossypii* [Hemiptera: Aphididae] on *Gossypium*. 30 Jul 1996. Turkey: Adana, Adana.
- 5728 L Erkiliç (97-1). *Aphis gossypii* [Hemiptera: Aphididae] on *Gossypium*. 23 Aug 1997. Turkey: Adana, Adana.
- 5755 BL Parker (SPT 026/1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Al Kilabia.
- 5757 BL Parker (SPT 029/2). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Meshmegan.
- 5803 BL Parker (HWA 310). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.
- 5825 BL Parker (AT 153). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.
- 5875 FE Vega (EBCL 98004). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5878 FE Vega (EBCL 98011). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5879 FE Vega (EBCL 98012). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 19 Oct 1997. Uganda: Chesogok.
- 5881 FE Vega (EBCL 98021). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. Nov 1997. Benin: Cotonou, Atlantique.
- 6102 JL Hatting. *Orachrysops subravus* [Lepidoptera: Lycaenidae: Polyommatainae]. Rec'd Winter 1999. South Africa.
- 6225 FE Vega. *Lopholeucaspis japonica* [Hemiptera: Diaspididae]. 6 Oct 1998. Republic of Georgia: Batumi, Autonomous Republic of Adjara.
- 6348 [CIAT 020; NRRL 52686] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 7 Apr 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6351 [CIAT 021; NRRL 52684] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 7 Apr 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6352 [CIAT 022; NRRL 52685] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6353 [CIAT 023; NRRL 52691] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6354 [CIAT 024; NRRL 52693] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

- 6358 [CIAT 028; NRRL 52692] DC Peck. Adult, male, *Zulia colombiana* [Hemiptera: Cercopidae]. 18 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6375 [CIAT 040; NRRL 52694] DC Peck. Adult, male, *Zulia pubescens* [Hemiptera: Cercopidae]. 12 May 1997. Colombia: El Diamante Farm, San José de Fragua, Caquetá.
- 6394 B Tunali (11). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Jun 1999. Turkey: Kinkkale, Ankara.
- 6395 B Tunali (12). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2 Sep 1999. Turkey: Aksaray, Nigde.
- 6396 B Tunali (16). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Jun 1999. Turkey: Yozgat.
- 6397 B Tunali (18). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Kinkkale, Ankara.
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- 6402 [NRRL 52723] B Tunali (24). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 23 Jun 1999. Turkey: Yozgat.
- 6403 [NRRL 52721] B Tunali (25). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 29 Jun 1999. Turkey: Beynam, Ankara.
- 6410 [NRRL 52720] B Tunali (38). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Beynam, Ankara.
- 6428 [NRRL 52714] B Tunali (21). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 7 Aug 1999. Turkey: Kirsehir.
- 6429 B Tunali (39). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Aksaray, Nigde.
- 6443 [NRRL 52715] KW Cote. *Tetranychus urticae* [Acari: Tetranychidae] on leaves of *Buddleia x davidii*. Acc'd 16 May 2001. USA: greenhouse, VA Tech Hampton Road Research Facility, Virginia Beach, Virginia.
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- 6453 [NRRL 52708] Z G/Tsadik (5/03-B). Soil. 3 Oct 1999. Ethiopia: Northern Shoa.
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- 6461 [CIAT 046; NRRL 52699] DC Peck. Adult, female, *Mahanarva andigena* [Hemiptera: Cercopidae]. 21 Jul 1999. Colombia: El Mira Farm, Tumaco, Nariño.
- 6464 [CIAT 049; NRRL 52695] DC Peck. Adult, female, *Mahanarva andigena* [Hemiptera: Cercopidae]. 21 Jul 1999. Colombia: El Mira Farm, Tumaco, Nariño.
- 6465 [CIAT 050; NRRL 52698] DC Peck. Adult, *Zulia carbonaria* [Hemiptera: Cercopidae]. 4 Aug 1999. Colombia: Santander de Quilichao, Cauca.
- 6572 [NRRL 52704] KW Cote. *Tetranychus urticae* [Acari: Tetranychidae] from laboratory colony. Feb 2000. USA: Virginia Polytechnic Institute and State University, Blacksburg, Virginia.
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- 6590 [NRRL 52702] Acc'd 7 Apr 2003.
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- 6928 Acc'd 13 Apr 2004.
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- 8266 [NRRL 52741] RJ Pereaault (Walton Spray pci#3). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 8277 [NRRL 52745] BN Tiwary (IF-1). *Aphis fabae* [Hemiptera: Aphididae]. 28 Dec 2005. India: Patna, Bihar.
- 8278 [NRRL 52747] BN Tiwary (IF-2). *Aphis fabae* [Hemiptera: Aphididae]. 28 Dec 2005. India: Patna, Bihar.
- 8279 [NRRL 52746] BN Tiwary (IF-5). *Ceresa bubalus* [Hemiptera: Membracidae]. 28 Nov 2005. India: Patna, Bihar.

- 8286 [NRRL 52735] BN Tiwary (IF-19). *Tetrix granulata* [Orthoptera: Tetrigidae]. 28 Oct 2005. India: Sitamarhi, Bihar.
- 8287 [NRRL 52737] BN Tiwary (IF-20). *Aphis fabae* [Hemiptera: Aphididae]. 29 Dec 2005. India: Patna, Bihar.
- 8288 [NRRL 52739] BN Tiwary (SCF-3). Isolated from soil sample. 12 Feb 2006. India: Samar, Sitamarhi, Bihar.
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- 8298 [NRRL 52734] YK Caner (4). Rec'd 22 Aug 2006. Turkey: mah 1, Seyhli, Istanbul.
- 8299 [NRRL 52726] YK Caner (6). Rec'd 22 Aug 2006. Turkey: Gökçeali, Piraziz, Giresun.
- 8300 [NRRL 52727] YK Caner (8). Rec'd 22 Aug 2006. Turkey: Koznil.
- 8301 [NRRL 52729] YK Caner (38). Rec'd 22 Aug 2006. Turkey: Aybasti, Ordu.
- 8302 [NRRL 52730] YK Caner (40). Rec'd 22 Aug 2006. Turkey: Kayabasi, Ordu.
- 8472 WC Luz (eco 46). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8473 WC Luz (eco 66). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8481 WC Luz (eco 110) or (T18). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8482 WC Luz (eco 111) or (T40). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8484 WC Luz (eco 113) or (T40). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8648 YK Caner (2.20). Rec'd 13 Jul 2007. Turkey: Ulubey, Çarsamba, Samsun.
- 8650 YK Caner (2.29). Rec'd 13 Jul 2007. Turkey: 1, Mesebüki, Ordu.
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- 9273 Z Demirbag and E Tanyeli (Dm-7). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.
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- 10391 [ERL 1964] S Gouli and V Gouli (SB-10-11). *Halyomorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.
- 10470 NB Murray (5.1.B). Adult, *Epiphyas postvittana* [Lepidoptera: Tortricidae] on *Myrica californica* Chamisso, Pacific wax-myrtle. Rec'd 26 Nov 2010. USA: Santa Cruz County, California.
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- 11670 Z Demirbag (As3) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11671 Z Demirbag (As4) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11672 Z Demirbag (As5) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11673 Z Demirbag (As6) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11674 Z Demirbag (As7) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
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- 11677 Z Demirbag (As10) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11679 Z Demirbag (As12) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11680 Z Demirbag (As13) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.

- 11684 Z Demirbag (As17) ← S Kocaçevik. *Amphimallon solstitialis* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11697 Z Demirbag (Gg10) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
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- 11950 J George (PSU 12-003) and NE Jenkins. *Culex pipiens pipiens* [Diptera: Culicidae]. Rec'd 20 Feb 2013. USA: Myerstown, Pennsylvania.
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- 12033 [ERL 2112] S Gouli (A-12/11) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12034 [ERL 2113] S Gouli (A-12/12) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12035 [ERL 2114] S Gouli (A-12/13) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12036 [ERL 2115] S Gouli (A-12/14) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12037 [ERL 2116] S Gouli (A-12/15) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Fredericksburg, Texas.
- 12038 [ERL 2117] S Gouli (A-12/16) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Santa Cruz County, Arizona.
- 12039 [ERL 2118] S Gouli (A-12/17) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. 2012.
- 12040 [ERL 2119] S Gouli (A-12/18) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Jun 2012. USA: Wilder, Texas.
- 12072 [ERL 2159] S Gouli (PS-12/21) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12073 [ERL 2160] S Gouli and V Gouli (PS-12/22). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12074 [ERL 2161] S Gouli (PS-12/23) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12075 [ERL 2162] S Gouli and V Gouli (PS-12/24). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12076 [ERL 2163] S Gouli (PS-12/25) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12077 [ERL 2164] S Gouli and V Gouli (PS-12/26). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12078 [ERL 2165] S Gouli (PS-12/27) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12079 [ERL 2166] S Gouli and V Gouli (PS-12/28). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12084 [ERL 2171] S Gouli (PS-12/33) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Betula alleghaniensis* Britton, yellow birch. Sep 2012. USA: Richmond, Rhode Island.
- 12461 S Simeto (1380). *Hylurgus ligniperda* [Coleoptera: Curculionidae] on pine. Rec'd 5 Nov 2013. Uruguay.
- 12538 A Altinok (65). Isolated from soil sample. Rec'd 19 May 2014. Turkey: Kayseri Province.
- 12540 A Altinok (147). Isolated from soil sample. Rec'd 19 May 2014. Turkey: Kayseri Province.
- 12541 A Altinok (316). Isolated from soil sample. Rec'd 19 May 2014. Turkey: Kayseri Province.
- 12542 A Altinok (329). Isolated from soil sample. Rec'd 19 May 2014. Turkey: Kayseri Province.
- 12901 A Khan (Chag 17) or (CH #10 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Chaguaramas, Trinidad and Tobago.
- 12902 A Khan (StA 3) or (CO #4A UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: St. Augustine, Trinidad and Tobago.
- 12906 A Khan (TAB 7) or (TA #7 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Tabaquite, Trinidad and Tobago.

- 12909 R Canhilal (165). Isolated from soil sample collected beneath *Lactuca sativa* L., lettuce. 21 Nov 2012. Turkey: Adana.
- 12911 R Canhilal (213). Isolated from soil sample collected beneath *Malus* sp., apple tree. 21 Nov 2012. Turkey: Adana.
- 12913 R Canhilal (251). Isolated from soil sample collected beneath *Punica granatum* L., pomegranate. 21 Nov 2012. Turkey: Adana.
- 12914 R Canhilal (252a). Isolated from soil sample collected beneath grass. 21 Nov 2012. Turkey: Adana.
- 12917 R Canhilal (327). Isolated from soil sample collected in forest. 21 Nov 2012. Turkey: Adana.
- 12918 R Canhilal (328). Isolated from soil sample collected in forest. 21 Nov 2012. Turkey: Adana.
- 12919 R Canhilal (334a). Isolated from soil sample collected beneath grass. 21 Nov 2012. Turkey: Adana.

Fusarium acuminatum Ellis & Everhart
[Sordariomycetes: Hypocreales]
Nectriaceae

- 3218 [NRRL 25124; UAMH 6730] MS Goettel (2B-A). [Orthoptera: Acrididae]. 17 Jul 1990. Mali: Mordiah.

Fusarium acutatum Nirenberg & O'Donnell
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

- 3704 [NRRL 25118] LA Lacey (022A). Adult, [Hemiptera: Aphididae]. 6 Mar 1992. Pakistan: Lahore.
- 3707 [NRRL 25119] LA Lacey (021A). Adult, [Hemiptera: Aphididae]. 6 Mar 1992. Pakistan: Lahore.

Fusarium austroamericanum T. Aoki, Kistler, Geiser & O'Donnell
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

- 4713 [NRRL 52762] D Peck (5). Adult, female, *Prosapia* nr. *bicincta* [Hemiptera: Cercopidae] on *Cynodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.

Fusarium avenaceum (Fries) Saccardo
[Sordariomycetes: Hypocreales]
Nectriaceae

- 2060 [NRRL 25125] GC Carroll (2(HO-O-Hatch IV)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Fusarium brachygibbosum Padwick
[Sordariomycetes: Hypocreales]

Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

- 2595 [NRRL 25093] RC Rajak (ENT/10A). *Hyblaea puer* [Lepidoptera: Hyblaeidae] on teak, *Tectona grandis*. Acc'd 12 Sep 1988. India.

Fusarium coccophilum (Desmazieres) Wollenweber & Reinking
[Sordariomycetes: Hypocreales]
Nectriaceae

- 821 [NRRL 25126] GG Soares (1). *Melanaspis obscura* [Hemiptera: Diaspididae]. Acc'd Winter 1983. USA: Washington, District of Columbia.
- 2098 [NRRL 25127] DG Holdom (180186). *Lepidosaphes* sp. [Hemiptera: Diaspididae]. 18 Jan 1986. Indonesia: "Jeruk Siam" Plantation, Sukamundi, Jawa Barat, Java.
- 7409 M Liu (ml173). [Hemiptera: Coccoidea] on *Citrus* sp., citrus. 16 Dec 2003. USA: Guilarte, Route 518, beside school, Adjuntas, Puerto Rico.

Fusarium commune Skovgaard, O'Donnell & Nirenberg
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

- 4825 [NRRL 52764] JD Vandenberg (27-2). Adult, *Oti-orhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 8281 [NRRL 52744] BN Tiwary (IF-10). *Tetrix granulata* [Orthoptera: Tetrigidae]. 28 Oct 2005. India: Sitamarhi, Bihar.

Fusarium concentricum Nirenberg & O'Donnell
[Sordariomycetes: Hypocreales]

Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

- 2053 [NRRL 25202] MC Rombach (071185-3) ← SB Ahn (E1-7 & E1-5). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. 1985. Republic of Korea. Appreciable source of beauvericin (Gupta, Krasnoff, Underwood, Renwick, and Roberts. 1991. Mycopathologia 115: 185-189. Isolation of beauvericin as an insect toxin from *Fusarium semitectum* and *Fusarium moniliforme* var. *subglutinans*).

Fusarium concolor Reinking
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

3042 WE Jones (Hara). Phylum Nemata, Class Secernentea. Rec'd 7 Aug 1990. USA: Island of Hawaii, Hawaii.

Fusarium culmorum (WG Smith) Saccardo
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

6400 B Tunali (22). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 27 Aug 1999. Turkey: Aksaray, Nigde.

Fusarium graminearum Schwabe
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

8303 YK Caner (3). Rec'd 22 Aug 2006. Turkey: Tasdibi, Espiye, Giresun.

8644 YK Caner (2.16). Rec'd 13 Jul 2007. Turkey: Tasdibi, Espiye, Giresun.

Fusarium lateritium Nees:Fries
[Sordariomycetes: Hypocreales]
Nectriaceae

1331 [ARSEF 1416; NRRL 25128] S Balazy (1437). Adult, [Hymenoptera: Ichneumonidae] in coniferous forest undergrowth. 1 Sep 1981. Poland: Wielkopolski National Park.

1416 [ARSEF 1331; NRRL 25129] S Balazy (1437). Adult, [Hymenoptera: Ichneumonidae] in coniferous forest undergrowth. 1 Sep 1981. Poland: Wielkopolski National Park.

2304 [NRRL 52765; PSU L-237] JE Moxon (3). *Heterosylla cubana* [Hemiptera: Psyllidae]. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

8291 [MTCC 9050] BN Tiwary (SCF-8). Isolated from soil sample. 12 Feb 2006. India: Samar, Sitamarhi, Bihar.

Fusarium meridionale T. Aoki, Kistler, Geiser & O'Donnell
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

4715 [NRRL 52760] D Peck (9). Adult, male, *Prosapia* nr. *bicincta* [Hemiptera: Cercopidae] on *Cymodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.

Fusarium merismoides Corda
[Sordariomycetes: Hypocreales]
Nectriaceae

2059 [NRRL 25130] GC Carroll (B). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Fusarium nygamai Burgess & Trimboli
[Sordariomycetes: Hypocreales]
Nectriaceae

2316 [NRRL 25030; PSU M-3959] VS Bhatnagar. *Raghuva albipunctella* [Lepidoptera: Noctuidae]. 8 Oct 1986. Senegal: Kaolack.

6602 [NRRL 52701] FE Vega. *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 28 Sep 2000. Colombia: Caldas.

Fusarium oxysporum Schlechtendahl
[Sordariomycetes: Hypocreales]
Nectriaceae

1371 [NRRL 25131] TJ Poprawski (83-11). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. 24 Aug 1983. Canada: L'Acadie, Québec.

2311 [PSU S-1145] JE Moxon (12). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

4963 [NRRL 52724] N Viaene (20). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Sheldon onion fields, Oswego, New York.

4964 [NRRL 52751] N Viaene (24). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae]. 16 Apr 1993. USA: greenhouse nematode culture, New York.

10226 JG Banu (B.b.-1). Rec'd 30 Jul 2010.

Fusarium oxysporum(?) Schlechtendahl
[Sordariomycetes: Hypocreales]
Nectriaceae

6355 [CIAT 025; NRRL 52690] DC Peck. Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6622 [NRRL 52749] Acc'd 21 May 2003.

Fusarium polyphialidicum Marasas, Nelson, Tousoun & van Wyk
[Sordariomycetes: Hypocreales]
Nectriaceae

3692 [NRRL 25529] AE Hajek (114). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 7 Jun 1991. USA: nr. Freese Rd., Ithaca, New York.

3693 [NRRL 25530] AE Hajek (325). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: nr. Birchwood So., Ithaca, New York.

- 3694 [NRRL 25531] AE Hajek (E.M.F. #3) or (325) ← J Boettner. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Oct 1991. USA: ., Holyoke Range, Massachusetts.
- 3695 [NRRL 25532] AE Hajek (11). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 21 Jun 1991. USA: Weakley Hollow, Madison County, Virginia.
- 3696 [NRRL 25533] AE Hajek (26). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.
- 3916 [NRRL 52759] AE Hajek (92-165). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jul 1992. USA: State Game Land #203, Allegheny County, Pennsylvania.
- Fusarium proliferatum*** (Matsushima) Nirenberg ex Gerlach & Nirenberg [Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).
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- 1310 [NRRL 25082] TJ Poprawski (A9). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 2074 [NRRL 25028] H David. *Melanaspis glomerata* [Hemiptera: Diaspididae]. Acc'd 10 Jan 1986. India: Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.
- 2337 [NRRL 25089] MG Feng (RP8601). *Rhopalosiphum padi* [Hemiptera: Aphididae] on field corn. 2 Sep 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.
- 2568 [NRRL 25091] F Agudelo-Silva ← RL Bugg. Larva, *Chalcoedermus aeneus* [Coleoptera: Curculionidae]. Nov 1987. USA: Tifton, Georgia.
- 2569 [NRRL 25092] F Agudelo-Silva ← RL Bugg. Larva, *Chalcoedermus aeneus* [Coleoptera: Curculionidae]. Nov 1987. USA: Tifton, Georgia.
- 2776 G Riethmacher (EB4). *Plutella xylostella* [Lepidoptera: Plutellidae]. Acc'd 12 Nov 913. Philippines: La Trinidad, Benguet.
- 3223 [IMI 330803; NRRL 25029] DW Roberts ← PR Srinivas. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd 22 Mar 1991. India.
- 3345 [NRRL 25103] F Badilla. *Aeneolamia postica* [Hemiptera: Cercopidae] on sugar cane. Nov 1990. Costa Rica: San Carlos.
- 6320 [CIAT 004; NRRL 52687] DC Peck. Adult, *Zulia pubescens* [Hemiptera: Cercopidae]. 5 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6409 [NRRL 52716] B Tunali (36). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Aksaray, Nigde.
- 6411 [NRRL 52718] B Tunali (34). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 8 Oct 1999. Turkey: Kollubaba.
- 6425 [NRRL 52719] B Tunali (17). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Kinkkale, Ankara.
- 6649 [NRRL 52696] KU Devi (PIV). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Visakhapatnam, Andhra Pradesh.
- 8267 [NRRL 52743] RJ Pereault (Walton Control pci#1). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- Fusarium pseudocircinatum*** O'Donnell & Nirenberg [Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).
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- 2301 [NRRL 25034; PSU M-3856] M Holderness ← JE Moxon (CCR16-6). *Heteropsylla incisa* [Hemiptera: Psyllidae]. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.
- Fusarium sacchari*** (EJ Butler & Hafiz Khan) W. Gams [Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).
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- 2141 [NRRL 25031] H David (1). *Scirpophaga excerptalis* [Lepidoptera: Pyralidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu. Appreciable source of beauvericin (Gupta, Krasnoff, Underwood, Renwick, and Roberts. 1991. Mycopathologia 115: 185-189. Isolation of beauvericin as an insect toxin from *Fusarium semitectum* and *Fusarium moniliforme* var. subglutinans).
- 2142 [NRRL 25139] H David (3). *Chilo sacchariphagus indicus* [Lepidoptera: Pyralidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.
- 2143 [NRRL 25032] H David (8). *Pyrilla perpusilla* [Hemiptera: Lophopidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.
- 2145 [NRRL 25033] H David (10). *Pulvinaria elongata* [Hemiptera: Coccidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.
- 2418 [NRRL 25090; SBI 87-2] H David. *Emmalocera depressella* [Lepidoptera: Phycitinae]. Acc'd 19 May 1987. India.
- 7045 JL Hatting (Field 934). *Chilo sacchariphagus* [Lepidoptera: Pyralidae]. Jun 2002. Mozambique: Mafambisse.
- 7046 JL Hatting (Field 1012). *Chilo sacchariphagus* [Lepidoptera: Pyralidae]. Jun 2002. Mozambique: Mafambisse.
- 8282 [NRRL 52742] BN Tiwary (IF-11). *Sogatella furcifera* [Hemiptera: Delphacidae]. 26 Nov 2005. India: Patna, Bihar.

8283 [NRRL 52733] BN Tiwary (IF-12). *Sogatella furcifera* [Hemiptera: Delphacidae]. 26 Nov 2005. India: Patna, Bihar.

8285 [NRRL 52738] BN Tiwary (IF-14). *Sogatella furcifera* [Hemiptera: Delphacidae]. 26 Nov 2005. India: Patna, Bihar.

Fusarium semitectum Berkeley ex Ravanel
[Sordariomycetes: Hypocreales]
Nectriaceae

2299 [NRRL 25134; PSU R-8540] M Holderness ← JE Moxon (CCR14-4). *Heteropsylla incisa* [Hemiptera: Psyllidae] on *Leucaena leucocephala*. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

2300 [NRRL 25135; PSU R-8541] M Holderness ← JE Moxon (CCR15-6). *Heteropsylla incisa* [Hemiptera: Psyllidae] on *Leucaena leucocephala*. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Fusarium solani (Martius) Saccardo
[Sordariomycetes: Hypocreales]
Nectriaceae

1148 TJ Poprawski (83-06). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. 24 Aug 1983. Canada: L'Acadie, Québec.

2312 [NRRL 25136; PSU S-1146] JE Moxon (15). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

2313 [NRRL 25137; PSU S-1147] JE Moxon (16). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

2314 [NRRL 25138; PSU S-1148] JE Moxon (17). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Fusarium sporotrichioides Sherbakoff
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

8304 [NRRL 52728] YK Caner (16). Rec'd 22 Aug 2006. Turkey: Yagizli, Ordu.

8305 [NRRL 52732] YK Caner (21). Rec'd 22 Aug 2006. Turkey: mah 2, Seyhli, Istanbul.

8306 [NRRL 52731] YK Caner (25). Rec'd 22 Aug 2006. Turkey: 1, Dedeli, Giresun.

8643 YK Caner (2.11). Rec'd 13 Jul 2007. Turkey: Asagi söğütlü - 2, Terme, Samsun.

8645 YK Caner (2.17). Rec'd 13 Jul 2007. Turkey: Asagi söğütlü - 4, Terme, Samsun.

8646 YK Caner (2.18). Rec'd 13 Jul 2007. Turkey: Bulancak, Giresun.

8647 YK Caner (2.19). Rec'd 13 Jul 2007. Turkey: 2, Dedeli, Ordu.

8649 YK Caner (2.21). Rec'd 13 Jul 2007. Turkey: Taflan, Samsun.

8651 YK Caner (2.6). Rec'd 13 Jul 2007. Turkey: Yagizli, Ordu.

Fusarium subglutinans (Wollenweber & Reinking)
Nelson, Tousson & Marasas
[Sordariomycetes: Hypocreales]
Nectriaceae

2144 [NRRL 25140] H David (9). *Pyrilla perpusilla* [Hemiptera: Lophopidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.

Fusarium torulosum (Berkeley & MA Curtis) Nirenberg
[Sordariomycetes: Hypocreales]
Nectriaceae. Major synonym: *Fusarium sambucinum* Fuckel

3483 [NRRL 25132, 52755] AE Hajek ← VC Mastro. 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 30 May 1991. USA: St. Paul's Church, Vesuvius, Virginia.

Fusarium udum EJ Butler
[Sordariomycetes: Hypocreales]
Family Nectriaceae. Family Nectriaceae. Identification of these isolates were genomically determined (see O'Donnell et al., 2012, Mycologia 104: 427-445; doi 10.3852/11-179).

6446 [NRRL 52713] Z G/Tsadik (3 (Wello 23.10.99)). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6447 [NRRL 52707] Z G/Tsadik (Filter paper). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6451 [NRRL 52712] Z G/Tsadik (3-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6452 [NRRL 52710] Z G/Tsadik (5-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6455 [NRRL 52706] Z G/Tsadik (6-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

Fusarium verticillioides (Saccardo) Nirenberg (Petch)
W Gams
[Sordariomycetes: Hypocreales]
Synonym: *Verticillium indicum* (Petch) W Gams

2252 [NRRL 25087] TJ Poprawski (8627). Adult, [Diptera: Bibionidae] on *Solidago* sp. 16 Jun 1986. France: Béhoust, Yvelines.

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- 3300 [NRRL 25102] J Gutierrez Samperio (16) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3673 [NRRL 25111] TJ Poprawski (32). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on lemon tree. 22 Jan 1992. USA: Brawley, California.
- 3675 [NRRL 25113] TJ Poprawski (5A). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on orchid tree. 3 Jan 1992. USA: Holtville, California.
- 3676 [NRRL 25114] TJ Poprawski (2). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on orange tree. 13 Jan 1992. Mexico.
- 3677 [NRRL 25115] TJ Poprawski (2A). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on cauliflower. 13 Jan 1992. Mexico.
- 3678 [NRRL 25116] TJ Poprawski (13). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on broccoli. 16 Jan 1992. USA: Calexico, California.
- 3679 [NRRL 25117] TJ Poprawski (15). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on kale. 17 Jan 1992. Mexico: Aranzga Ranch, Est. Victoria, Mexicali Valley, Baja California.

Gaertneriomyces semiglobifer Uebelm. ex DJS Barr
[Chytridiomycetes: Spizellomycetales]
Spizellomycetaceae

- 12091 AE Hajek ← JE Longcore (JEL623). Acc'd 9 Jul 2013.

Gamsylella gephyropaga (Drechsler) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonym: *Monacrosporium gephyropagum* (Drechsler) Subramanian

- 4817 [CBS 308.94] A Rubner (AR 9225). From soil. 1989. Spain: Montana Ayara, Tenerife, Canary Islands.

Gamsylella lobata (Duddington) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonyms: *Dactylella lobata* Duddington; *Monacrosporium lobatum* (Duddington) A. Rubner

- 4811 [CBS 329.94] A Rubner (AR 9340). From rabbit dung. Oct 1993. Germany: Grunewald, Berlin.

Geniculifera paucispora (Rifai & Cooke) Rifai
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 4941 BA Jaffee (AN144). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.

Geotrichum sp.

[Saccharomycetes: Saccaromycetales]
Dipodascaceae

- 2752 GW Riethmacher (A1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Mar 1989. Philippines: La Trinidad, Benguet. Arthroconidial hyphomycete.
- 11653 [ERL 618] S Gouli (CA-677) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 11654 [ERL 619] S Gouli and V Gouli (CA-688). Isolated from soil sample. 2002. USA: California.

Geotrichum (?) sp.

[Saccharomycetes: Saccharomycetales]
Dipodascaceae

- 5823 BL Parker (AT 79/2). *Adelges tsugae* [Hemiptera: Adelgidae]. 17 Aug 1997. USA: Forest Park, Massachusetts.

Gibellula clavulifera var. alba Rombach & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

- 1909 MC Rombach (9(int.myc.)). *Euophrys ?trivittata* [Araneida: Salticidae] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

Gibellula pulchra (Saccardo) Cavara
[Sordariomycetes: Hypocreales]

Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

- 1732 MC Rombach (Gib-Gam). [Araneida]. 13 Nov 1984. Sri Lanka: Hemeratgoda Botanical Garden, Gampaha.

Gibellula sp.

[Sordariomycetes: Hypocreales]

Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

- 569 RS Soper (81223-1). [Araneida]. 23 Feb 1981. Indonesia: Bangun Village, Kecamatan Tanjung, Deliserdang District, Sumatera Utara, Sumatra.
- 570 RS Soper (81228-1). [Araneida]. 28 Feb 1981. Indonesia: NW of Denpasar, Kabupaten Tabanan, Subak Kota Bongan, Bali.
- 7387 M Liu (ml181). 16 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico.
- 7709 P Chaverri (PC 472). 5 Jan 2004.
- 8927 [ERL 1543d] VS Gouli (SD-1b). [Araneida]. 2006. USA: New York.

Gliocladium sp.

[Sordariomycetes: Hypocreales]

- 5175 S Gouli (GP-18). Rec'd 14 May 1996. Location not specified.
6632 JL Hatting. [Lepidoptera: Sesiidae] on *Aspalathus contaminatus*, Rooibos tea. Rec'd 27 Sep 2000. South Africa: Western Cape, Cape Province.
8467 WC Luz (eco 25). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

Gliocladium roseum (Link:Fries) Thom

[Sordariomycetes: Hypocreales]

- 3001 SV Krueger (MF-S). Soil. Feb 1990. USA: Geneva, New York.

Gliocladium(?) sp.

[Sordariomycetes: Hypocreales]

- 6579 G Sewify (1). *Icerya purchasi* [Hemiptera: Margarodidae]. May 2000. Egypt.
6583 G Sewify (5). *Icerya purchasi* [Hemiptera: Margarodidae]. May 2000. Egypt.
6896 E Zhioua (Tick #2). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.

Haptocillium balanoides (Drechsler) Zare & Gams

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Major synonym: *Verticillium balanoides* (Drechsler) Dowsett, Reid & Hopkin

- 2483 [ATCC 46576; DAOM 185098] UAMH (5256) ← JA Dowsett. Phylum Nemata, Class Secernentea. Acc'd 1 Dec 1987. Canada: Manitoba.
3173 P Timper. *Aphelenchoides* sp. [Aphelenchida: Aphelenchoididae]. Rec'd 5 Nov 1991. USA: potato field, Long Island, New York.
3350 P Timper ← BA Jaffee. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California.
5617 SL Glockling (K1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Haptocillium sinense (KG Zhang, L Cao & ZQ Liang)

Zare & Gams

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Major synonym: *Verticillium sinense* KG Zhang, L Cao & ZQ Liang

- 5618 [CBS 101431] SL Glockling (RT). Phylum Nemata from rotten tubers. 28 Jun 1995. Japan: Ibaraki, Ibaraki Prefecture.

Harpellales, genus undetermined

[Kickxellomycotina: Harpellales]

- 9064 RW Lichtwardt (ALG-13-W1). [Trichoptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
9089 RW Lichtwardt (AS-42-1). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.

Harposporium anguillulae Lohde

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 4954 N Viaene (1). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Dutch Ridge Road, Oswego, New York.
5407 KT Hodge (1). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.
5408 KT Hodge (A). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.
5409 KT Hodge (B). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.
5593 SL Glockling (CGa). Phylum Nemata from grass cuttings. 10 Jan 1997. Japan: Ibaraki, Ibaraki Prefecture.
5594 SL Glockling (RSa). Phylum Nemata from rotten stems. 21 Jul 1995. Japan: Ibaraki, Ibaraki Prefecture.
5595 SL Glockling (MA). Phylum Nemata from mud under rotten *Allium*. 18 Jan 1996. Japan: Amami Islands.
5659 SL Glockling. Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Harposporium arcuatum GL Barron

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 5596 SL Glockling (VEG). Phylum Nemata from decaying vegetation. 22 Nov 1996. Japan: Ibaraki, Ibaraki Prefecture.
5597 SL Glockling (PA). Phylum Nemata from decaying vegetation. 9 May 1996. Japan: Ibaraki, Ibaraki Prefecture.
5598 SL Glockling (Drain). Phylum Nemata from drain. 20 Jun 1996. Japan: Ibaraki, Ibaraki Prefecture.

Harposporium botuliforme GL Barron

[Sordariomycetes: Hypocreales]

- 10275 CG Wilson (mg40). *Adineta vaga* [Bdelloida: Adinetidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Harposporium bysmatosporum Drechsler

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 5656 SL Glockling. Phylum Nemata from cow manure. 11 Nov 1997. United Kingdom.

Harposporium cerberi W Gams, KT Hodge & Viaene
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5123 [ATCC 201113; CBS 600.92] H Velvis (EP 26). Phylum Nemata, Class Secernentea. 1992. Netherlands: soil under grassland, Finsterwolde. CULTURE EX TYPE. Holotype specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 63892.

Harposporium cocleatum Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

9382 CG Wilson (io4). 12 May 2009. USA: Cornell Lab of Ornithology, Ithaca, New York.

Harposporium cycloides Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5599 SL Glockling (N3). Phylum Nemata from soil and dung. 12 May 1995. Japan: Ibaraki, Ibaraki Prefecture.

5600 SL Glockling (K2a). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Harposporium dicorymbum Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5658 SL Glockling. Phylum Nemata from grass cuttings. 10 Jan 1997. Japan.

Harposporium helicoides Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5354 [ATCC 18766; CBS 944.70] GL Barron (No. 10773). Phylum Nemata. Rec'd 24 Oct 1996. Canada.

Harposporium janus Shimazu & Glockling
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5601 SL Glockling. Larva, [Coleoptera: Cerambycidae] on tree trunk. Rec'd 2 Dec 1997. Japan.

Harposporium leptospira Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5602 SL Glockling (AL). Phylum Nemata from *Allium* leaves. 16 Oct 1995. Japan: Ibaraki, Ibaraki Prefecture.

5603 SL Glockling (A2). Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Harposporium lilliputanum S.M. Dixon
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5604 SL Glockling (DC). Phylum Nemata from decayed chestnuts. 8 Jun 1995. Japan: Ibaraki, Ibaraki Prefecture.

8425 ME Smith (Harpo3). Phylum Nemata collected from soil. 22 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

Harposporium microsporium Glockling
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

8424 ME Smith (Harpo1). Phylum Nemata collected from soil. 25 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

Harposporium oxycoracum Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

8426 ME Smith (Harpo4). Phylum Nemata collected from soil. 22 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

Harposporium sp.
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5410 KT Hodge ← GJ Samuels (GJS 96-242). Host unknown on log. 6 May 1996. Costa Rica: Los Alturas Biological Station, Parque Internacional La Amistad. Anamorph of *Cordyceps* sp. Produces arthrosporic and *Hirsutella* synanamorphs. Capable of parasitizing *Rhabditis* sp. [Nemata] in vitro. Specimen accessioned as BPI 749196 (S.M. Huhndorf 2243A).

12623 CG Wilson (2c69a). *Adineta vaga* [Bdelloida: Adinetidae] collected from *Hypnum*, moss on *Quercus robur* L., English oak. 25 May 2011. United Kingdom: Silwood Park, Berkshire, England.

Harposporium spirosporium GL Barron
[Sordariomycetes: Hypocreales]

8821 CG Wilson (db2). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. 16 Jun 2008. USA: Cornell University, Plant Science greenhouse, Ithaca, New York.

10271 CG Wilson (mg38). *Habrotricha elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Harposporium subuliforme Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5605 SL Glockling (E). Phylum Nemata from soil. 25 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

5657 SL Glockling. Phylum Nematoda from cow manure. 11 Nov 1997. United Kingdom.

***Hirsutella* sp.**

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Strains listed here have not been satisfactorily identified to species largely due to the lack of adequate taxonomic information for the majority of species in this large and important genus. *Hirsutella* is a known or possible synanamorph for many other hyphomycete entomopathogens with teleomorphs classified in the Clavicipitaceae (Pyrenomycetes: Clavicipitaceae).

- 568 RS Soper (81225-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 25 Feb 1981. Indonesia: Salek I Village, Muba District, Sumatera Selatan, Sumatra.
- 970 [GCRI 45-81] RA Hall. *Abacarus hystrix* [Acari: Eriophyidae]. Acc'd 17 Oct 1983. United Kingdom: England.
- 1096 [ARSEF ?1256; IRR1 4A] RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 17 Oct 1983. Philippines: IRR1, Los Baños, Manila.
- 1551 MC Rombach (H.sep.) ← AT Barrion. *Sepedon spegeus* [Diptera: Sciomyzidae] on rice. 21 Jun 1984. Philippines: Brooke's Point region, Palawan.
- 1625 SG Wraight and SP Wraight. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1668 MS McClure. *Nuculaspis tsugae* [Hemiptera: Diaspididae] on *Tsuga sieboldii*. 17 May 1984. Japan: 1200 m, Mt. Odai-ga-hara, Nara Prefecture.
- 2208 MC Rombach (030786-2) ← AT Barrion. *Cyrtorhinus lividipennis* [Hemiptera: Miridae] on rice leaf. 1 Jul 1986. Philippines: nr. Bo. Looc, Villanueva, Misamis Oriental.
- 2209 MC Rombach (070786-5). *Cyrtorhinus lividipennis* [Hemiptera: Miridae] on rice leaf. 7 Jul 1986. Philippines: nr. Bo. Looc, Villanueva, Misamis Oriental.
- 2581 DD Strongman (1). [Lepidoptera]. Acc'd 9 Aug 1988. Canada.
- 2644 [CNPAF 88-07-16-4; CP 256] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2645 [CNPAF 88-07-16-5; CP 257] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2646 [CNPAF 88-07-16-6; CP 258] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2647 [CNPAF 88-07-16-7; CP 259] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2648 [CNPAF 88-07-16-9; CP 260] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2649 [ARSEF 2992; CNPAF 88-07-16-10; CP 261] DW Roberts ← EC de Moura (H-10), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2650 [ARSEF 2993; CNPAF 88-07-16-11; CP 262] DW Roberts ← EC de Moura (H-11), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2651 [CNPAF 88-07-16-12; CP 263] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2652 [CNPAF 88-07-16-13; CP 264] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2653 [CNPAF 88-07-16-14; CP 265] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2654 [CNPAF 88-07-16-15; CP 266] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2655 [CNPAF 88-07-16-16; CP 267] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2656 [CNPAF 88-07-16-17; CP 268] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2657 [CNPAF 88-07-16-18; CP 269] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 2795 BA Jaffee (Hr79a). [Acari]. 3 Jul 1989. USA: Yolo County, California.
- 2796 BA Jaffee (Hr79b). [Acari]. 3 Jul 1989. USA: Yolo County, California.
- 2797 BA Jaffee (Hr79c). [Acari]. 3 Jul 1989. USA: Yolo County, California.
- 2798 BA Jaffee (Hr79d). [Acari]. 3 Jul 1989. USA: Yolo County, California.
- 2799 [IMI 307969] BA Jaffee (Hr58). [Collembola]. 10 Jun 1986. USA: Livingston, California.
- 2801 BA Jaffee (Hr63). [Acari]. 24 Sep 1986. USA: Livingston, California.
- 2802 BA Jaffee (Hr65). [Acari]. 8 Nov 1986. USA: Livingston, California.

- 2803 BA Jaffee (H69). [Acari]. 22 Apr 1988. USA: Livingston, California.
- 2939 M Skinner (Ch, BG and 60(5WM)) ← JF Yuill. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Sep 1989. USA: Buel's Grove, Chittenden County, Vermont.
- 2940 M Skinner (Ch, BG and 61(8WM)) ← JF Yuill. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Sep 1989. USA: Buel's Grove, Chittenden County, Vermont.
- 2992 [ARSEF 2649; CNPAF 88-07-16-10; CP 261] L Allee ← EC de Moura (H-10), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.
- 3266 M Brownbridge (P). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Hamden, Connecticut.
- 3318 M Brownbridge (Perry 1). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.
- 3546 M Brownbridge (R-4). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Laggis' sugar maple stand, Caledonia County, Vermont.
- 3548 M Brownbridge (R-9). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Perry's sugar maple stand, Orange County, Vermont.
- 3553 M Brownbridge (R-15). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Rowe's sugar maple stand, Caledonia County, Vermont.
- 4193 LA Lacey (94023). *Thrips palmi* [Thysanoptera: Thripidae]. Rec'd 12 May 1994. Trinidad and Tobago.
- 4511 [IIBC IMI337439] HC Evans (IMI337439) ← C Prior. [Hemiptera]. 1990. Trinidad.
- 4513 [IIBC I88-370] HC Evans (I88-370). *Liothrips mikaniae* [Thysanoptera: Phlaeothripidae] Mikania micrantha. Feb 1988. Trinidad.
- 4514 [IIBC I88-399] HC Evans (I88-399). *Liothrips mikaniae* [Thysanoptera: Phlaeothripidae] Mikania micrantha. Jul 1988. Trinidad.
- 4515 [IIBC I88-375] HC Evans (I88-375). *Lydda* sp. [Hemiptera: Derbidae] Coconut. Feb 1988. Tanzania.
- 4776 [DAT 503] AC Rath (F503) ← U Gerson (CAB252317). Host not specified. 7 Jun 1993. Israel.
- 7346 M Liu. 11 Aug 2003. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67386.
- 7578 RM Pereira (SiCMAVE 4-Cell). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. 25 Nov 2003. USA: USDA ARS CMAVE, Gainesville, Florida.
- 8378 AV Toledo. Adult, *Oliarus dimidiatus* [Hemiptera: Cixiidae] on *Amaranthus quitensis* Kunth bordering rice field. 14 Feb 2007. Argentina: Los Hornos, Buenos Aires.
- 8722 Acc'd May 2008.
- 8999 M Pava-Ripoll (HMG). *Abacarus hystrix* [Acari: Eriophyidae]. 3 Apr 2009. USA: University of Maryland Plant Research Farm USGS, Beltsville, Maryland.
- 9605 H Cortez Madrigal. *Diaphorina citri* [Hemiptera: Psyllidae]. Rec'd 5 Mar 2010. Mexico: Mérida, Yucatán.
- 9606 H Cortez Madrigal (3). *Diaphorina citri* [Hemiptera: Psyllidae] on *Murraya paniculata* (L.) Jack, limonaria. Rec'd 5 Mar 2010. Mexico: Mérida, Yucatán.
- 11755 A Guzman-Franco (15(3)) ← N Orduño Cruz. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 27 Oct 2011. Mexico: Champotón, Campeche.
- 11756 A Guzman-Franco (15(11)) ← N Orduño Cruz. Unidentified parasitoid on *Citrus sinensis* var. Valencia. 27 Oct 2011. Mexico: Champotón, Campeche.
- 11757 A Guzman-Franco (15(6)) ← N Orduño Cruz. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 27 Oct 2011. Mexico: Champotón, Campeche.
- 11758 A Guzman-Franco (31(8)) ← N Orduño Cruz. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 25 Oct 2011. Mexico: Dzan, Yucatán.
- 11759 A Guzman-Franco (27(6)) ← N Orduño Cruz. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 25 Oct 2011. Mexico: Dzan, Yucatán.
- 11760 A Guzman-Franco (y(1)) ← H Cortez Madrigal. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 11 Jun 2011. Mexico: Dzan, Yucatán.
- 11761 A Guzman-Franco (p(9)) ← H Cortez Madrigal. *Diaphorina citri* [Hemiptera: Psyllidae] on *Citrus sinensis* var. Valencia. 14 Jun 2011. Mexico: Othón P. Blanco, Quintana Roo.
- 12852 [IP 416] Isolated from soil sample using *Rhodnius prolixus* Stål [Hemiptera: Reduviidae] as bait. 11 May 2014. RPPN SB, riverine woodland. **RESTRICTED ACCESS:** contact Curator.
- 12853 [IP 417] Isolated from soil sample using *Aedes aegypti* L. [Diptera: Culicidae] adult as bait. 11 May 2014. RPPN SB, riverine woodland. **RESTRICTED ACCESS:** contact Curator.

Hirsutella bogoriensis (nom. prov.)

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Provisional name for unpublished new species.

- 2187 MC Rombach (220386-1). 22 Mar 1986. Republic of Korea.

Hirsutella brownorum Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

3509 P Timper. [Acari] in soil. Rec'd 13 Dec 1991. USA:
nr. Portageville, Wyoming County, New York.

Hirsutella citriformis Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 490 RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 532 DW Roberts (82180-2a). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Aug 1980. Indonesia: Tanjungkarang, Lampung, Sumatra.
- 591 RS Soper (81226-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 26 Feb 1981. Indonesia: Bantul District, Yogyakarta, Java.
- 684 DW Roberts (102981-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1981. Philippines: Los Baños, Manila.
- 1035 [ARSEF 1446] CBS (418.82). *Myndus crudus* [Hemiptera: Cixiidae]. 1979. USA: Fort Pierce, Florida.
- 1036 CBS (912.70) ← E Müller-Kögler ← SL Valencia. *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. Nov 1970. Philippines: IRRRI, Los Baños, Manila.
- 1062 [IRRI 10B] RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Oct 1983. Philippines: IRRRI, Los Baños, Manila.
- 1063 [IRRI 10A] RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Oct 1983. Philippines: IRRRI, Los Baños, Manila.
- 1064 [IRRI GA] RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Oct 1983. Philippines: IRRRI, Los Baños, Manila.
- 1243 [IRRI 1A] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1244 [IRRI 1B] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1245 [IRRI 1C] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1246 [IRRI 2D] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1249 [IRRI 2J] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1251 [IRRI 3C(2)] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.

- 1252 [IRRI 3F] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1253 [IRRI 3G] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1254 [IRRI 4B(a)] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1255 [IRRI 4B] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1256 [ARSEF ?1096; IRRRI 4A] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1257 [IRRI 4C] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1258 [IRRI 5B] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1259 [IRRI 5C] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Rec'd Mar 1984. Philippines.
- 1436 MC Rombach (10B). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 1984. Philippines: IRRRI field, Los Baños, Manila.
- 1446 [ARSEF 1035; CBS 418.82] MC Rombach. *Myndus crudus* [Hemiptera: Cixiidae]. 1979. USA: Fort Pierce, Florida.
- 1549 MC Rombach (H.min.) ← BM Shepard. *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. Jun 1984. Philippines: Mindanao.
- 1550 MC Rombach (H.Pal.). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. Jun 1984. Philippines: Brooke's Point region, Palawan.
- 1837 DW Roberts (H.citrif) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 2 Nov 1984. Sri Lanka: greenhouse colony, Central Agricultural Research Institution, Gannoruwa (Peradeniya).
- 1913 DW Roberts (040485-6). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 4 Apr 1985. Solomon Islands: nr. Honiara, Guadalcanal.
- 1917 DG Holdom (10). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.
- 1918 DG Holdom (11). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.
- 1919 DG Holdom (12). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.
- 2099 DG Holdom (280186-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

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- 2100 DG Holdom (280186-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2101 DG Holdom (280186-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2102 DG Holdom (280186-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2103 DG Holdom (280186-5). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2346 [ARSEF 2388 (never frozen)] MC Rombach (111286-4). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. 11 Dec 1986. Indonesia: nr. Klaten, Jawa Tengah, Java.
- 2347 [ARSEF 2389 (never frozen)] MC Rombach (181286-1B). *Heteropsylla cubana* [Hemiptera: Psyllidae]. 18 Dec 1986. Philippines: Leyte.
- 2420 DG Holdom (050187-1) ← D Djuriadi. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.
- 2422 DG Holdom (310187-4) ← D Djuriadi. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 31 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.
- 2423 DG Holdom (310187-5) ← D Djuriadi. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 31 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.
- 2426 DG Holdom (080287-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 8 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2428 DG Holdom (170287-1). Nymph, [Hemiptera: Delphacidae]. 17 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2598 MC Rombach ← LT Villacarlos. *Heteropsylla cubana* [Hemiptera: Psyllidae]. 1987. Philippines: Visayas, Leyte.
- 8315 JM Meyer. Adult, *Diaphorina citri* [Hemiptera: Psyllidae] on orange and grapefruit trees. Oct 2005. USA: Polk County, Florida.
- 8677 AV Toledo (HC063). Adult, *Heteroecaecilius* sp. [Psocoptera: Pseudocaeciliidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS: contact Curator.**
- 8678 AV Toledo (HC064). Adult, *Heteroecaecilius* sp. [Psocoptera: Pseudocaeciliidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS: contact Curator.**
- 8679 AV Toledo (HC065). Nymph, *Ectopsocus* sp. [Psocoptera: Ectopsocidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS: contact Curator.**
- 9180 DG Boucias. Adult, *Diaphorina citri* [Hemiptera: Psyllidae]. Jul 2008. USA: Immokalee, Florida.
- 11665 DG Boucias (UF1HcDc03). *Diaphorina citri* [Hemiptera: Psyllidae]. 2007. USA: Collier County, Florida.
- 12632 Acc'd 20 Jul 2015.
- 12633 Acc'd 20 Jul 2015.
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- Hirsutella cryptosclerotium*** Fernández-García, HC Evans & Samson
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 4517 [IIBC I91-602] HC Evans (I91-602). *Rastrococcus invadens* [Hemiptera: Pseudococcidae]. Mar 1991. Togo.
-
- Hirsutella fusiformis*** Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 5474 [ATCC 32804; CBS 205.33] *Brachyderes incanus* [Coleoptera: Curculionidae]. Rec'd 13 May 1997. Netherlands.
-
- Hirsutella gigantea*** Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 30 RS Soper ← DE Leonard. [Hymenoptera: Pamphiliidae]. 24 Jun 1974. USA: Vanceboro, Maine.
-
- Hirsutella guyana*** Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 878 [CNPAF 83-04-13-2L; CP 108] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.
- 879 [CNPAF 83-04-13-2P; CP 109] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.
- 881 [CNPAF 83-04-13-2M; CP 111] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.
- 882 [CNPAF 83-04-13-Q; CP 112] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.
- 883 [CNPAF 83-04-21-1J; CP 113] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 21 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.

- 2352 [ARSEF 2387] MC Rombach (201286-2). [Hemiptera: Cicadellidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 2387 [ARSEF 2352] MC Rombach (201286-2). [Hemiptera: Cicadellidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 2993 [ARSEF 2650; CNPAF 88-07-16-11; CP 262] L Allee ← EC de Moura (H-11), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

Hirsutella haptospora Balazy & Wisniewski
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 2226 S Balazy (1765). [Acari: Uropodina] in an ant hill. Acc'd 4 Sep 1986. Poland: Jarocin, Kalisz.

Hirsutella homalodiscae
[Sordariomycetes: Hypocreales]

- 10228 DG Boucias. Rec'd 21 Sep 2010.
10229 DG Boucias. Rec'd 21 Sep 2010.

Hirsutella homalodiscae(?)
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 10133 [ERL 1793] S Gouli (Thr.-10-32) and V Gouli. Isolated from small invertebrate collected from soil. 2010. USA: Orford, New Hampshire.
- 10134 [ERL 1794] S Gouli and V Gouli (Thr.-10-33). Isolated from small invertebrate collected from soil. 2010. USA: Westfield, Vermont.

Hirsutella illustris Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 5539 I Rong (PPRI 6407). *Eriosoma lanigerum* [Hemiptera: Aphididae] associated with the roots of apple trees. 22 Jul 1997. South Africa: Maltino, Western Cape Province.

Hirsutella kirchneri (Rostrup) Minter, Brady & Hall
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 5550 [IMI 257456] [Acari] on *Lolium perenne* ex IMI 252317. 1981. United Kingdom.
- 5551 [IMI 251526] *Abacarus hystrix* [Acari: Eriophyidae] on *Lolium perenne*. 1981. United Kingdom.

Hirsutella lecanicola (Jaap) Petch
[Sordariomycetes: Hypocreales]

- 8888 [ERL 1537] S Gouli (LS-07a) and M Skinner. *Parthenolecanium corni* [Hemiptera: Coccidae]. 2007. USA: Vermont.

Hirsutella liboensis X Zou, AY Liu & ZQ Liang
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 9603 X Zou (10). [Lepidoptera: Cossidae]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

Hirsutella longicolla var. *cornuta* Strongman,
Eveleigh & Royama
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 177 [FPMI 755] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 10 May 1977. USA: Lincoln, Maine.
- 178 [FPMI 756] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. May 1977. USA: Greenville, Maine.

Hirsutella minnesotensis Sen Y Chen, Zing Z Liu & FJ Chen
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 7288 X Liu (J2-54-1). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS: consult Curator.**
- 7289 X Liu (J1-55-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS: consult Curator.**
- 7290 X Liu (J1-55-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS: consult Curator.**
- 7291 X Liu (J2-55-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS: consult Curator.**
- 7294 X Liu (J1-82-5). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS: consult Curator.**

Hirsutella myrmicarum Groden & DR Simmons
[Sordariomycetes: Hypocreales]

- 11864 E Groden (HIRS45) and DR Simmons. *Myrmica rubra* [Hymenoptera: Formicidae]. 10 Aug 2010. USA: Acadia National Park, Mount Desert Island, Maine. Sequence data: GenBank.

Hirsutella necatrix Minter, Brady & Hall
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

- 5549 [IMI 252317] [Acari] on *Lolium perenne*. 1981. United Kingdom.

Hirsutella nodulosa Petch

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 5473 EA Eliason (P10E). Larva, *Dioryctria zimmermani* [Lepidoptera: Pyralidae]. Rec'd 28 Aug 1995. USA: Kalamazoo, Michigan.

Hirsutella* nr. *haptospora

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 1362 S Balazy (1613b). Rec'd 19 May 1984. Poland.
1363 S Balazy (1613c). Rec'd 19 May 1984. Poland.
1364 S Balazy (1613d). Rec'd 19 May 1984. Poland.
2228 S Balazy (1770). [Diptera: Itonididae] under pine bark. Acc'd 4 Sep 1986. Poland: District Forest, Sierakow, Pniewy.

Hirsutella radiata Petch

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 1369 S Balazy (1441). [Diptera: ?Lauxaniidae] on stem of *Urtica Dioica* in a deciduous forest. 1 Sep 1981. Poland: Wielkopolski National Park.

Hirsutella repens (nom. prov.)

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Provisional name for unpublished new species.

- 2348 [ARSEF 2359, 2394] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Aug 1986. Republic of Korea.
2359 [ARSEF 2348, 2394] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Aug 1986. Republic of Korea.
2394 [ARSEF 2348, 2359] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Aug 1986. Republic of Korea.

Hirsutella rhossiliensis Minter & Brady

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Hirsutella heteroderae* Sturhan & Schneider

- 2006 [UAMH 5977] BA Jaffee (Hr31). *Criconemella xenoplax* [Tylenchida: Criconematidae]. 25 Oct 1983. USA: Erie County, Pennsylvania.
2007 BA Jaffee (Hr42). *Criconemella curvata* [Tylenchida: Criconematidae]. 11 Mar 1984. USA: Adams County, Pennsylvania.
2008 BA Jaffee (Hr43). *Criconemella xenoplax* [Tylenchida: Criconematidae]. 12 Apr 1984. USA: Adams County, Pennsylvania.
2788 BA Jaffee (Hr72). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 12 Jun 1989. USA: San Joaquin County, California.
2789 BA Jaffee (Hr73). Male, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 12 Jun 1989. USA: San Joaquin County, California.
2790 [CBS 567.92] BA Jaffee (Hr74). Male, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.
2791 BA Jaffee (Hr75). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.
2792 BA Jaffee (Hr76). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.
2793 BA Jaffee (Hr77). Phylum Nemata, Class Secernentea. 19 Jun 1989. USA: Solano County, California.
2794 BA Jaffee (Hr78). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.
2894 CBS (216.78) ← R Schneider. *Heterodera humuli* [Tylenchida: Heteroderidae]. Acc'd 21 Nov 1989. Germany. CULTURE EX TYPE of *Hirsutella heteroderae*.
2931 BA Jaffee (Hr80). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field; grower = Watanabi, San Joaquin County, California.
2932 BA Jaffee (Hr81). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field; grower = Norman, San Joaquin County, California.
2933 BA Jaffee (Hr82). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field # 5, Solano County, California.
3207 P Timper (C3). Phylum Nemata, Class Secernentea. 20 Oct 1991. USA: Wyoming County, New York.
3744 BA Jaffee (Hr 31). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Oct 1983. USA: Pennsylvania.
3745 BA Jaffee (Hr 41). *Hoplolaimus galeatus*. Mar 1992. USA: Pennsylvania.
3746 BA Jaffee (Hr 43). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Apr 1992. USA: Pennsylvania.
3747 E Tedford (Hr 53). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Rec'd Winter 1993. USA: Merced County, California.
3748 BA Jaffee (Hr 54). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Mar 1986. USA: San Joaquin County, California.
3750 BA Jaffee (Hr 61). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Jun 1986. USA: Merced County, California.
3751 BA Jaffee (Hr63). Phylum Arthropoda, Class Insecta. Sep 1986. USA: Merced County, California.
3752 BA Jaffee (Hr 65). Phylum Arthropoda, Class Insecta. Nov 1986. USA: Merced County, California.

- 3753 BA Jaffee (Hr 67). Sep 1987. USA: Merced County, California.
- 3754 BA Jaffee (Hr 68). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Oct 1987. USA: Merced County, California.
- 3755 BA Jaffee (Hr 85). *Rotylenchus robusta* [Tylenchida: Hoplolaimidae]. Apr 1990. USA: San Mateo County, California.
- 3756 BA Jaffee (Hr 88) or (Hr 88). *Rotylenchus robusta* [Tylenchida: Hoplolaimidae]. Apr 1990. USA: San Mateo County, California.
- 3757 BA Jaffee (Hr 90). *Rotylenchus robusta* [Tylenchida: Hoplolaimidae]. Apr 1990. USA: San Mateo County, California.
- 3758 BA Jaffee (Hr 92). *Rotylenchus robusta* [Tylenchida: Hoplolaimidae]. Apr 1990. USA: San Mateo County, California.
- 3759 BA Jaffee (Hr 95). *Rotylenchus robusta* [Tylenchida: Hoplolaimidae]. Apr 1990. USA: San Mateo County, California.
- 3760 BA Jaffee (Hr 97). Feb 1991. Sweden.
- 3761 BA Jaffee (Hr 113). *Heterodera schachtii* [Tylenchida: Heteroderidae]. Nov 1991. USA: Yolo County, California.
- 3765 BA Jaffee (Hr99) ← P Timper. Feb 1991. USA: Wyoming County, New York.
- 3879 E Tedford (Hr56). Rec'd Winter 1993. Australia.
- 4942 BA Jaffee (HR156). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1995. Laboratory manipulation.
- 7286 X Liu (J2-1-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Shanxi Province. **RESTRICTED ACCESS: consult Curator.**
- 7287 X Liu (J1-2-1). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Shanxi Province. **RESTRICTED ACCESS: consult Curator.**
- 7292 X Liu (J2-82-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS: consult Curator.**
- 7293 X Liu (J1-82-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS: consult Curator.**
- 7295 X Liu (J1-82-7). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS: consult Curator.**
- 11820 [ERL 2034] S Gouli (THR-11-23) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Langdon, New Hampshire.
- Hirsutella satumaensis* Aoki
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
- 996 J Aoki (Hir. 1) ← K Katagiri ← T Kushida. *Dioryctria sylvestrella* [Lepidoptera: Pyralidae]. May 1969. Japan: Hachioji, Tokyo Prefecture.
- Hirsutella sinensis* X Liu, YL Guo, YX Yu & W Zeng
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Possible anamorphic state of *Ophiocordyceps sinensis* (Berkeley) GH Sung, JM Sung, Hywel-Jones & Spatafora [= *Cordyceps sinensis* (Berkeley) Saccardo]
- 6282 [RCEF 0273] Larva, [Lepidoptera: Hepialidae]. Rec'd 24 Aug 1999. PR China: Qinghan.
- Hirsutella strigosa* Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
- 2044 [UAMH 5978] MC Rombach (071185-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 7 Nov 1985. Philippines: greenhouse colony, IRRI, Los Baños, Manila.
- 2197 MC Rombach (090686-1). *Nephotettix virescens* [Hemiptera: Cicadellidae]. 9 Jun 1986. Philippines: IRRI field, Los Baños, Manila.
- Hirsutella subulata* Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
- 2227 S Balazy (1809) ← RT Mietkiewski. [Lepidoptera: Microlepidoptea]. Acc'd 4 Sep 1986. Poland: Siedlce.
- Hirsutella thompsonii* Fisher
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. The separation of *H. thompsonii* into two varieties based on whether synnemata may or may not form in culture is unreliable and probably artificial. Some strains included may form synnemata but do not do so consistently; these strains could be recognized as *Hirsutella thompsonii* var. *synnematos* Samson, McCoy & O'Donnell if accepting this variety as a legitimate taxon.
- 137 [ATCC 24874; CBS 952.73] CW McCoy (Fla. 68). *Phyllocoptruta oleivora* [Acari: Eriophyidae]. 1970. USA: Orlando, Florida.
- 241 [CBS 556.77B] CW McCoy. *Phyllocoptruta oleivora* [Acari: Eriophyidae] on citrus. 1972. USA: Lake Alfred, Florida.
- 253 [CBS 556.77C] CW McCoy. *Phyllocoptruta oleivora* [Acari: Eriophyidae] on citrus. 1975. USA: Lake Alfred, Florida.
- 255 [ARSEF 2459; ATCC 3010; CBS 556.77A] CW McCoy ← CM Searle. *Eriophyes sheldoni* [Acari: Eriophyidae] on citrus. 1970. Zimbabwe: Mazoe.
- 256 [CBS 450.78] CW McCoy ← RA Hall. *Eriophyes guerreronis* [Acari: Eriophyidae] on coconut. 1978. Jamaica.

- 257 [CBS 451.78] CW McCoy ← RA Hall. *Eriophyes guerreronis* [Acari: Eriophyidae] on coconut. Mar 1978. Ivory Coast.
- 258 [ARSEF 414; CBS 452.78] CW McCoy ← RA Hall. *Colomerus novaehbridensis* [Acari: Eriophyidae] on coconut. May 1978. Papua New Guinea: New Britain.
- 259 [CBS 556.77D] CW McCoy ← B Villalon. *Phyllocoptruta oleivora* [Acari: Eriophyidae] on citrus. 1972. USA: Weslaco, Texas.
- 414 [ARSEF 258; CBS 452.78] RA Hall. *Colomerus novaehbridensis* [Acari: Eriophyidae] on coconuts. May 1978. Papua New Guinea: New Britain.
- 1947 MC Rombach. [Acari: Tarsonemidae] on beans. Jul 1985. Philippines: Palawan. This strain may produce synnemata in vitro.
- 2012 [ARSEF 2464] CIRPON ← DR Sosa-Gómez. *Phyllocoptruta oleivora* [Acari: Eriophyidae]. 1984. Argentina: Tucumán.
- 2459 [ARSEF 255] TJ Poprawski (8703) ← AJ Nasca (Ht-R). *Eriophyes sheldoni* [Acari: Eriophyidae]. Acc'd 23 Oct 1987. Zimbabwe. This strain may produce synnemata in vitro.
- 2464 [ARSEF 2012] TJ Poprawski (8704) ← AJ Nasca (Ht-T1). *Phyllocoptruta oleivora* [Acari: Eriophyidae]. 1983. Argentina: Tucumán.
- 2800 BA Jaffee (H59). [Acari]. 10 Jun 1986. USA: Livingston, California.
- 3323 R Ochoa and TG Zoebisch ← A Gamboa. *Dolichotetranychus floridanus* [Acari: Tenuipalpidae] on pineapple (*Ananas cosmosus* (L.) Mell.). Rec'd 30 Apr 1991. Costa Rica: PINDECO (Del Monte pineapple industry), Buenos Aires, Puntarenas.
- 3482 TG Zoebisch. Rec'd 28 Oct 1991. Location not specified.
- 6633 SB Alves (ESALQ 1221). *Calacarus heveae* [Acari: Eriophyidae]. 17 Aug 1998. Brazil: Piracicaba, São Paulo.
- 9457 [SRCAMB B-223] V Likhovidov ← BA Borisov. *Tetranychus* sp. [Acari: Tetranychidae]. 1995. Ukraine: environs of Kherson, Kherson Oblast. Field Collection Number F-920.
- 11819 [ERL 2033] S Gouli and V Gouli (THR-11-22). [Coleoptera: Carabidae]. 2011. USA: Underhill, Vermont.
- Hirsutella thompsonii* var. *synnematos*** Samson, McCoy & O'Donnell
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 5412 SK Dara. *Mononychellus tanajoa* [Acari: Tetranychidae]. Rec'd 11 Dec 1996. Benin: Adjohoun.
- Hirsutella thompsonii* var. *vinacea*** Samson, McCoy & O'Donnell
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 254 [CBS 555.77] CW McCoy ← JR Baker. *Acalitus vaccinii* [Acari: Eriophyidae] on blueberry. 1967. USA: Raleigh, North Carolina. CULTURE EX TYPE.
- Hirsutella versicolor*** Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 1034 [ARSEF 1557 (deaccessioned)] CBS (422.82) ← HC Evans. [Hemiptera: Membracidae] on forest herb. Jul 1982. Brazil: Jari-Monte Dourado, Pará.
- 1037 CBS (423.82) ← HC Evans. [Hemiptera: Membracidae] on cacao leaf together with *Torrubiella pruinosa*. Jul 1982. Brazil: Ouro Preto do Oeste, Rondônia.
- 4512 [IIBC 186-280] HC Evans (186-280). *Idiocerus nitidulus* [Hemiptera: Cicadellidae]. 1990. Malaysia.
- Hirsutella verticillioides*** Charles
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 2599 MC Rombach (190688-1) ← AT Barrion. *Idioscopus clypealis* [Hemiptera: Cicadellidae] on Indian mango, *Mangifera indica* L. Acc'd 12 Sep 1988. Philippines: Umali Subdivision, Los Baños, Manila.
- Humicola* sp.**
[Hyphomycetes]
-
- 2069 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.
- Hymenostilbe sphecophila*** (Ditmar) Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 6292 [RCEF 0269] [Hymenoptera]. 11 Sep 1996. PR China: Anhui.
- Hymenostilbe verrucosa*** Mains
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
-
- 2002 M Shimazu. [Araneida]. 16 Jul 1985. USA: Allegany State Park, Salamanca, New York.
- Hyperdermium* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae
-
- 7655 P Chaverri (PC 611). 2004. Bolivia: Madidi National Park, Departamento La Paz.

Hyphochytrium catenoides Karling
[Hyphochytriomycetes: Hyphochytriales]
Hyphochytriaceae

6259 MJ Powell. Rec'd 8 Sep 1999.

Hypocrea rufa (Persoon) Fries
[Sordariomycetes: Hypocreales]
Hypocreaceae

7710 P Chaverri (PC 497). 7 Jan 2004.

Hypocrella sp.
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7664 P Chaverri ← HC Evans (I93-902). 1993. Ivory Coast.

7705 P Chaverri (PC 415). 8 Dec 2003. Honduras: trail to the top of the mountain, Reserva Biologica Monte Uyuca, Dpto. Francisco Morazán.

Hypocrella africana Hywel-Jones & Samuels
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7696 P Chaverri ← GJ Samuels (Afr 33). Rec'd 14 Sep 2004. Ghana.

Hypocrella amazonica Hennings
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7667 P Chaverri ← HC Evans (I94-920). 1994. Guatemala.

7669 P Chaverri ← HC Evans (I94-922c). 1994. Belize.

7680 [IMI 362301] P Chaverri ← HC Evans (I93-805). 1993. Guyana.

Hypocrella andropogonis (Hennings) Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7396 M Liu (ml201-2W). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico.

7397 M Liu (ml201-2G). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Cultured from asci. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4438.

Hypocrella discoidea (Berkeley & Broome) Saccardo
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7663 P Chaverri ← HC Evans (I93-901d). 1993. Ivory Coast.

7668 P Chaverri ← HC Evans (I95-901d). 1995. Ivory Coast.

7681 [BCC 2097] P Chaverri. [Hemiptera: Coccoidea]. Rec'd Mar 2005. Thailand: Northeastern Thailand.

Hypocrella javanica (Penzig & Saccardo) Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7605 [BCC 2339] [Hemiptera: Coccoidea] underside of dicot leaf. Rec'd 20 Sep 2004. Thailand: Northern Thailand.

Hypocrella macrostroma Chaverri & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7748 P Chaverri ← JF Bischoff (JB 115). 2002. Costa Rica: Sarapiquí, Heredia.

Hypocrella panamensis Torres, White & Bischoff
[Sordariomycetes: Hypocreales]
Clavicipitaceae

8361 MS Torres ← JF Bischoff and JF White Jr. [Hemiptera: Coccoidea] on *Piper carrilloanum* C. DC. Aug 2003. Panama: Lutz Creek, Barro Colorado Island. CULTURE EX TYPE.

Hypocrella phyllogena (Montagne) Spegazzini
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7401 M Liu (ml202-3). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico. Cultured from asci.

7752 Rec'd 14 Sep 2004.

Hypocrella raciborskii Zimmermann
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7606 [BCC 1487] [Hemiptera: Coccoidea]. Rec'd 20 Sep 2004. Thailand: Northeastern Thailand.

Isaria sp.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

55 Acc'd 18 Nov 1982. India.

9508 [SRCAMB B-183] V Likhovidov ← BA Borisov. [Diptera: Tipulidae]. 1999. Ukraine: Kherson Oblast. Field Collection Number F-1063.

9517 [SRCAMB B-298] V Likhovidov ← BA Borisov. [Hemiptera: Psyllidae]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-331.

9518 [SRCAMB B-293/2] V Likhovidov ← BA Borisov. Isolated from stroma of *Cordyceps* sp8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-600.

9519 [SRCAMB VL-1914/1] V Likhovidov. Larva, [Coleoptera]. 22 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-853.

10162 [ERL 1822] S Gouli (Thr.-10-24) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Sharon Springs, New York.

- 10360 [ERL 558] BL Parker and M Skinner (SP-567). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10363 [ERL 390] BL Parker and M Skinner (SP-473). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10364 [ERL 391] BL Parker (SP-475) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10365 [ERL 392] BL Parker and M Skinner (SP-484). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10366 [ERL 393] BL Parker (SP-486) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10367 [ERL 394] BL Parker and M Skinner (SP-487). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10368 [ERL 395] BL Parker (SP-509) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10369 [ERL 396] BL Parker and M Skinner (SP-514). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10370 [ERL 397] BL Parker (SP-515) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10371 [ERL 398] BL Parker (SP-516) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10372 [ERL 399] BL Parker and M Skinner (SP-517). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10373 [ERL 400] BL Parker (SP-518) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10374 [ERL 401] BL Parker and M Skinner (SP-520). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10375 [ERL 402] BL Parker (SP-569) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10376 [ERL 403] BL Parker and M Skinner (SP-570). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10377 [ERL 404] BL Parker (SP-587) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10378 [ERL 527] BL Parker (SP-456) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2000. Republic of Kazakhstan.
- 10379 [ERL 540] BL Parker (SP-501) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10380 [ERL 548] BL Parker and M Skinner (SP-523b). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10381 [ERL 549] BL Parker (SP-531) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10382 [ERL 554] BL Parker and M Skinner (SP-555). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10383 [ERL 556] BL Parker (SP-564) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10384 [ERL 561] BL Parker and M Skinner (SP-572). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 10385 [ERL 571] BL Parker (SP-588) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11628 [ERL 606] S Gouli and V Gouli (CA-701). Isolated from soil sample. 2002. USA: California.
- 11629 [ERL 48] M Brownbridge (L3741). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 1992. USA: Vermont.
- 11630 [ERL 143] S Gouli (HWA2) and W Reid. *Adelges tsugae* [Hemiptera: Adelgidae]. 1997. USA: Massachusetts.
- 11631 [ERL 546] BL Parker (SP-522) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11632 [ERL 555] BL Parker (SP-560) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11633 [ERL 559] BL Parker (SP-568) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11634 [ERL 560] BL Parker (SP-571) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
- 11635 [ERL 564] BL Parker (SP-583) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.
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Isaria sp.*Isaria coleopterorum*

Fungal Cultures

12941 ST Jaronski (14WS27). *Cephus cinctus* [Hymenoptera: Cephidae]. Winter 2014. USA: MSU Wheat Variety Plots, Conrad, Montana. Site ID # S3. N 48.075547, W 110.45955.

Isaria amoenerosea P. Hennings

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Paecilomyces amoeneroseus* (Hennings) Samson. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*.

741 [CNPAF 82-1-15-06; CP 19] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

744 [CNPAF 82-2-15-05; CP 26] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

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4849 JM Sung (C-321). Adult, [Coleoptera: Meloidae]. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwondo.

Isaria andoi Shimazu & Humber (sp. nov., unpublished)

[Sordariomycetes: Hypocreales]

Cordycipitaceae

1684 [CBS 118466] M Shimazu (F-430(4)) ← S Ando. *Resseliella odai* [Diptera: Cecidomyiidae]. 6 Dec 1982. Japan: Nakatsue, Oita Prefecture. CULTURE EX TYPE.

Isaria cateniannulata (ZQ Liang) Samson & Hywel-

Jones

[Sordariomycetes: Hypocreales]

Cordycipitaceae

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6241 [RCEF 0464] [Coleoptera: Curculionidae]. 8 Jul 1998. PR China: Anhui.

6242 [RCEF 0507] *Lymantria dissoluta* [Lepidoptera: Lymantriidae]. 27 Jan 1999. PR China: Anhui.

6243 [RCEF 0516] *Brachyderes incanus* [Coleoptera: Curculionidae]. 27 Jan 1999. PR China: Anhui.

8310 B Huang (G-S-2). Acc'd 25 Jan 2007. USA: Great Smoky Mountains National Park, Tennessee.

9601 X Zou (8). Larva, [Lepidoptera]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

11722 T Wen (CC113). Pupa, [Lepidoptera]. 2006. PR China: Wawu Mountain, Sichuan Province.

Isaria cateniannulata(?) (ZQ Liang) Samson &

Hywel-Jones

[Sordariomycetes: Hypocreales]

Cordycipitaceae

12166 I Erper (TR-55-4). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.

Isaria cateniobliqua (ZQ Liang) Samson & Hywel-

Jones

[Sordariomycetes: Hypocreales]

Cordycipitaceae

6244 [RCEF 0189] Adult, [Coleoptera]. Rec'd 24 Aug 1999. PR China: Anhui.

6283 [RCEF 0190] [Orthoptera: Acridoidea]. 26 Jul 1997. PR China: Anhui.

Isaria cicadae Miq.

[Sordariomycetes: Hypocreales]

Cordycipitaceae

11726 T Wen (09QL). Larva, [Lepidoptera]. 2009. PR China: Guiyang City, Guizhou Province.

Isaria cicadae(?) Miq.

[Sordariomycetes: Hypocreales]

Cordycipitaceae

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Isaria coleopterorum (Samson & HC Evans) Samson

& Hywel-Jones

[Sordariomycetes: Hypocreales]

Cordycipitaceae

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10163 [ERL 1823] S Gouli and V Gouli (Thr.-10-25). [Diptera: Tipulidae]. 2010. USA: Rupert, Vermont.

- Isaria farinosa* (Holmsk.) Fries
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces farinosus* (Holmsk. ex Gray) Brown & Smith. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*. Teleomorph: *Cordyceps memorabilis* Ces.
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- 38 *Leucoma salicis* [Lepidoptera: Lymantriidae]. 6 Dec 1974. Location not specified.
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- 476 C Bajan. Rec'd May 1980. Poland.
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- 1111 KV Deseö (32A) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Modena, Emilia-Romagna.
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- 2355 [ARSEF 2379 (never frozen)] MC Rombach (201286-7). [Coleoptera]. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 2376 MC Rombach (201286-5). [Araneida]. 20 Dec 1986. Philippines: Mt. Makiling, Los Baños, Manila.
- 2546 SR Sánchez Peña. *Spodoptera* sp. [Lepidoptera: Noctuidae]. Acc'd 29 Feb 1988. Location not specified.
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- 2564 AE Hajek. Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Mar 1988. USA: Canadice Lake, New York.
- 2576 Acc'd 26 Jul 1988. Location not specified.
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- 2724 GW Riethmacher (B10M). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 2 Mar 1989. Philippines: La Trinidad, Benguet.
- 2726 GW Riethmacher (B13B). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 11 Mar 1989. Philippines: Atok, Benguet.
- 2807 GW Riethmacher (B15p). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 14 May 1989. Philippines: Pagbilao, Quezon.

- 2822 SR Sánchez Peña (3). Pupa, [Lepidoptera]. Jul 1987. Mexico: elev. 2900 m, Pseudotsuga-Abies forest, Pueblo Nuevo, Durango.
- 2835 AE Hajek ← K Tatman (MD109#3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1989. USA: Baltimore County, Maryland.
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- 3017 SB Krasnoff. *Pyrrharctia isabella* [Lepidoptera: Arctiidae]. 5 Jul 1990. USA: Troy Road, Ithaca, New York.
- 3152 KT Hodge. Pupa, [Lepidoptera]. 10 Oct 1991. USA: Lost Gorge, Tompkins County, New York. 25261.
- 3183 GW Riethmacher (B38). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 7 Apr 1990. Philippines: Atimonan, Quezon.
- 3184 GW Riethmacher (B39). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 11 Apr 1990. Philippines: Sariaya, Quezon.
- 3185 GW Riethmacher (B40). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 23 Apr 1990. Philippines: Lopez, Quezon.
- 3186 GW Riethmacher (B41). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 25 Apr 1990. Philippines: Padre Burgos, Quezon.
- 3191 GW Riethmacher (B44b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 17 May 1990. Philippines: La Trinidad, Benguet.
- 3221 AE Hajek. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 8 Feb 1991. USA: Luzerne County, Pennsylvania.
- 3461 SV Krueger (549). Soil. Jun 1991. USA: Smith Forest, Trumansburg, New York.
- 3490 AE Hajek (1b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 29 May 1991. USA: nr. Crossroads, Albemarle County, Virginia.
- 3491 AE Hajek (4a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: nr. Cool Spring, Mercer County, Pennsylvania.
- 3492 AE Hajek (9b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Poplar Hill, Prince Georges County, Maryland.
- 3493 AE Hajek (18b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: Union Springs, Rockingham County, Virginia.
- 3494 AE Hajek (21a). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 30 May 1991. USA: Hunting Creek, Bedford County, Virginia.
- 3495 AE Hajek (26a). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 4 Jun 1991. USA: Hawes Run, Pendleton County, West Virginia.
- 3496 AE Hajek (32c). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 1991. USA: Holloway Draft, Augusta County, Virginia.
- 3497 AE Hajek (36a). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: Big Mary's Creek, Rockbridge County, Virginia.
- 3498 AE Hajek (37c). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Piscataway, Maryland.
- 3499 AE Hajek (Red b (40)). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: Shenango River Reservoir, Mercer County, Pennsylvania.
- 3500 AE Hajek (47b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 5 Jun 1991. USA: Belle Acre, Allegheny County, Pennsylvania.
- 3501 AE Hajek (49b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 5 Jun 1991. USA: Lovington Spring, Nelson County, Virginia.
- 3502 AE Hajek (52b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 1991. USA: Piney River, Virginia.
- 3503 AE Hajek (53a). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 1991. USA: Hog Camp, Amherst County, Virginia.
- 3504 AE Hajek (54b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 31 May 1991. USA: White Rock Trail, Augusta County, Virginia.
- 3505 AE Hajek (57b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1991. USA: Wiggins Spring, Amherst County, Virginia.
- 3506 AE Hajek (62a). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: Brady Run, Beaver County, Pennsylvania.
- 3507 AE Hajek (64a). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 4 Jun 1991. USA: Accokeek, Maryland.
- 3508 AE Hajek (68c). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: nr. Ruckersville, Greene County, Virginia.
- 3517 AE Hajek (91a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 31 May 1991. USA: Darnell Hollow, Monongalia County, West Virginia.
- 3518 AE Hajek (94b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Jun 1991. USA: Clifton Mills Rd., Preston County, West Virginia.
- 3519 AE Hajek (95a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: Sandy Creek, Preston County, West Virginia.

- 3520 AE Hajek (102a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: Harris Lake, Monongalia County, West Virginia.
- 3521 AE Hajek (128b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 1991. USA: Camp Run, Pendleton County, West Virginia.
- 3522 AE Hajek (140a). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 31 May 1991. USA: Quarry Run, Monongalia County, West Virginia.
- 3523 AE Hajek (145b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 4 Jun 1991. USA: State Game Land # 203, Allegheny County, Pennsylvania.
- 3524 AE Hajek (166a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.
- 3525 AE Hajek (203b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Jun 1991. USA: Galloway Rd., Preston County, West Virginia.
- 3526 AE Hajek (216b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Piclic Run, Allegany County, Maryland.
- 3533 AE Hajek (298b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 31 May 1991. USA: Parker Run, Preston County, West Virginia.
- 3537 M Brownbridge (HL-1.1). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. 4 Dec 1991. USA: Whitington, Vermont.
- 3538 M Brownbridge (HL-2.3). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. 4 Dec 1991. USA: Whitington, Vermont.
- 3564 M Brownbridge (R-38). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 4 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3572 TJ Poprawski (2). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3574 TJ Poprawski (4). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3575 TJ Poprawski (5). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3576 TJ Poprawski (6). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3578 TJ Poprawski (8). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3579 TJ Poprawski (9). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3580 TJ Poprawski (10). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3582 SP Wraight (12). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3583 SP Wraight (13). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3584 SP Wraight (14). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3585 SP Wraight (16). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3586 SP Wraight (17). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3587 SP Wraight (18). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3588 SP Wraight (19). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3589 SP Wraight (20). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3591 TJ Poprawski (22). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3592 TJ Poprawski (23). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3593 TJ Poprawski (24). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3595 AE Hajek (35). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 24 Jun 1991. USA: horse-track at Equine Center, Freese Rd., Ithaca, New York.
- 3596 AE Hajek (146). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: Salem Park, Ithaca, New York.
- 3597 AE Hajek (149). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: 35 Sapsucker Woods Rd., Ithaca, New York.
- 3598 AE Hajek (370). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 17 Jun 1991. USA: Uhl, Ithaca, New York.
- 3599 AE Hajek (438). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Equine Center, Freese Rd., Ithaca, New York.
- 3658 TJ Poprawski (40). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on fig tree. 28 Jan 1992. USA: El Centro, California.
- 3659 TJ Poprawski (41). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on orchid tree. 28 Jan 1992. USA: Calexico, California.

- 3661 TJ Poprawski (44). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on vine. 28 Jan 1992. USA: Heber, California.
- 3664 AE Hajek (1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: Weakley Hollow, Madison County, Virginia.
- 3665 AE Hajek (23). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: Runkles Gap, Rockingham County, Virginia.
- 3666 AE Hajek (27). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.
- 3771 AE Hajek. 22 Jul 1992. USA: Coopers Rock State Forest, Monongalia County, West Virginia.
- 4010 T Steenberg (137) ← L Øgaard. 5th instar larva, *Agrotis segetum* [Lepidoptera: Noctuidae]. Sep 1988. Denmark: Stengård, Zealand.
- 4029 T Steenberg (234) ← CW Riedel. *Agonum dorsale* [Coleoptera: Carabidae]. Jan 1991. Denmark: Menstrup, Zealand.
- 4039 T Steenberg (259). *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4040 T Steenberg (260) ← L Øgaard. *Staphylinus olens* [Coleoptera: Staphylinidae]. Oct 1991. Denmark: Bagsværd, Zealand.
- 4043 T Steenberg (269) ← CW Riedel. *Bembidion lampros* [Coleoptera: Carabidae]. Jan 1991. Denmark.
- 4044 T Steenberg (270). *Agonum dorsale* [Coleoptera: Carabidae]. Jan 1991. Denmark.
- 4045 T Steenberg (274) ← V Langer. Larva, *Hapalus* sp. [Coleoptera: Carabidae]. Nov 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4090 KT Hodge (kth12). Pupa, [Lepidoptera] Soil. 8 Sep 1993. USA: Ringwood Forest Preserve, Ithaca, New York.
- 4412 LA Lacey (94073). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.
- 5073 LA Lacey (95065). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.
- 5074 LA Lacey (95066). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.
- 5075 LA Lacey (95067). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.
- 5080 LA Lacey (95069). [Coleoptera: Cerambycidae]. 16 Nov 1995. France: Saint-Etienne, de Gourgas.
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- 6028 BL Parker (AT-C-218). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 6, Sichuan Province.
- 6029 BL Parker (AT-C-234). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Tree Number 3, Sichuan Province.
- 6030 BL Parker (AT-C-235). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 2, Tree Number 5, Sichuan Province.
- 6031 BL Parker (AT-C-237). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 2, Tree Number 5, Sichuan Province.
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- 6033 BL Parker (AT-C-242). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 1, Tree Number 10, Sichuan Province.
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- 6048 BL Parker (AT-C-293). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Sichuan Province.
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- 6097 BL Parker (SPT-U-341). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.
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- 6246 [RCEF 0449] Phylum Arthropoda, Class Arachnida. 20 Sep 1997. PR China: Anhui.
- 6288 S Farrokhi (PPDRI 3). *Eurygaster integriceps* [Hemiptera: Scutelleridae]. Dec 1998. Iran: Isfahan, Esfahan.
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- contact Curator*
- 6482 BL Parker (SPT-KR-404). Adult, [Collembola] overwintering in soil. 2 Dec 2000. Kyrgyz Republic: GPS Coordinates N 43°39.257' E 073°54.353'. **RESTRICTED ACCESS:.**
- contact Curator*
- 6488 BL Parker (SPT-KZ-418). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
- contact Curator*
- 6489 BL Parker (SPT-KZ-419). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
- contact Curator*
- 6490 BL Parker (SPT-KZ-420). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:.**
- contact Curator*
- 6491 BL Parker (SPT-KZ-423). Adult, [Coleoptera: Chrysomelidae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°23.081' E 077°34.126'. **RESTRICTED ACCESS:.**
- contact Curator*
- 6493 BL Parker (SPT-KZ-428). Adult, *Aelia* sp. [Hemiptera: Pentatomidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
- contact Curator*
- 6495 BL Parker (SPT-KZ-432). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
- contact Curator*
- 6496 BL Parker (SPT-KZ-440). Adult, [Hemiptera: Lygaeidae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:.**
- contact Curator*
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- contact Curator*
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- 6611 JL Hatting. 17 May 2000. South Africa: Clanwilliam, Cape Province.
- 6619 Rec'd 27 Sep 2000.
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- 7094 KT Hodge. Among moss on fallen tree fern. 10 Jan 2003. USA: off Saddle Road, Island of Hawaii, Hawaii. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67180.
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- 7243 JM Sung (EFCC 1460). Larva, 31 Jul 1997. Nepal.
- 7245 JM Sung (EFCC 1928). Pupa, 4 Oct 1997. Republic of Korea: Samag Mt., Kangwon-do.
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- 7262 JM Sung (EFCC 2942). [Hymenoptera]. Jun 1999. Republic of Korea: Obong Mt., Kangwon-do.
- 7263 JM Sung (EFCC 2948). Pupa, Jun 1999. Republic of Korea: Obong Mt., Kangwon-do.
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- 7531 S Keller (955). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait fom soil. 29 Sep 2003. Switzerland: Matten, Bern.
- 7574 I Klingen (NCRI 95/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7575 I Klingen (NCRI 164/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7576 I Klingen (NCRI 170/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.

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- 7715 [SRCAMB VL-1124/2] V Likhovidov. Phylum Arthropoda, Class Insecta. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-302.
- 7717 [SRCAMB B-180] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Primorsky Krai. Field Collection Number F-182.
- 7718 [SRCAMB B-176] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-183.
- 7719 [SRCAMB B-172] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-181.
- 7720 [SRCAMB VL-576/1] V Likhovidov. Pupa, [Lepidoptera]. 7 Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-180.
- 7722 [SRCAMB B-49] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-199.
- 7723 [SRCAMB B-108] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. 31 Aug 2002. Russian Federation: Caucasus region, Karachayev-Cherkessiya Republ. Field Collection Number F-185.
- 7724 [SRCAMB VL-405] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. 30 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-294.
- 7725 [SRCAMB B-62] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-286.
- 7726 [SRCAMB VL-497] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. 21 Jul 2001. Russian Federation: environs of Vladivostok, Vladivostok, Primorsky Krai. Field Collection Number F-272.
- 7727 [SRCAMB B-52] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-187.
- 7728 [SRCAMB VL-755] V Likhovidov. [Hymenoptera: Formicidae]. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-188.
- 7729 [SRCAMB VL-449] V Likhovidov. Phylum Arthropoda, Class Insecta Isolated from stroma of *Cordyceps* sp. 21 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-291.
- 7730 [SRCAMB B-77] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-286.
- 7731 [SRCAMB VL-576] V Likhovidov. Pupa, [Lepidoptera]. 7 Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-180.
- 7732 [SRCAMB VL-282] V Likhovidov. Phylum Arthropoda, Class Insecta in soil. Jul 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-271.
- 7733 [SRCAMB VL-51] V Likhovidov. Pupa, [Lepidoptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-186.
- 7734 [SRCAMB B-404] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. Oct 1988. Ukraine: Kherson Oblast. Field Collection Number F-190.
- 7736 [SRCAMB B-102] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-293.
- 7737 [SRCAMB VL-1040/1] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-304.
- 7739 [SRCAMB B-331] V Likhovidov ← BA Borisov. Isolated from stroma of *Cordyceps nutans*. Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-334.
- 7777 [CEP (S) 004] C López Lastra ← A Toledo. Soil of *Zea mays* L., corn crop. 3 Jul 2003. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 7961 LA Lacey (4A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 69°25'26" N, 148°41'41" W, 1001 ft elevation.
- 7962 LA Lacey (5A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 28 Sep 2005. USA: Deadhorse, Alaska. 70°12'42" N, 148°28'57" W, 37 ft elevation.
- 8016 BC King (7). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

- 8017 BC King (47). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 8018 BC King (10). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 8019 BC King (11). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 8020 BC King (22). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 8021 BC King (43). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 8022 BC King (75). Rec'd 7 Apr 2006. USA: Renton, Washington. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** consult Curator.
- 8251 30 Aug 2006.
- 8252 BC King (Spec 1). Acc'd 19 Dec 2006.
- 8411 AE Hajek (02 NY 5-6-1). Adult, cadaver, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 10 Sep 2002. USA: Quarantine colony, Ithaca, New York.
- 8599 [CSIRO FI-0935] 5 Aug 1992. Pink contaminant on Veen's medium.
- 8770 A Torres Barragan (Ral 6). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from vermicompost. 16 Jul 2008. USA: Red Hen Enterprises, Raleigh, North Carolina.
- 8917 [ERL 253] BL Parker (AVRDC 0482B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 9269 Z Demirbag and E Tanyeli (Dm-3). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.
- 9270 Z Demirbag and E Tanyeli (Dm-4). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.
- 9275 Z Demirbag and E Tanyeli (Dm-9). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.
- 9276 Z Demirbag and E Tanyeli (Dm-10). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.
- 9277 Z Demirbag and E Tanyeli (Dm-11). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.
- 9278 Z Demirbag and E Tanyeli (Dm-12). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.
- 9292 [ERL 1592] S Gouli (Thr-08-P1) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9293 [ERL 1593] S Gouli and V Gouli (Thr-08-P2). Isolated from soil sample. 2008. USA: Vermont.
- 9510 [SRCAMB VL-755] V Likhovidov. [Hymenoptera: Formicidae]. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-188.
- 9511 [SRCAMB VL-1587/3] V Likhovidov. [Coleoptera: Silphidae]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-525.
- 9512 [SRCAMB VL-1624] V Likhovidov. Larva, [Diptera: Xylophagidae] Isolated from stroma of *Cordyceps corallomyces*. Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-585.
- 9513 [SRCAMB B-679] V Likhovidov ← BA Borisov. [Hemiptera: Coccidae]. 8 Jul 2005. Ukraine: Kiev. Field Collection Number F-746.
- 9514 [SRCAMB VL-1959] V Likhovidov. [Hymenoptera: Formicoidea]. 25 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-842.
- 9515 [SRCAMB B-186] V Likhovidov ← BA Borisov. [Lepidoptera: Lasiocampidae]. Apr 2003. Russian Federation: Moscow Region. Field Collection Number F-919.
- 9516 [SRCAMB B-405/2] V Likhovidov ← BA Borisov. [Coleoptera]. Oct 2003. Ukraine: Kherson Oblast. Field Collection Number F-930.
- 9574 [ERL 1731] S Gouli and V Gouli (Thr.-08-P/8). Isolated from soil sample. 2008. USA: Vermont.
- 9575 [ERL 1732] S Gouli (Thr.-08-P/9) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9576 [ERL 1733] S Gouli and V Gouli (Thr.-08-P/10). Isolated from soil sample. 2008. USA: Vermont.
- 9577 [ERL 1734] S Gouli (Thr.-08-P/11) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9578 [ERL 1735] S Gouli and V Gouli (Thr.-08-P/12). Isolated from soil sample. 2008. USA: Vermont.
- 9579 [ERL 1736] S Gouli (Thr.-08-P/13) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
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Isaria flavovirescens Shimazu & Humber (sp. nov., unpublished)
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- 4498 LA Lacey (92111). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4499 LA Lacey (992114). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4501 LA Lacey (992117). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4502 LA Lacey (92118). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 4503 LA Lacey (992119). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
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- 4703 Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4460 passed through and reisolated from RWA.
- 4704 J McManus (DnPfu29 and 4480.3P) ← ARSEF (4480). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4480 passed through and reisolated from RWA.
- 4705 J McManus (DnPfu28 and 4481.3Pss#1) ← ARSEF (4481). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4481 passed through and reisolated from RWA.
- 4706 J McManus (DnPfu28 and 4482.3Pss#1). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4482 passed through and reisolated from RWA.
- 4707 J McManus (DnPfu29 and 4487.3P). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4487 passed through and reisolated from RWA.
- 4708 J McManus (DnPfu29 and 4489.3P) ← ARSEF (4489). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4489 passed through and reisolated from RWA.
- 4709 J McManus (DnPfu29 and 4491.3P) ← ARSEF (4491). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4491 passed through and reisolated from RWA.
- 4710 J McManus (DnPfu29 and 4492.3P) ← ARSEF (4492). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4492 passed through and reisolated from RWA.
- 4711 J McManus (DnPfu29 and 4493.3P) ← ARSEF (4493). Adult, *Diuraphis noxia* [Hemiptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4493 passed through and reisolated from RWA.
- 5085 LA Lacey (95075). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5086 LA Lacey (95076). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5087 LA Lacey (95077). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5088 LA Lacey (95078). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5089 LA Lacey (95079). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5090 LA Lacey (95080). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5107 LA Lacey (95097). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5113 LA Lacey (95103). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5115 LA Lacey (95105). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5116 LA Lacey (95106). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5117 LA Lacey (95107). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5118 LA Lacey (95108). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5119 LA Lacey (95109). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5121 LA Lacey (95111). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5122 LA Lacey (95071). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5154 DR Sosa-Gómez (CNPSo-P77). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 30 Jan 1996. Brazil: Primeiro de Maio, Paraná.
- 5155 DR Sosa-Gómez (CNPSo-P78). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 30 Jan 1996. Brazil: Primeiro de Maio, Paraná.
- 5156 DR Sosa-Gómez (CNPSo-P79). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5157 DR Sosa-Gómez (CNPSo-P80). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5158 DR Sosa-Gómez (CNPSo-P81). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.

- 5159 DR Sosa-Gómez (CNPSO-P82). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5251 SARL (1) ← SP Wraight (LEP-1). Larva, [Lepidoptera] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas.
- 5252 SARL (2) ← SP Wraight (LEP-2). Larva, [Lepidoptera] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas.
- 5253 SARL (3) ← SP Wraight (EC-1). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1996. USA: Santa Maria, Texas.
- 5254 SARL (4) ← SP Wraight (EC-2). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1996. USA: Santa Maria, Texas.
- 5255 SARL (5) ← SP Wraight (EC-3). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5256 SARL (6) ← SP Wraight (EC-4). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5257 SARL (7) ← SP Wraight (EC-5). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5258 SARL (8) ← SP Wraight (EC-6). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5260 SARL (10) ← SP Wraight (SPW-16). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5261 SARL (11) ← SP Wraight (SPW-17). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5262 SARL (12) ← SP Wraight (SPW-18). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5263 SARL (13) ← SP Wraight (SPW-19). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5264 SARL (14) ← SP Wraight (SPW-20). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5265 SARL (15) ← SP Wraight (SPW-21). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5266 SARL (16) ← SP Wraight (SPW-22). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5267 SARL (17) ← SP Wraight (SPW-23). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas.
- 5268 SARL (18) ← SP Wraight (SPW-24). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas. Many of the conidia seem a bit shorter and more ovoid than is usual for this species. Conidia in mass do have the gray/pink appearance expected of Pfr.
- 5269 SARL (19) ← SP Wraight (SPW-29). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.
- 5270 SARL (20) ← SP Wraight (SPW-30). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.
- 5271 SARL (21) ← SP Wraight (SPW-31). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.
- 5272 SARL (30) ← SP Wraight ← LA Lacey (92119) ← APHIS (WFP-362). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 5297 [APHIS WFP-363] SARL (34) ← LA Lacey (92135) ← A Kirk. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 6 Oct 1996. Nepal: Katmandu.
- 5298 [APHIS WFP-362] SARL (35) ← LA Lacey (92118). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 5299 SARL (36) ← SP Wraight (LACEY 921155-BT1) ← SARL (28). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5300 SARL (37) ← SP Wraight (Lacey 92133-Bt1) ← SARL (29). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5301 SARL (38) ← S Wraight (Lacey 92119-Bt1) ← SARL (30). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5302 SARL (39) ← S Wraight (Lacey Ma19-Bt1) ← SARL (31). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5303 SARL (40) ← SP Wraight (Lacey Ma21-Bt1). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5304 SARL (42) ← SP Wraight (Lacey 92135-Bt1) ← SARL (34). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5305 SARL (43) ← SP Wraight (Lacey 92118-Bt1) ← SARL (35). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5307 SARL (45) ← SP Wraight. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Mar 1993. USA: Santa Maria, Texas.
- 5308 SARL (98) ← SP Wraight (SPW-34). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

- 5309 SARL (99) ← SP Wraight (SPW-35). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5310 SARL (100) ← SP Wraight (SPW-36). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5311 SARL (101) ← SP Wraight (SPW-37). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5312 SARL (102) ← SP Wraight (SPW-38). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5313 SARL (103) ← SP Wraight (SPW-39). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5314 SARL (104) ← SP Wraight (SPW-40). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5315 SARL (105) ← SP Wraight (SPW-41). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.
- 5316 SARL (118) ← SP Wraight (3572-Bt-9) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.
- 5317 SARL (119) ← SP Wraight (3572-Bt-10) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.
- 5318 SARL (120) ← SP Wraight (3572-Bt-11) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.
- 5319 SARL (121) ← SP Wraight (3572-Bt-12) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.
- 5320 SARL (124) ← SP Wraight (SPW-50). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 8 Sep 1993. USA: Weslaco, Texas. Conidia seem a bit shorter and more ovoid than would be normal for this species and colony/conidial mass is a bit less colored than expected.
- 5322 SARL (126) ← SP Wraight (SPW-52) ← JA Correa. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5323 SARL (127) ← SP Wraight (SPW-53) ← JA Correa. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5324 SARL (128) ← SP Wraight (SPW-54) ← JA Correa. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5325 SARL (129) ← SP Wraight (SPW-55). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5326 SARL (130) ← SP Wraight (SPW-56) ← JA Correa. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.
- 5327 SARL (131) ← SP Wraight (3572-Bt-1) ← ARSEF (3572). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. Rec'd 27 Aug 1996. USA: Phoenix, Arizona.
- 5328 SARL (132) ← SP Wraight (3572-Bt-2) ← ARSEF (3572). Nymph, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cotton. Rec'd 27 Aug 1996. USA: Phoenix, Arizona.
- 5329 SARL (145) ← SP Wraight (3572-Btx3) ← ARSEF (3572). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.
- 5330 SARL (147) ← S Doerfler and B Flores ← TJ Poprawski. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Okra. 6 Sep 1994. USA: Harlingen, Texas.
- 5331 SARL (149) ← S Doerfler, B Flores and TJ Poprawski. Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Okra. 6 Sep 1994. USA: Harlingen, Texas.
- 5462 TJ Poprawski (TJP927). 3rd instar larva, *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as freeze-dried blastospores.
- 5463 TJ Poprawski (TJP928). 3rd instar larva, *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as air-dried blastospores.
- 5464 TJ Poprawski (TJP929). 3rd instar larva, *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as fresh blastospores.
- 5475 LA Lacey (EBCL 92116). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 27 Sep 1992. Pakistan: Multan.
- 5476 LA Lacey (EBCL 92117). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 27 Sep 1992. Pakistan: Multan.
- 5540 FA Cantone. Rec'd 2 Jun 2000. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolate from ARSEF 4461 passed through *Plutella xylostella*.
- 5627 I Vänninen (SF86-82). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. Aug 1986. Finland: Kymenlaakso.
- 5694 JM Sung (KEFC-919). [Coleoptera]. 28 Jun 1996. Republic of Korea: Book-Bang, Hong-Cheon Kun, Kangwon-do.

- 5844 T Steenberg (SSL 58). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5845 T Steenberg (SSL 59). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5846 T Steenberg (SSL 61). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5847 T Steenberg (SSL 62). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5855 T Steenberg (SSL 531). Nymph, *Blattella germanica* [Dictyoptera: Blattellidae]. 20 Aug 1996. Denmark: Hospital, Copenhagen, Zealand.
- 5860 T Steenberg (SSL 617). Adult, *Musca domestica* [Diptera: Muscidae]. Mar 1997. Denmark: Stable, Lynge, Zealand.
- 5874 FE Vega (EBCL 98001). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Aug 1997. Romania: Voronetz.
- 6192 FE Vega (EBCL 99029). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
- 6203 FE Vega (EBCL 98039). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6204 FE Vega (EBCL 98040). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6206 FE Vega (EBCL 98042). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 1998. France: Pujaudrau.
- 6434 DEN Rangel (JAB 11). Biotype B, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on cotton. Mar 1998. Brazil: Miguelópolis, São Paulo.
- 6435 DEN Rangel (JAB 12). Biotype B, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on poinsettia. 3 Sep 1999. Brazil: Glasshouse, FCAV/UNESP, Jaboticabal, São Paulo.
- 6562 D Chandler (HRI 402.93). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6610 JL Hatting (2). Unspecified tick, [Acari]. Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.
- 6615 JL Hatting. Rec'd 27 Sep 2000.
- 6730 FE Vega (EBCL 97054). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 23 Feb 2001. Ivory Coast.
- 6789 FJ Posada (CEFC F-0001). Nymph & adult, [Hemiptera: Aphididae] on *Montanoa ovatifolia* (DC) Schultz-Bip., arboloco. May 2000. Colombia: Greenhouse, Chinchiná, Caldas.
- 6797 G Mercadier (EBCL 00049). *Bemisia* sp. [Hemiptera: Aleyrodidae]. 7 Aug 2000. Hong Kong: Tai Lung Experimental Station, Sheung Shui.
- 6798 G Mercadier (EBCL 00050). *Bemisia* sp. [Hemiptera: Aleyrodidae]. 7 Aug 2000. Hong Kong: Tai Lung Experimental Station, Sheung Shui.
- 6799 G Mercadier (EBCL 00051). Pupa, *Plutella xylostella* [Lepidoptera: Plutellidae] on *Brassica oleracea* L., cabbage. 13 Jul 2000. Australia: Tableland, Atherton, Queensland.
- 6800 G Mercadier (EBCL 00052). Pupa, *Plutella xylostella* [Lepidoptera: Plutellidae] on *Brassica oleracea* L., cabbage. 13 Jul 2000. Australia: Tableland, Atherton, Queensland.
- 6893 E Zhioua (T81). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Rec'd May 2001.
- 6916 C López Lastra (2). Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato in covered greenhouses. 1 Jun 2001. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7029 L Li. Rec'd 6 May 2002.
- 7050 C López Lastra. [Hemiptera: spf. Fulgoroidea]. Nov 2001. Argentina: La Plata, Buenos Aires.
- 7051 C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 23 Apr 2002. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7069 T Steenberg (319). Engorged female, *Ixodes ricinus* [Acari: Ixodidae] Collected from deer. Oct 1991. Denmark: Jægersborg Dyrehave, Zealand.
- 7204 [CEP 051] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 9 Apr 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**
- 7205 [CEP 055] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 9 Jun 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**
- 7284 FE Vega (MPM-5). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jan 2004. Mexico: Tapachula, Chiapas.
- 7347 M Liu. 12 Aug 2003. USA: Stasley residence, La Belle, Florida.
- 7523 M Filotas. Rec'd 5 Nov 2004.
- 7716 [SRCAMB B-173] V Likhovidov ← BA Borisov. [Coleoptera]. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-189.
- 7740 [SRCAMB B-15] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-194.
- 7743 [SRCAMB B-101] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-282.

- 8142 LS Bauer and H Liu (MF-233). 4th instar larva, *Agrius planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.
- 8333 Z Demirbag (KTU-1). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Yomra, Trabzon.
- 8337 Z Demirbag (KTU-5). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.
- 8345 Z Demirbag (KTU-13). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 23 Jul 2006. Turkey: Kesap, Giresun.
- 8348 Z Demirbag (KTU-16). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Muratli, Artvin.
- 8448 Z Demirbag (KTU-42). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.
- 8716 [CEP 302] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. 22 May 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8717 [CEP 303] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 4 Jun 2007. Argentina: Quinta Marian del Pino, Abasto, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8718 [CEP 304] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 3 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8719 [CEP 305] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 3 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8720 [CEP 306] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 10 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8721 [CEP 307] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 16 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8723 [CEP 308] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 4 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8724 [CEP 309] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8725 [CEP 310] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8726 [CEP 311] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8727 [CEP 312] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 13 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8728 [CEP 313] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Solanum melongena* L., eggplant. 13 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8729 [CEP 314] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8730 [CEP 315] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
- 8840 [CSIRO FI-1275] [Coleoptera: Chrysomelidae]. 5 Aug 1998. Australia: Tasmania.
- 8892 [CSIRO FI-1296] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from insect A11. 22 Dec 1998. Australia: Condong, New South Wales.
- 8928 [CEP 316] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

- 9294 [ERL 1594] VS Gouli (Thr.-08-P3). Isolated from soil sample. 2008. USA: Vermont.
- 9380 E Groden. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jun 2009. USA: Acadia National Park, Mount Desert Island, Maine.
- 9520 [SRCAMB VL-1528] V Likhovidov. Larva, [Lepidoptera]. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-518.
- 9521 [SRCAMB VL-2057] V Likhovidov. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Aug 2000. Ukraine: Kherson Oblast. Field Collection Number F-749.
- 9582 [ERL 1739] S Gouli and V Gouli (Thr.-08-P/16). Isolated from soil sample. 2008. USA: Vermont.
- 9583 [ERL 1740] S Gouli (Thr.-08-P/17) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9584 [ERL 1741] S Gouli and V Gouli (Thr.-08-P/18). Isolated from soil sample. 2008. USA: Vermont.
- 9585 [ERL 1742] S Gouli (Thr.-08-P/19) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.
- 9586 [ERL 1743] S Gouli and V Gouli (Thr.-08-P/20). Isolated from soil sample. 2008. USA: Vermont.
- 9602 X Zou (9). [Coleoptera]. Rec'd 19 Jan 2010. PR China: Guizhou Province.
- 10224 M Kereselidze. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae] from bark of *Morus* sp., mulberry. Sep 2008. Republic of Georgia: western Georgia.
- 10258 2010.
- 11657 [NCRI 167/02] K Westrum. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Olav Feten, Nessane, Balestrand, Sogn og Fjordane. Soil sample from conventional apple orchard.
- 11658 [NCRI 230/02] K Westrum. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Olav Feten, Nessane, Balestrand, Sogn og Fjordane. Soil sample from conventional apple orchard.
- 11659 [NCRI 232/02] K Westrum. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Olav Feten, Nessane, Balestrand, Sogn og Fjordane. Soil sample from conventional apple orchard.
- 12172 I Erper (TR-78-2). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12173 I Erper (TR-78-3). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12174 I Erper (TR-78-4). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12175 I Erper (TR-78-5). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- 12177 I Erper (TR-78-7). Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Rec'd 3 Jun 2013. Turkey.
- Isaria guaensis*** Rombach & Humber (unpubl. sp. nov.)
[Sordariomycetes: Hypocreales]
Cordycipitaceae
- 2152 MC Rombach (190386-1). [Orthoptera: Gryllidae]. 19 Mar 1986. Indonesia: burial caves at Londa, nr. Makale, Sulawesi Selatan, Celebes.
- Isaria javanica*** (Friederichs & Bally) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces javanicus* (Friederichs & Bally) Brown & Smith. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*.
- 322 GR Buckingham. *Litodactylus leucogaster* [Coleoptera: Curculionidae]. Dec 1978. USA: Gainesville, Florida.
- 3303 J Gutierrez Samperio (19) ← ERD Reyes. *Bemisia* sp. [Hemiptera: Aleyrodidae] on watermelon. 1990. Mexico: Tecmán, Colima.
- 3573 TJ Poprawski (3). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3577 TJ Poprawski (7). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.
- 3776 SP Wraight (SPW-11). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3778 SP Wraight (F92-2) ← J Salinus. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 9 Mar 1992. USA: Shary Plantation, Mission, Texas.
- 3981 LA Lacey (93018) ← INRA (Pfr028). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 1975. France: Ile de France.
- 5259 SARL (9) ← SP Wraight (SPW-15). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.
- 5321 SARL (125) ← SP Wraight (SPW-51). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] Broccoli. 8 Sep 1993. USA: Weslaco, Texas.
- 5806 DA Rodríguez Sierra (UJ89002). Rec'd 7 Aug 1998. Commercial isolate.
- 7119 HE Cabanillas. Adult, [Coleoptera] on wild olive tree. 29 Oct 2002. USA: Weslaco, Texas.
- 7477 [CEP 107] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 4 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- Isaria poprawskii*** Cabanillas, Humber, de León & Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae
- 7028 HE Cabanillas. *Bemisia argentifolii* [Hemiptera: Aleyrodidae] on *Solanum melongena* L., eggplant in

greenhouse. 28 Sep 2001. USA: Kika de la Garza Subtropical Agricultural Research Center, Weslaco, Texas. CULTURE EX TYPE.

Isaria sinclairii (Berkeley) Lloyd
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6925 [ATCC 24400] Nymph, *Mogannia hebes* [Hemiptera: Cicadidae]. Rec'd 30 Nov 2001. Republic of China: Taiwan. Produces thermozytocidin, myriocidin.

Isaria tenuipes Peck
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces tenuipes* (Peck) Samson. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*.

2488 SR Sánchez Peña (A1). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farías, Tamaulipas.

2489 SR Sánchez Peña (A2). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farías, Tamaulipas.

2490 SR Sánchez Peña (B1). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farías, Tamaulipas.

2491 SR Sánchez Peña (B2). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farías, Tamaulipas.

3938 DR Sosa-Gómez (CNPSO-P41). [Lepidoptera: Noctuidae]. 31 Jan 1990. Brazil: Ivatuba, Paraná.

3939 DR Sosa-Gómez (CNPSO-P42). [Lepidoptera: Noctuidae]. Acc'd 18 Oct 1993. Brazil: Ponta Porã, Mato Grosso.

4096 LA Lacey (94006). Pupa, [Lepidoptera: Noctuidae]. Rec'd 28 Mar 1994. Brazil.

5134 KT Hodge (kth32a). Pupa, [Lepidoptera]. 17 Sep 1995. USA: Swamp off Hogsback Rd., Verona, New York. Specimen deposited in Cornell Plant Pathology Herbarium as CUP 63810.

5135 KT Hodge (kth32b). Pupa, [Lepidoptera]. 17 Sep 1995. USA: Swamp off Hogsback Rd., Verona, New York. Specimen deposited in Cornell Plant Pathology Herbarium as CUP 63811.

5700 JM Sung (KEFC-1662). Pupa, Phylum Arthropoda, Class Insecta. 20 Sep 1997. Republic of Korea: Book-Bang, Hong-Cheon Kun, Kangwon-do.

6249 [RCEF 0205] Pupa, [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Anhui.

6788 FJ Posada (CEFC P-0003). Pupa, *Agraulis vanillae* [Lepidoptera: Nymphalidae] on *Passiflora edulis* Sims, maracuyá or purple granadilla. May 2000. Colombia: Butterfly rearing garden, Chinchiná, Caldas.

6889 H Cortez Madrigal (Pm). *Mocis latipes* [Lepidoptera: Noctuidae] on grass. Nov 2000. Mexico: Cárdenas, Tabasco.

7735 [SRCAMB B-104] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Jul 2002. Russian Federation: Karachayevo-Cherkessiya Republ. Field Collection Number F-196.

7790 [SRCAMB VL-63] V Likhovidov. Pupa, [Lepidoptera]. 21 Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-303.

9531 [SRCAMB VL-1667] V Likhovidov. Pupa, [Lepidoptera]. 19 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-476.

9532 [SRCAMB VL-1564] V Likhovidov. Pupa, [Lepidoptera]. 14 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-488.

9533 [SRCAMB VL-1565/4] V Likhovidov. [Araneida]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-554.

9534 [SRCAMB B-667] V Likhovidov ← BA Borisov. Larva, [Lepidoptera]. 8 Jul 2005. Ukraine: Kiev. Field Collection Number F-1033.

11705 T Wen (FD-3). Pupa, [Lepidoptera]. 2011. PR China: Foding Mountain, Shiqian County, Guizhou Province.

11706 T Wen (FD-4). Pupa, [Lepidoptera]. 2011. PR China: Foding Mountain, Shiqian County, Guizhou Province.

11707 T Wen (LG-11-2). Pupa, [Lepidoptera]. 2011. PR China: Leigong Mountain, Guizhou Province.

Lagenidium caudatum GL Barron
[Peronosporomycetes: Lagenidiales]
Lagenidiaceae

2003 [ATCC 58383] BA Jaffee (LcD). *Xiphinema rivesi* [Dorylaimida: Longidoridae]. Aug 1984. USA: Snyder County, Pennsylvania.

Lagenidium giganteum Couch ex Redhead
[Peronosporomycetes: Lagenidiales]

Peronosporomycetes: Lagenidiales: Lagenidiaceae. ARSEF 373 is the ex-epitype isolate of this taxon to be used for future studies of the living organism

373 [ARSEF 746 (deaccessioned)] JN Couch ← SV Romney (LGNC-1). *Culiseta melanura* [Diptera: Culicidae]. 1975. USA: Chapel Hill, North Carolina. Ex-epitype isolate.

748 AL Knight (LG/NC-2). [Diptera: Culicidae]. 1979. USA: Chapel Hill, North Carolina.

749 HC Chapman and FE Glenn. *Culex territans* [Diptera: Culicidae]. 1975. USA: Moss Bluff, Louisiana.

1384 EM McCray and CJ Umphlett. *Culex tarsalis* [Diptera: Culicidae]. 1979. USA: Colusa, California.

- 2529 [ARSEF ?1940] SP Frances (LAG) and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 8 Jun 1985. Australia: Millaa Millaa, Queensland.
- 2530 SP Frances (MALANDA1) and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 16 Apr 1986. Australia: Malanda, Queensland.
- 2531 [ATCC 76240] SP Frances (MILLAA1) and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 16 Apr 1986. Australia: Millaa Millaa, Queensland.
- 2532 SP Frances (MILLAA2) and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 16 Apr 1986. Australia: Millaa Millaa, Queensland.
- 3327 [ARSEF 3328 (deaccessioned)] JL Kerwin (BS). *Aedes melanimon* [Diptera: Culicidae]. May 1987. USA: duck club, Butte Sink area, nr. Colusa, California.
- Lasiodiplodia theobromae*** (Patouillard) Griffon & Maublauc
[Dothiomycetes: Dothideales]
Botryosphaeriaceae. Teleomorph: *Botryosphaeria rhodina* (Cooke) von Arx.
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- 2170 BN Muthappa (PNG 12719). *Anoploleptis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.
- Lecanicillium* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae
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- 2009 CIRPON ← M Yasem de Romero. *Toxoptera citricida* [Hemiptera: Aphididae]. 1985. Argentina: Tucumán.
- 3253 M Brownbridge (B). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.
- 3254 M Brownbridge (C). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.
- 3255 M Brownbridge (D). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.
- 3259 M Brownbridge (I). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Krug, Massachusetts.
- 3260 M Brownbridge (J). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Krug, Massachusetts.
- 7373 LG Leite. [Acari] on leaves of *Coffea* sp., coffee. Rec'd 20 May 2004. Brazil: São Paulo.
- 7407 M Liu (ml161). Dec 2003. USA: Maricao Forest Reserve, near visitor's center, Maricao, Puerto Rico.
- 7544 BJ Cole (C7). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 645. Summer 2004. USA: Mesa County, Colorado.
- 7622 [SRCAMB VL-925] V Likhovidov. *Parthenolecanium corni* [Hemiptera: Coccidae]. 28 Aug 2002. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-163.
- 7624 [SRCAMB VL-408] V Likhovidov. [Lepidoptera] Isolated from stroma of *Cordyceps* sp. 30 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-212.
- 7625 [SRCAMB VL-406] V Likhovidov. [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-213.
- 7626 [SRCAMB B-61] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps militaris*. Aug 2002. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-214.
- 7627 [SRCAMB B-65] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps militaris*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-215.
- 7628 [SRCAMB B-81] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps militaris*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-216.
- 7629 [SRCAMB B-60] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps militaris*. 12 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-217.
- 7630 [SRCAMB B-42] V Likhovidov ← BA Borisov. *Vespa* sp. [Hymenoptera: Vespidae] Isolated from stroma. 8 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-219.
- 7632 [SRCAMB B-59] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps militaris*. Jul 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-238.
- 7634 [SRCAMB B-259] V Likhovidov ← BA Borisov. Larva, [Diptera: Xylophagidae] Isolated from stroma of *Cordyceps* sp. 13 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-312.
- 7635 [SRCAMB B-255] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Elateridae] Isolated from stroma of *Cordyceps corallomyces*. 12 Aug 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-323.
- 7636 [SRCAMB B-260] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Elateridae] Isolated from stroma of *Cordyceps stylophora*. 11 Jul 2003. Russian Fed-

- eration: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-340.
- 7849 [SRCAMB B-88] V Likhovidov ← BA Borisov. Larva, [Diptera: Xylophagidae] Isolated from stroma of *Cordyceps corallomyces*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-220.
- 8476 WC Luz (eco 81). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS: consult Curator.**
- 8639 [CENARGEN CG 826] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS: consult Curator.**
- 9163 [ERL 751] VS Gouli (CA-771). Isolated from soil sample. 2002. USA: California.
- 9175 [ERL 1352] VS Gouli (HWA-06/10). *Adelges tsugae* [Hemiptera: Adelgidae]. 2006. USA: Massachusetts.
- 9176 [ERL 1353] VS Gouli (HWA-06/11). *Adelges tsugae* [Hemiptera: Adelgidae]. 2006. USA: Massachusetts.
- 9177 [ERL 1564] VS Gouli (Scale-09/10). [Hemiptera: Coccoidea] on ornamental lemon tree. 2009. USA: Vermont.
- 9458 [SRCAMB VL-1169] V Likhovidov. *Tortrix viridana* [Lepidoptera: Tortricidae]. 22 Jul 2003. Russian Federation: Serpukhov District, Moscow Region. Field Collection Number F-352.
- 9459 [SRCAMB VL-1587/2] V Likhovidov. [Coleoptera: Silphidae]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayev-Cherkessiya Republ. Field Collection Number F-524.
- 9465 [SRCAMB VL-2005] V Likhovidov. Phylum Myxomycota, Class Myxomycetes. 5 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-862.
- 9466 [SRCAMB VL-2109] V Likhovidov. *Orthezia urticae* [Hemiptera: Ortheziidae]. 14 Sep 2006. Russian Federation: Moscow Region. Field Collection Number F-1093.
- 9478 [SRCAMB VL-2099] V Likhovidov. Isolated from stroma of *Elaphocordyceps capitata* 25 Aug 2006. Russian Federation: Tver Region. Field Collection Number F-1088.
- 9609 T Myles. Rec'd 16 Mar 2010.
- 9924 [ERL 1768] S Gouli (HWA-G-46) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9925 [ERL 1769] S Gouli and V Gouli (HWA-G-47). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9926 [ERL 1770] S Gouli (HWA-G-48) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9930 [ERL 1774] S Gouli (Thr.-09-6) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9931 [ERL 1775] S Gouli and V Gouli (Thr.-09-7). [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9935 [ERL 1779] S Gouli and V Gouli (Thr.-09-11). [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9936 [ERL 1780] S Gouli (Thr.-09-12) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 10154 [ERL 1814] S Gouli (Thr.-10-16) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.
- 10164 [ERL 1824] S Gouli (Thr.-10-26) and V Gouli. [Acari] mites. 2010. USA: Rupert, Vermont.
- 10192 [ERL 1870] S Gouli and V Gouli (Thr.-10-78). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Westfield, Vermont.
- 10193 [ERL 1871] S Gouli (Thr.-10-79) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10196 [ERL 1874] S Gouli and V Gouli (Thr.-10-82). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
- 10197 [ERL 1875] S Gouli (Thr.-10-83) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.
- 10198 [ERL 1876] S Gouli and V Gouli (Thr.-10-84). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.
- 10199 [ERL 1877] S Gouli (Thr.-10-85) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.
- 10200 [ERL 1878] S Gouli and V Gouli (Thr.-10-86). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.
- 10201 [ERL 1879] S Gouli (Thr.-10-87) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
- 10202 [ERL 1880] S Gouli and V Gouli (Thr.-10-88). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
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- 10208 [ERL 1886] S Gouli (Thr.-10-94) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10209 [ERL 1887] S Gouli and V Gouli (Thr.-10-95). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

- 10210 [ERL 1888] S Gouli (Thr.-10-96) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
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- 10212 [ERL 1890] S Gouli (Thr.-10-98) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
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- 10296 [ERL 1941] S Gouli (Thr.-10-147) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
- 10297 [ERL 1942] S Gouli (Thr.-10-148) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
- 10298 [ERL 1943] S Gouli and V Gouli (Thr.-10-149). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
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- 10300 [ERL 1945] S Gouli (Thr.-10-151) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
- 10301 [ERL 1946] S Gouli and V Gouli (Thr.-10-152). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
- 10302 [ERL 1947] S Gouli (Thr.-10-153) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.
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- 10305 [ERL 1950] S Gouli (Thr.-10-156) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.
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- 11639 [ERL 580] S Gouli (CA-698) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 11640 [ERL 583] S Gouli and V Gouli (CA-681). Isolated from soil sample. 2002. USA: California.
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- 11642 [ERL 585] S Gouli and V Gouli (CA-683). Isolated from soil sample. 2002. USA: California.
- 11643 [ERL 586] S Gouli (CA-707) and V Gouli. Isolated from soil sample. 2002. USA: California.
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- 11645 [ERL 588] S Gouli (CA-761) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 11646 [ERL 589] S Gouli and V Gouli (CA-791). Isolated from soil sample. 2002. USA: California.
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- 12054 [ERL 2141] S Gouli (PS-12/3) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Carya* sp., hickory. Sep 2012. USA: Charlestown, Rhode Island.
- 12055 [ERL 2142] S Gouli and V Gouli (PS-12/4). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Carya* sp., hickory. Sep 2012. USA: Charlestown, Rhode Island.
- 12056 [ERL 2143] S Gouli (PS-12/5) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Charlestown, Rhode Island.
- 12057 [ERL 2144] S Gouli and V Gouli (PS-12/6). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Charlestown, Rhode Island.
- 12058 [ERL 2145] S Gouli (PS-12/7) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Charlestown, Rhode Island.
- 12059 [ERL 2146] S Gouli and V Gouli (PS-12/8). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Betula alleghaniensis* Britton, yellow birch. Sep 2012. USA: Charlestown, Rhode Island.
- 12060 [ERL 2147] S Gouli (PS-12/9) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Clethra* sp., sweetpepperbush. Sep 2012. USA: Charlestown, Rhode Island.
- 12061 [ERL 2148] S Gouli and V Gouli (PS-12/10). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Gaylussacia* sp., huckleberry. Sep 2012. USA: Charlestown, Rhode Island.
- 12062 [ERL 2149] S Gouli (PS-12/11) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Charlestown, Rhode Island.
- 12063 [ERL 2150] S Gouli and V Gouli (PS-12/12). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12064 [ERL 2151] S Gouli (PS-12/13) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12065 [ERL 2152] S Gouli and V Gouli (PS-12/14). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12066 [ERL 2153] S Gouli (PS-12/15) and V Gouli. Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12067 [ERL 2154] S Gouli and V Gouli (PS-12/16). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus alba* L., white oak. Sep 2012. USA: Richmond, Rhode Island.
- 12068 [ERL 2155] S Gouli (PS-12/17) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Prunus serotina* Ehrh., black cherry. Sep 2012. USA: Richmond, Rhode Island.
- 12069 [ERL 2156] S Gouli and V Gouli (PS-12/18). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Richmond, Rhode Island.
- 12070 [ERL 2157] S Gouli (PS-12/19) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Richmond, Rhode Island.
- 12071 [ERL 2158] S Gouli and V Gouli (PS-12/20). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Betula populifolia* Marshall, gray birch. Sep 2012. USA: Richmond, Rhode Island.
- 12089 [ERL 2176] S Gouli and V Gouli (HWA-12/4). Nymph, *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis* (L.) Carrière, eastern hemlock. Nov 2012. USA: Brattleboro, Vermont.
- 12851 [IP 415] From infected insect. 10 Feb 2015. Brazil: Alto Paraíso, Goiás. **RESTRICTED ACCESS:** contact Curator.

Lecanicillium aphanocladii Zare & W Gams

[Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Aphanocladium araneorum* (Petch) W Gams

- 2324 TJ Poprawski (8648). *Myzus* nr. *persicae* [Hemiptera: Aphididae]. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.
- 6433 DEN Rangel (FTRI A1) ← Triangulo Agroindustrial S.A.. Rec'd 14 Feb 2001. Brazil: Pontes e Lacerda, Mato Grosso.
- 9440 [SRCAMB B-238] V Likhovidov ← BA Borisov. Isolated from stroma of *Cordyceps variegata* 12 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-923.
- 9461 [SRCAMB B-230] V Likhovidov ← BA Borisov. Isolated from air sample. Apr 2003. Russian Federation: environs of Moscow, Moscow Region. Field Collection Number F-252.
- 9611 JG Banu (1). *Paracoccus marginatus* [Hemiptera: Pseudococcidae]. Dec 2009. India: Coimbatore, Tamil Nadu.

- 9615 S Jeyarani (TNAU 1). *Tetranychus urticae* [Acari: Tetranychidae] on *Cajanus cajan* (L.) Millsp., red gram. Jan 2010. India: Coimbatore, Tamil Nadu.
- 12481 ST Jaronski (13WS33B). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12483 ST Jaronski (13WS35). *Cephus cinctus* [Hymenoptera: Cephidae]. 4 Sep 2013. USA: East Knee, Chouteau County, Montana.

Lecanicillium aphanocladii(?) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

- 7985 [ARSEF 8640; CENARGEN CG 422] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Dom Aquino, Mato Grosso. **RESTRICTED ACCESS:** consult Curator.
- 7986 *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Manaus, Amazonas. **RESTRICTED ACCESS:** consult Curator.
- 7987 Rec'd 29 Mar 2006. **RESTRICTED ACCESS:** consult Curator.

Lecanicillium evansii(?) Zare & W. Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

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- 11789 [ERL 2014] S Gouli (THR-11-6) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Underhill, Vermont.
- 11791 [ERL 2049] S Gouli and V Gouli (THR-11-38). [Thysanoptera: Thripidae]. 2011. USA: Debry, Vermont.
- 11792 [ERL 2050] S Gouli (THR-11-39) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Underhill, Vermont.
- 11793 [ERL 2051] S Gouli and V Gouli (THR-11-40). [Thysanoptera: Thripidae]. 2011. USA: Underhill, Vermont.
- 11794 [ERL 2052] S Gouli (THR-11-41) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Westfield, Vermont.
- 11795 [ERL 2053] S Gouli and V Gouli (THR-11-42). [Diptera]. 2011. USA: Underhill, Vermont.
- 11796 [ERL 2054] S Gouli (THR-11-43) and V Gouli. [Diptera: Simuliidae]. 2011. USA: Sharon Springs, New York.
- 11797 [ERL 2055] S Gouli and V Gouli (THR-11-44). [Hemiptera: Aphididae]. 2011. USA: Westfield, Vermont.
- 11804 [ERL 2062] S Gouli (THR-11-51) and V Gouli. [Hymenoptera]. 2011. USA: Westfield, Vermont.
- 11805 [ERL 2063] S Gouli and V Gouli (THR-11-52). Larva, [Coleoptera]. 2011. USA: Debry, Vermont.

- 11806 [ERL 2064] S Gouli (THR-11-53) and V Gouli. [Hymenoptera: Trichogrammatidae]. 2011. USA: Debry, Vermont.
- 11807 [ERL 2065] S Gouli and V Gouli (THR-11-54). [Protura]. 2011. USA: Westfield, Vermont.
- 11809 [ERL 2069] S Gouli and V Gouli (THR-11-58). [Thysanoptera: Thripidae]. 2011. USA: Westfield, Vermont.

Lecanicillium flavidum (W Gams & Zaayen) W Gams & Zare
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium fungicola* var. *flavidum* W Gams & Zaayen

- 4519 KT Hodge (kth14). Basidiocarp, *Entoloma* sp. [Agaricales: Entolomataceae]. 9 Jul 1994. USA: Forest Home Drive, Ithaca, New York. Mycoparasite. Original specimen deposited in the Cornell University Plant Pathology Herbarium as CUP 63313.

Lecanicillium fungicola (Preuss) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Lecanicillium fungicola* (Preuss) Hassebrauk

- 9482 [SRCAMB VL-1556/1] V Likhovidov. [Hemiptera: Aleyrodidae]. 12 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-493.
- 9483 [SRCAMB VL-2063] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from *Cordyceps* sp. Aug 2005. Belarus: Belavezhszkaya Puscha National Park. Field Collection Number F-928.

Lecanicillium fusisporum (W Gams) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium fusisporum* W Gams

- 5583 T Steenberg (MP6-9). *Myzus persicae* [Hemiptera: Aphididae]. Rec'd 17 Nov 1997. Denmark: Lyngby, Zealand. Single spore isolate from ARSEF 4078.
- 11787 [ERL 2011] S Gouli and V Gouli (THR-11-3). [Thysanoptera: Thripidae]. 2011. USA: Altona, New York.
- 11808 [ERL 2068] S Gouli (THR-11-57) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Altona, New York.

Lecanicillium fusisporum(?) (W Gams) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium fusisporum* W. Gams

- 5578 T Steenberg (625). Adult, *Musca domestica* [Diptera: Muscidae]. Aug 1997. Denmark: Store Karleby, Zealand.

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- 5579 T Steenberg (626). Adult, *Musca domestica* [Diptera: Muscidae]. Aug 1997. Denmark: Roskilde, Zealand.
- 10184 [ERL 1863] S Gouli and V Gouli (Thr.-10-71). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.
- Lecanicillium lecanii*** (Zimmermann) Zare & W Gams [Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas. Teleomorph: *Cordyceps confragosa* (Mains) GH Sung, JM Sung, Hywel-Jones & Spatafora [basonym: *Torrubiella confragosa* Mains]
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- 555 P Kanagaratnam. *Lecanium viridis* [Hemiptera: Lecaniidae] on coffee on wet leaves under coconut. Dec 1980. Sri Lanka: Bandirippuwa Est., Coconut Res. Inst, Lunuwila.
- 1351 S Balazy (1592). Rec'd 19 May 1984. Poland.
- 1505 I Majchrowicz (70) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.
- 1787 IL Sivcev (287). 3rd instar larva, *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 1 Oct 1984. Yugoslavia: PKB Commune, E. Belgrade.
- 1905 MC Rombach (14). [Araneida] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.
- 2149 DG Holdom (030386-1). *Coccus viridis* [Hemiptera: Coccidae] on coffee. 3 Mar 1986. Indonesia: Yogyakarta, Java.
- 2150 DG Holdom (030386-2). *Coccus viridis* [Hemiptera: Coccidae] on coffee. 3 Mar 1986. Indonesia: Yogyakarta, Java.
- 3387 I Majchrowicz (40). *Myzus persicae* [Hemiptera: Aphididae] on cabbage. Jul 1991. USA: laboratory cages, Yakima, Washington.
- 3683 AD Ali and M Brownbridge (F1.2) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3688 M Brownbridge (F6) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 5706 JL Hatting (4). *Diuraphis noxia* [Hemiptera: Aphididae] on *Triticum aestivum*. 5 Sep 1997. South Africa: Moorreesburg, Western Cape Province.
- 5759 BL Parker (AT 128). *Adelges tsugae* [Hemiptera: Adelgidae]. 16 Oct 1997. USA: Gillette Castle State Park, Connecticut.
- 5785 BL Parker (HWA 115/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5787 BL Parker (HWA 129). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5794 BL Parker (HWA 242/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5829 BL Parker (HWA 143/2). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 6010 BL Parker ← V Gouli (SPT-R-151). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Sep 1998. Russian Federation: Volgograd.
- 6791 FJ Posada (CEFC V-0002). Adult, *Ceroplastes* sp. [Hemiptera: Coccidae] on *Passiflora adenopoda* DC., passionflower. Jul 2000. Colombia: Greenhouse, Chinchiná, Caldas.
- 6886 H Cortez Madrigal (Vu). *Uroleucon ambrosiae* [Hemiptera: Aphididae] on weed, *Compositae*. Aug 2000. Mexico: Cárdenas, Tabasco.
- 6887 H Cortez Madrigal (Vs). [Hemiptera: Aphididae] on forest tree. 22 Jun 2000. Mexico: Huimanguillo, Tabasco.
- 6888 H Cortez Madrigal (Ve). [Hemiptera: Coccidae] on ornamental tree. 4 Nov 1999. Mexico: Cárdenas, Tabasco.
- 6915 I Klingen (NCRI 03/01/VI). *Myzus cerasi* [Hemiptera: Aphididae]. 12 Jun 2001. Norway: Kaia, Ås, Akershus.
- 7181 H Liu (MSUFS-701). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 18 Dec 2001. USA: East Lansing, Michigan.
- 7182 H Liu (MSUFS-702). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 18 Dec 2001. USA: East Lansing, Michigan.
- 7207 [CEP 057] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 7 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7385 M Liu (ml178-1). 16 Dec 2003. USA: Guilarte, Adjuntas, Puerto Rico. Cultured from *Torrubiella confragosa* Mains.
- 7408 M Liu (ml172-2). [Hemiptera: Coccoidea]. 16 Dec 2003. USA: Guilarte Forest Reserve, outside manager's office, Adjuntas, Puerto Rico. Cultured from *Torrubiella confragosa* Mains.
- 7462 [CEP 108] C López Lastra. *Myzus persicae* [Hemiptera: Aphididae] from laboratory colony. 25 Apr 2004. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
- 7530 S Keller (950). *Aphis rumicis* [Hemiptera: Aphididae]. 14 Oct 2003. Switzerland: Watt, Zurich.
- 7550 I Marchizeli Wenzel. [Hemiptera: Coccoidea]. Rec'd 24 Jan 2005. Brazil: Ubirajara, São Paulo.
- 8115 LS Bauer and H Liu (MF-204). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.

- 8295 YK Caner (21). Rec'd 22 Aug 2006. Turkey: mah 2, Seyhli, Istanbul.
11817 [ERL 2083] S Gouli and V Gouli (HWA-12-3). *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: Dummerston, Vermont.

Lecanicillium lecanii(?) (Zimmermann) Zare & Gams [Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas.

- 1109 KV Deseö (29) ← Pasqualini. *Cydia pomonella* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Ravenna, Emilia-Romagna.
3689 M Brownbridge (F7) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
3882 [ARSEF 3836] N Underwood (3836) ← S Meyer (3836). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.
3883 [ARSEF 3837] N Underwood (3837) ← S Meyer (3837). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.
3884 [ARSEF 3839] S Meyer (3839) ← N Underwood (3839). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.
4060 T Steenberg (VT2). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.
5136 S Onofri (n°1). Moss. Rec'd 26 Feb 1996. Antarctica: Crater Cirque.
5137 S Onofri (n°2). Soil. Rec'd 26 Feb 1996. Antarctica: Mt. Melbourne. Isolated from soil heated by volcanism. **RESTRICTED ACCESS:** it contact Curator.
5138 S Onofri (n°3). Moss. Rec'd 26 Feb 1996. Antarctica: Kay Island. **RESTRICTED ACCESS:** it contact Curator.
5580 T Steenberg (TT4). *Thrips tabaci* [Thysanoptera: Thripidae]. Rec'd 17 Nov 1997. Denmark.
5581 T Steenberg (VL10). [Hemiptera: Aphididae]. Rec'd 17 Nov 1997. Denmark.
5584 T Steenberg (A2). *Haematobia irritans* [Diptera: Muscidae]. Rec'd 17 Nov 1997. Denmark.
5585 T Steenberg (A16). *Haematobia irritans* [Diptera: Muscidae]. Rec'd 17 Nov 1997. Denmark.
6289 S Farrokhi (PPDRI 4). *Coccus hesperidum* [Hemiptera: Coccidae]. Oct 1996. Iran: Amal.
8293 YK Caner (14). Rec'd 22 Aug 2006. Turkey: Uzgur Köyü, Samsun.

- 8294 YK Caner (15). Rec'd 22 Aug 2006. Turkey: Yagizli, Ordu.
10195 [ERL 1873] S Gouli (Thr.-10-81) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.
11815 [ERL 2080] S Gouli (EHS-12-3) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
11972 DW Roberts (DWR 2135). Isolated from soil sample SS 19500. 8 Jun 2010. USA: Elko County, Nevada. N 41.884965, W 115.96143.

Lecanicillium longisporum (Petch) Zare & W Gams [Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas

- 321 GR Buckingham. *Rhopalosiphum nymphaeae* [Hemiptera: Aphididae]. Dec 1978. USA: Crystal River, Gainesville, Florida.
974 [GCRI 93-82a] RA Hall. [Hemiptera: Aphididae]. Acc'd 17 Oct 1983. Venezuela.
1026 [GCRI 13-74] RA Hall. *Myzus persicae* [Hemiptera: Aphididae]. 1974. India: Nagaich.
2460 TJ Poprawski (8705) ← AJ Nasca (VL-T9). *Toxoptera citricida* [Hemiptera: Aphididae]. 1984. Argentina: Tucumán. 29547.
3701 LA Lacey (059) ← BL Parker. Adult, [Thysanoptera: Thripidae]. 26 Mar 1992. France: Bellegarde, Gard.
4050 T Steenberg (299). *Tachyporus hypnorum* [Coleoptera: Staphylinidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.
5126 [Horticulture Research International 1.72] D Chandler (HRI 1.72). *Macrosiphoniella sanborni* [Hemiptera: Aphididae] on chrysanthemums in a heated greenhouse. 1972. United Kingdom: Littlehampton, West Sussex, England. Used in Vertalec.
7206 [CEP 056] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 2 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
7457 [CEP 100] C López Lastra. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 16 Mar 2004. Argentina: Bartolomé Bavio, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
7458 [CEP 101] C López Lastra. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 16 Mar 2004. Argentina: Bartolomé Bavio, Buenos Aires. **RESTRICTED ACCESS:** consult Curator.
7459 [CEP 106] C López Lastra. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 13 Apr 2004. Argentina: Bartolomé Bavio, Buenos Aires.

- 7461 [CEP 056] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 2 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires.
- 7783 [CEP 188] C López Lastra ← AC Scorsetti. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 1 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires.
- 7784 [CEP 190] C López Lastra ← AC Scorsetti. [Hemiptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 22 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires.
- 7923 KT Hodge ← MR Faria. [Hemiptera: Aphididae] on lower leaf surface of an aquatic plant. 19 Sep 2005. USA: Northeast Elementary School, Ithaca, New York.
- 8042 E Herrera Navarro (V.I. - Colima). [Hemiptera: Aphididae] collected from *Citrus limon* (L.) Burm., lemon trees. Rec'd 24 May 2006. Mexico: Colima.
- 8297 YK Caner (29). Rec'd 22 Aug 2006. Turkey: Bulancak, Giresun.
- Lecanicillium muscarium*** (Petch) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas
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- 204 RT Mietkiewski. *Macrosiphum euphorbiae* [Hemiptera: Aphididae]. 6 Feb 1978. USA: greenhouse, Orono, Maine.
- 310 H Beerman. Single spore isolate of *Vertalec*. 3 Jan 1979. Laboratory manipulation.
- 311 H Beerman. Single spore isolate of *Vertalec*. 3 Jan 1979. Laboratory manipulation.
- 312 H Beerman. Single spore isolate of *Vertalec*. 3 Jan 1979. Laboratory manipulation.
- 313 H Beerman. Single spore isolate of *Vertalec*. 3 Jan 1979. Laboratory manipulation.
- 314 H Beerman. Single spore isolate of *Vertalec*. 3 Jan 1979. Laboratory manipulation.
- 795 [ATCC 58909] GA Kuter (182). Leaf litter under sugar maple. 1975. USA: Abraham's Woods, University of Wisconsin Arboretum, Green County, Wisconsin.
- 810 E Ballard. *Ochlerotatus triseriatus* [Diptera: Culicidae]. 20 Jul 1982. USA: Berea, Kentucky.
- 811 RG Lawlor ← Tate and Lyle Ltd. Commercial formulation. Acc'd 9 Feb 1983. Laboratory manipulation.
- 900 Z Feng. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Spring 1983. USA: Batavia, New York.
- 972 [GCRI 55-81] RA Hall. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Acc'd 17 Oct 1983. Poland: glasshouse.
- 973 [GCRI 59-81] RA Hall. *Cossula cossus* [Lepidoptera: Cossidae]. Acc'd 17 Oct 1983. Italy.
- 980 [GCRI 12-74] RA Hall. *Pulvinaria floccifera* [Hemiptera: Coccidae]. Acc'd 17 Oct 1983. Turkey.
- 994 J Aoki (Vert. 1). *Adoxophyes orana* [Lepidoptera: Tortricidae]. Feb 1980. Japan: Iruma, Saitama Prefecture.
- 1002 J Aoki (Har. 1) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.
- 1029 [GCRI 8-73] RA Hall. *Saissetia oleae* [Hemiptera: Coccidae]. 1973. Israel.
- 1033 [GCRI 20-79] RA Hall. *Icerya purchasi* [Hemiptera: Margarodidae]. 1979. Sri Lanka.
- 1102 [FPMI 708] KV Deseö (6). Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Apr 1981. Italy: Galliera.
- 1328 TJ Poprawski (084). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 17 May 1983. France: Chichery.
- 1330 S Balazy (1428). Adult, [Hymenoptera: Ichneumonidae]. 1 Sep 1981. Poland: Wielkopolski National Park.
- 1332 S Balazy (1480). 16 Mar 1982. Poland: Forest Research Institute, Warsaw.
- 1334 S Balazy (1453k). Rec'd 19 May 1984. Poland.
- 1335 S Balazy (1539). Larva, *Malachius bipustulatus* [Coleoptera: Melyridae] under the stem bark of *Quercus robur* in leafy forest. 24 Apr 1983. Poland: Wielkopolski National Park.
- 1352 S Balazy (1592b). Rec'd 19 May 1984. Poland.
- 1401 TJ Poprawski (089). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.
- 1402 TJ Poprawski (090). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.
- 1403 TJ Poprawski (091). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.
- 1774 RA Humber and MC Rombach. *Coccus viridis* [Hemiptera: Coccidae] on coffee under coconut. 12 Nov 1984. Sri Lanka: Coconut Research Institute, Lunuwila.
- 2065 GC Carroll (6(HO-O-Hatch VIII)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.
- 2066 GC Carroll (4(HO-O-Hatch VIII)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.
- 2323 TJ Poprawski (8647). *Myzus* nr. *persicae* [Hemiptera: Aphididae]. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.
- 2325 Adult, *Myzus* nr. *persicae* [Hemiptera: Aphididae] on tobacco. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.
- 2326 TJ Poprawski (8650). Adult, *Myzus* nr. *persicae* [Hemiptera: Aphididae] on tobacco. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.
- 2329 TJ Poprawski (8654). Adult, [Diptera: Tipulidae] on cotton. 29 Oct 1986. France: greenhouse, Béhoust, Yvelines.

- 2334 MG Feng (SAVL8602). *Sitobion avenae* [Hemiptera: Aphididae] on wheat. 25 Jun 1986. USA: greenhouse, Moscow, Idaho.
- 2659 C Gopalakrishnan (30). [Hemiptera: Aphididae]. Rec'd Nov 1988. India.
- 2858 MG Feng (ME8701). *Macrosiphum euphorbiae* [Hemiptera: Aphididae] on field corn. Aug 1987. USA: Parma, Idaho.
- 2862 MG Feng (DN8801). *Diuraphis noxia* [Hemiptera: Aphididae] on spring wheat. 28 Jun 1988. USA: Wilder, Idaho.
- 2877 MG Feng (DN8802). *Diuraphis noxia* [Hemiptera: Aphididae] on spring wheat. 28 Jun 1988. USA: Wilder, Idaho.
- 2878 MG Feng (DN8701). *Diuraphis noxia* [Hemiptera: Aphididae] on wheat. 20 Jul 1987. USA: greenhouse, Parma, Idaho.
- 2923 MS Goettel. [Thysanoptera: Thripidae]. Rec'd 14 Dec 1989. Canada.
- 3000 MS Goettel. *Diuraphis noxia* [Hemiptera: Aphididae] on barley. 23 Oct 1989. Canada: nr. Writing-on-Stone Prov. Park, Warner County, Alberta.
- 3324 Yoder Bros. Inc. *Myzus persicae* [Hemiptera: Aphididae] on carnation. Mar 1991. USA: Salinas, California.
- 3418 K Ostrovska (27) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 3464 [NRRL 52754] D Wilson ← T Whitham. Gall, *Pemphigus betae* [Hemiptera: Aphididae] on narrowleaf cottonwood, *Populus angustifolia*. Rec'd 5 Nov 1991. USA: Arizona.
- 3531 AE Hajek (93a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Jun 1991. USA: Harris Lake, Monongalia County, West Virginia.
- 3600 AE Hajek (130). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 Jun 1991. USA: Salem Park, Ithaca, New York.
- 3601 AE Hajek (363). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 17 Jun 1991. USA: Sapsucker Woods, Ithaca, New York.
- 3684 M Brownbridge (F2.3) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3685 M Brownbridge (F3.1) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3686 M Brownbridge (F4) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3690 M Brownbridge (F9) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3691 M Brownbridge (F10) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 3709 LA Lacey (036A) ← A Kirk. Adult, [Hemiptera: Aleyrodidae]. 18 Dec 1991. Spain.
- 3740 D Lonsdale (AH1). *Cryptococcus fagisuga* [Hemiptera: Eriococcidae] beech tree (*Fagus sylvatica*). Rec'd 6 Jul 1992. United Kingdom: England.
- 3836 [NRRL 18725] S Meyer (M1S1). Rec'd 5 Jan 1993. Laboratory manipulation. Single-spored isolate of benomyl-resistant UV mutant of ATCC 58909 by USDA-ARS Nematology Laboratory (Beltsville).
- 3837 [NRRL 18728] S Meyer (M10S1). Rec'd 5 Jan 1993. Laboratory manipulation. Single-spored isolate of benomyl-resistant UV mutant of ATCC 58909 by USDA-ARS Nematology Laboratory (Beltsville).
- 3838 [NRRL 18726] S Meyer (M2S1). Rec'd 5 Jan 1993. Laboratory manipulation. Single-spored isolate of benomyl-resistant UV mutant of ATCC 58909 by USDA-ARS Nematology Laboratory (Beltsville).
- 3839 [NRRL 18727] S Meyer (M9S1). Rec'd 5 Jan 1993. Laboratory manipulation. Single-spored isolate of benomyl-resistant UV mutant of ATCC 58909 by USDA-ARS Nematology Laboratory (Beltsville).
- 3861 [ARSEF 2862] N Underwood (ARSEF2862). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 28 Jan 1993. Laboratory manipulation.
- 4033 T Steenberg (239). *Sitona lineatus* [Coleoptera: Curculionidae]. Mar 1991. Denmark: Næstved, Zealand.
- 4036 T Steenberg (244). Pupa, *Dendroctonus micans* [Coleoptera: Scolytidae]. Rec'd Nov 1993. Denmark.
- 5128 [Horticulture Research International 19.79] D Chandler (HRI 19.79). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on cucumber. 1979. United Kingdom: Littlehampton, West Sussex, England. Used in Mycotal.
- 5165 S Gouli (GP-53). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5220 [ATCC 22610; CBS 384.32] France. Type culture of *Verticillium album-minimum* (A. & R. Sartory & Meyer) Westerdijk.
- 5772 BL Parker (AT 136). *Adelges tsugae* [Hemiptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.
- 5778 BL Parker (HWA 8-1). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5779 BL Parker (HWA 8-2). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.

- 5780 BL Parker (HWA 9). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5782 BL Parker (HWA 61/2). *Adelges tsugae* [Hemiptera: Adelgidae]. 9 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5791 BL Parker (HWA 159). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5795 BL Parker (HWA 280). *Adelges tsugae* [Hemiptera: Adelgidae]. 16 May 1997. USA: Princeton, New Jersey.
- 5798 BL Parker (HWA 304). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.
- 5822 BL Parker (AT 076). *Adelges tsugae* [Hemiptera: Adelgidae]. 3 Jul 1997. USA: Crabtree Falls, Virginia.
- 5828 BL Parker (HWA 60/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1998. USA: Mt. Tom, Holyoke, Massachusetts.
- 5859 T Steenberg (SSL 615). Adult, *Musca domestica* [Diptera: Muscidae]. Mar 1997. Denmark: Stable, Helsingø, Zealand.
- 6035 BL Parker (AT-C-284). 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 4, Tree Number 16, Sichuan Province.
- 6118 BL Parker (SPT-2-311). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6591 [CCFC 006759; DAOM 198499] J Brodeur. Pupa, *Cydia pomonella* [Lepidoptera: Tortricidae]. 1 Jun 1988. Canada: Cantley, Québec.
- 6699 *Hemileia vastatrix* [Uredinales] coffee rust. Rec'd 17 Jan 2001. Ethiopia: Kefa.
- 6792 FJ Posada (CEFC V-0003). Adult, *Coccus viridis* [Hemiptera: Coccidae] on *Coffea arabica* L., coffee. Jul 2000. Colombia: Field, Palestina, Caldas.
- 6914 I Klingen (NCRI 04/01/VI). *Myzus cerasi* [Hemiptera: Aphididae]. 4 Jul 2001. Norway: Agnes Volent, Klokkarstua, Hurum, Buskerud.
- 7034 RG Hollingsworth (KNF2002-4). [Hemiptera: Aphididae]. 26 Jan 2002. USA: Hilo, Hawai'i.
- 7037 RG Hollingsworth (KNF2002-7). [Hemiptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.
- 7224 [SRCAMB B-266] V Likhovidov ← BA Borisov. [Diptera]. 11 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-307.
- 7248 JM Sung (EFCC 2011). [Coleoptera: Curculionidae]. 20 May 1998. Republic of Korea: Guryungryung, Kangwon-do.
- 7375 D Held. *Ceroplastes* sp. [Hemiptera: Coccidae] on *Ilex* sp., holly. 26 May 2004. USA: Green Forest Nursery, Perkinston, Mississippi.
- 7460 [CEP 054] C López Lastra. *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 6 Jun 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**
- 7568 I Klingen (NCRI 227/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7620 [SRCAMB VL-1124/1] V Likhovidov. Phylum Arthropoda, Class Insecta. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-169.
- 7621 [SRCAMB VL-770/2] V Likhovidov. Pupa, [Lepidoptera]. Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-167.
- 7631 [SRCAMB B-409] V Likhovidov ← BA Borisov. *Phragmidium* sp. [Pucciniales: Phragmidiaceae] on *Rubus* sp., blackberry. Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-222.
- 7633 [SRCAMB VL-43] V Likhovidov. [Hemiptera: Coccoidea]. Sep 2001. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-246.
- 7738 [SRCAMB B-234/3] V Likhovidov ← BA Borisov. Adult, [Lepidoptera] Isolated from synnema of *Akanthomyces* sp.. 12 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-314.
- 7781 [CEP 063] C López Lastra ← A Toledo. Adult, female, *Delphacodes kuscheli* [Hemiptera: Delphacidae] reared on *Hordeum vulgare* L., barley. 28 Aug 2003. Argentina: greenhouse at CEPAVE, La Plata, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**
- 7782 [CEP 182] C López Lastra ← AC Scorsetti. *Myzus persicae* [Hemiptera: Aphididae] Laboratory colony. 29 Dec 2004. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**
- 7785 [CEP 194] C López Lastra ← AC Scorsetti. *Aphis fabae* [Hemiptera: Aphididae] on *Solanum melongena* L., eggplant. 22 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires. **RESTRICTED ACCESS: consult Curator.**
- 7994 BC King (20). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AJ292388 (100%) ITS. **RESTRICTED ACCESS: consult Curator.**
- 8041 [ATCC 26854] E Herrera Navarro (V.I. - UAM). *Parthenolecanium corni* [Hemiptera: Coccidae]. Rec'd 24 May 2006. Czechoslovakia.
- 8048 HH Kope (PFC 5). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Eve River, Vancouver Island, British Columbia. 50°17' N, 126°18' W.

- 8049 HH Kope (PFC 6). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Eve River, Vancouver Island, British Columbia. 50°17' N, 126°18' W.
- 8050 HH Kope (PFC 9). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.
- 8051 HH Kope (PFC 10). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Nimpkish, Vancouver Island, British Columbia. 50°19' N, 126°54' W.
- 8052 HH Kope (PFC 11). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Nimpkish, Vancouver Island, British Columbia. 50°19' N, 126°54' W.
- 8053 HH Kope (PFC 12). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Cowichan Lake, Vancouver Island, British Columbia. 48°50' N, 124°06' W.
- 8054 HH Kope (PFC 15). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.
- 8114 LS Bauer and H Liu (MF-203). 4th instar larva, *Agrius planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.
- 8118 LS Bauer and H Liu (MF-208). 4th instar larva, *Agrius planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.
- 8157 LS Bauer and H Liu (MF-248). 4th instar larva, *Agrius planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.
- 8163 LS Bauer and H Liu (MF-254). 4th instar larva, *Agrius planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Ann Arbor, Michigan.
- 8165 LS Bauer and H Liu (MF-257). 4th instar larva, *Agrius planipennis* [Coleoptera: Buprestidae]. 10 Aug 2006. USA: Ann Arbor, Michigan.
- 8296 YK Caner (24). Rec'd 22 Aug 2006. Turkey: mah 1, Seyhli, Istanbul.
- 8642 YK Caner (2.23). Rec'd 13 Jul 2007. Turkey: Piraziz, Giresun.
- 8714 KL Perry. *Myzus persicae* [Hemiptera: Aphididae] on potato leaves in laboratory incubator colonies. Rec'd 16 Apr 2008. USA: Cornell University, Virology-Nematology Laboratory and Greenhouse, Ithaca, New York.
- 8923 [ERL 281] BL Parker (AVRDC 0588B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 9267 Z Demirbag and E Tanyeli (Dm-1). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.
- 9268 Z Demirbag and E Tanyeli (Dm-2). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.
- 9467 [SRCAMB VL-779] V Likhovidov. [Araneida] Isolated from fungal synnema. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-300.
- 9468 [SRCAMB B-244] V Likhovidov ← BA Borisov. Adult, [Lepidoptera]. 12 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-310.
- 9469 [SRCAMB B-245/2] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps militaris*. 13 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-353.
- 9470 [SRCAMB VL-1713/2] V Likhovidov. [Diptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-775.
- 9471 [SRCAMB VL-2004] V Likhovidov. [Pucciniales]. 23 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-886.
- 9472 [SRCAMB VL-2017] V Likhovidov. [Pucciniales]. 21 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-889.
- 9477 [SRCAMB B-234/1] V Likhovidov ← BA Borisov. [Lepidoptera]. Aug 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-582.
- 10173 [ERL 1851] S Gouli and V Gouli (Thr.-10-59). [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.
- 10178 [ERL 1857] S Gouli and V Gouli (Thr.-10-65). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.
- 11307 DW Roberts (DWR 1616). Isolated from soil sample SS 16413. 10 Aug 2009. USA: Yakima County, Washington. N 46.4043, W 120.77586.
- 11730 I Erper (TR-04). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Ordu Province.
- 11731 I Erper (TR-05). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Samsun Province.
- 11733 I Erper (TR-07). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Ordu Province.
- 11734 I Erper (TR-08). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Düzce Province.
- 11736 I Erper (TR-10). *Parthenolecanium* sp. [Hemiptera: Coccidae]. Rec'd 6 Feb 2012. Turkey: Trabzon Province.
- 11802 [ERL 2060] S Gouli (THR-11-49) and V Gouli. [Lepidoptera]. 2011. USA: Rupert, Vermont.

- 11803 [ERL 2061] S Gouli and V Gouli (THR-11-50). *Ips* sp. [Coleoptera: Scolytidae]. 2011. USA: Orford, New Hampshire.
- 11818 [ERL 2084] S Gouli (HWA-12-4) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: Wilton, New Hampshire.
- 12053 [ERL 2140] S Gouli and V Gouli (PS-12/2). Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Carya* sp., hickory. Sep 2012. USA: Charlestown, Rhode Island.

***Lecanicillium muscarium* (?)** (Petch) Zare & Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas.

- 1032 [GCRI 80-82] RA Hall. *Cydia pomonella* [Lepidoptera: Tortricidae]. 1982. Australia.
- 3687 M Brownbridge (F5) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.
- 5777 BL Parker (HWA 4). *Adelges tsugae* [Hemiptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts. Strong hints of *Lecanicillium longisporum*, but some conidia too small. .
- 8162 LS Bauer and H Liu (MF-253). 4th instar larva, *Agrius planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Ann Arbor, Michigan.
- 8265 RJ Pereault (Walton Spray pci#2). *Conotrachelus nervuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.
- 9462 [SRCAMB VL-2112] V Likhovidov. *Phragmidium* sp. [Pucciniales: Phragmidiaceae] on *Rubus* sp., blackberry. Oct 2006. Ukraine: Odessa Oblast. Field Collection Number F-144.
- 9463 [SRCAMB B-410] V Likhovidov ← BA Borisov. [Hemiptera: spf. Coccoidea]. Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-224.
- 9464 [SRCAMB B-322] V Likhovidov ← BA Borisov. [Hemiptera: Aleyrodidae]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-327.
- 11816 [ERL 2082] S Gouli (HWA-12-2) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: East Granby, Connecticut.

Lecanicillium nodulosum (Petch) Zare & W. Gams
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Variable sizes of conidia, 2-6 μ m long, and short *L. lecanii*-like apical sides are close match to description and illustrations in Zare & Gams (2001).

- 4064 T Steenberg (BT3). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

Lecanicillium* nr. *aranearum (Petch) Zare & Gams
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Reclassified from *Verticillium* Section Prostrata for phylogenetically required reasons.

- 9460 [SRCAMB VL-2092] V Likhovidov. [Coleoptera: Lampyridae]. 25 Aug 2006. Russian Federation: Moscow Region. Field Collection Number F-1104.
- 11799 [ERL 2057] S Gouli and V Gouli (THR-11-46). *Ips* sp. [Coleoptera: Scolytidae]. 2011. USA: Debry, Vermont.
- 11811 [ERL 2071] S Gouli and V Gouli (THR-11-60). [Coleoptera: Elateridae]. 2011. USA: Sharon Springs, New York.

Lecanicillium* nr. *lecanii

[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 10190 [ERL 1868] S Gouli and V Gouli (Thr.-10-76). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

Lecanicillium pissodis Kope & I. Leal

[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 8055 [DAVFP 29230] HH Kope (PFC 17). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.
- 8056 [DAVFP 29231] HH Kope (PFC 18). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.
- 8057 [CBS 118231; DAVFP 29232] HH Kope (PFC 19). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W. CULTURE EX TYPE.

Lecanicillium psalliotae (Treschow) Zare & W Gams
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Verticillium psalliotae* Treschow

- 2234 LS Osborne (UK-3(3)). *Rhizoecus* sp. [Hemiptera: Pseudococcidae] in soil. Acc'd 8 Sep 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.
- 2235 LS Osborne (UK-3(2)). *Rhizoecus* sp. [Hemiptera: Pseudococcidae] in soil. Acc'd 8 Sep 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.
- 2332 MG Feng (SA8601). *Sitobion avenae* [Hemiptera: Aphididae] on spring wheat. 25 Jul 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.

- 3416 K Ostrovska (25) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.
- 4960 N Viaene (11). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae] Elba muck. 13 Jul 1992. USA: Elba, New York.
- 4965 N Viaene (27). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Jacobson onion field, Oswego, New York.
- 5249 [ATCC 14495; CBS 154.61] *Olivea colebrookeae* [Uredinales] on *Colebrookea oppositifolia*. Acc'd 19 Aug 1996. India: Khandala. Type culture of *Cephalosporium curtipes* Sacc. var. *uredinicola* Sukap. & Thirum.
- 5582 T Steenberg (BT5). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Rec'd 17 Nov 1997. Denmark: Greenhouse, Lyngby, Zealand.
- 5666 BL Parker (SPT-005). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.
- 5681 BL Parker (SPT-077). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5683 BL Parker (SPT-079). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5685 BL Parker (SPT-087). [Lepidoptera]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.
- 5763 BL Parker (SPT 051). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5835 BL Parker (SPT 052). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 6071 BL Parker (SPT-U-285). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.
- 6436 DEN Rangel (JAB 13). Biotype B, *Bemisia tabaci* [Hemiptera: Aleyrodidae] on poinsettia. 3 Sep 1999. Brazil: Glasshouse, FCAV/UNESP, Jaboticabal, São Paulo.
- 6581 G Sewify (3). *Icerya aegyptica* [Hemiptera: Margarodidae]. May 2000. Egypt.
- 6582 G Sewify (4). *Icerya aegyptica* [Hemiptera: Margarodidae]. May 2000. Egypt.
- 8468 WC Luz (eco 28). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8890 G George-Ambrose (SLUMAFFE 1). *Raoiella indica* [Acari: Tenuipalpidae]. Rec'd 12 Jan 2009. Saint Lucia.
- 9473 [SRCAMB VL-1540] V Likhovidov. Larva, Phylum Arthropoda, Class Insecta. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-467.
- 9474 [SRCAMB VL-2011] V Likhovidov. [Hemiptera: Aphididae]. 5 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-859.
- 10170 [ERL 1842] S Gouli (Thr.-10-50) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.
- 10175 [ERL 1854] S Gouli (Thr.-10-62) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10176 [ERL 1855] S Gouli and V Gouli (Thr.-10-63). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10177 [ERL 1856] S Gouli (Thr.-10-64) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.
- 10179 [ERL 1858] S Gouli (Thr.-10-66) and V Gouli. [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.
- 10180 [ERL 1859] S Gouli and V Gouli (Thr.-10-67). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.
- 10181 [ERL 1860] S Gouli (Thr.-10-68) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
- 10182 [ERL 1861] S Gouli and V Gouli (Thr.-10-69). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
- 10187 [ERL 1865] S Gouli (Thr.-10-73) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10188 [ERL 1866] S Gouli and V Gouli (Thr.-10-74). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- 10189 [ERL 1867] S Gouli (Thr.-10-75) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
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- Lecanicillium psalliotae*(?) (Treschow) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium psalliotae* Treschow
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- 4867 BL Parker (AVRDC-0558B). Soil Allium. 3 Nov 1995. Republic of China: AVRDC Field #92, Taiwan.
- 10183 [ERL 1862] S Gouli (Thr.-10-70) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.
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- Lecanicillium* sp. 2(?) sensu W. Gams & Zare
[Sordariomycetes: Hypocreales]
Cordycipitaceae
-
- 2832 SR Sánchez Peña (2). [Coleoptera]. Jul 1987. Mexico: elev. 2900 m, Pseudotsuga-Abies forest, Pueblo Nuevo, Durango.

***Lecanicillium wallacei*(?)** HC Evans

[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 10172 [ERL 1849] S Gouli and V Gouli (Thr.-10-57). [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.
- 10174 [ERL 1852] S Gouli (Thr.-10-60) and V Gouli. [Diptera] fungus gnats. 2010. USA: Rupert, Vermont.

***Lecanicillium*(?) sp.**

[Sordariomycetes: Hypocreales]

Cordycipitaceae

- 9369 [ERL 1669] S Gouli and V Gouli (HWA-G-23). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: Massachusetts.
- 10235 2010.
- 10253 2010.
- 10256 2010.
- 10257 2010.
- 10259 2010.

Lecophagus muscicola (G.L. Barron, T. Morik. & Saikawa) Y. Tanabe, Nagah., Saikawa & Sugiy.

[Zoopagomycotina: Zoopagales]

Zoopagaceae

- 12621 CG Wilson (JPG1). *Adineta* sp. [Bdelloida: Adinetidae] collected from moss on a rock. 18 Nov 2013. United Kingdom: Japanese Garden, Silwood Park, Berkshire, England.

***Legeriosimilis* sp.**

[Kickxellomycotina: Harpellales]

- 9066 RW Lichtwardt (ALG-10-W3). [Trichoptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

***Leptolegnia* sp.**

[Oomycetes: Saprolegniales]

Leptolegniaceae

- 2004 [ATCC 58384] BA Jaffee (WPG). *Xiphinema* sp. [Dorylaimida: Longidoridae]. 23 Jul 1984. USA: Snyder County, Pennsylvania.
- 12831 [IP 397] Larva, captured by net 7 Dec 2014. Brazil: Aruanã, Goiás. S 14° 48' 45.18", W 51° 04' 37.82". **RESTRICTED ACCESS:** *contact Curator.*
- 12832 [IP 398] Sentinel larva, 2015. Turtle Lake. S 16° 26' 15.58", W 49° 06' 21.85". **RESTRICTED ACCESS:** *contact Curator.*
- 12833 [IP 399] Sentinel larva, 2015. Turtle Lake. S 16° 26' 15.81", W 49° 06' 21.27". **RESTRICTED ACCESS:** *contact Curator.*
- 12834 [IP 400] Sentinel larva, Jan 2015. Turtle Lake. S 16° 26' 19.19", W 49° 06' 21.78". **RESTRICTED ACCESS:** *contact Curator.*

- 12835 IP (401). Sentinel larva, Jan 2015. Turtle Lake. S 16° 26' 18.67", W 49° 06' 21.21". **RESTRICTED ACCESS:** *contact Curator.*

- 12836 [IP 402] Sentinel larva, Jan 2015. Turtle Lake. S 16° 26' 18.11", W 49° 06' 20.21". **RESTRICTED ACCESS:** *contact Curator.*

Leptolegnia chapmanii Seymour

[Oomycetes: Saprolegniales]

Leptolegniaceae

- 2562 [ARSEF 2680] JC Lord (Bartow A). *Mansonia titillans* [Diptera: Culicidae]. 8 Feb 1988. USA: abandoned phosphate pit, Bartow, Florida.
- 2680 [ARSEF 2562] JC Lord (Bartow A). *Mansonia titillans* [Diptera: Culicidae]. Rec'd 6 Feb 1989. USA: abandoned phosphate pit, Bartow, Florida.
- 2681 JC Lord ← TJ McInnis. *Culex pipiens quinquefasciatus* [Diptera: Culicidae]. Rec'd 6 Feb 1989. USA: Clemson, South Carolina. Ex-epitype culture.
- 2682 JC Lord. *Culex* sp. [Diptera: Culicidae]. 1987. USA: ground pool, Levy County, Florida.
- 5499 C López Lastra. 4th instar larva, *Aedes albifasciatus* [Diptera: Culicidae]. 25 Sep 1996. Argentina: Pond located in Melchor Romero, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator.*
- 6718 C López Lastra. 3rd instar larva, *Aedes aegypti* [Diptera: Culicidae]. Rec'd 19 Feb 2001. USA: Ithaca, New York. Laboratory reisolation of ARSEF 5499. **RESTRICTED ACCESS:** *consult Curator.*
- 7787 [CEP 196] C López Lastra. Larva, *Aedes albifasciatus* [Diptera: Culicidae]. 20 May 2005. Argentina: CEPAVE, La Plata, Buenos Aires. Re-isolated following passage through *Aedes aegypti* [Diptera: Culicidae] larva. **RESTRICTED ACCESS:** *consult Curator.*
- 12817 [CsF 181; IP 394] C Montalva. Sentinel larva, *Aedes aegypti* [Diptera: Culicidae] from floating trap collected after 24 hours. 6 Sep 2014. Lago Nery. **RESTRICTED ACCESS:** *contact Curator.*
- 12818 [CsF 193; IP 393] C Montalva. Sentinel larva, *Aedes aegypti* [Diptera: Culicidae] from floating trap collected after 24 hours. 10 Sep 2014. Brazil: Campus Samambaia, Universidade Federal de Goiás, Goiânia, Goiás. UTM Coordinates: 22K 0683232, 8164345. **RESTRICTED ACCESS:** *contact Curator.*
- 12819 [CsF 281; IP 390] C Montalva. Sentinel larva, *Aedes aegypti* [Diptera: Culicidae] from floating trap collected after 24 hours. 8 Oct 2014. Lago Verde. UTM Coordinates: 22K 0674783, 8165050. 754 m elevation, pH 4.3. **RESTRICTED ACCESS:** *contact Curator.*
- 12820 [CsF 295; IP 395] C Montalva. Sentinel larva, *Aedes aegypti* [Diptera: Culicidae] from floating trap collected after 24 hours. 18 Oct 2014. Lago Escola SB. UTM Coordinates: 22K 0700456, 8182416. 801

m elevation, pH 7.3. **RESTRICTED ACCESS:**
contact Curator.

- 12827 [CsF 169; IP 389] C Montalva. Sentinel larva, *Aedes aegypti* [Diptera: Culicidae] from floating trap collected after 24 hours. 30 Aug 2014. RPPN SB. UTM Coordinates: 22K 0703330, 8183837. **RESTRICTED ACCESS:** *contact Curator.*
- 12828 [CsF 180; IP 390] C Montalva. Sentinel larva, *Aedes aegypti* [Diptera: Culicidae] from floating trap collected after 24 hours. 6 Sep 2014. Lago Nery. **RESTRICTED ACCESS:** *contact Curator.*
- 12829 [CsF 191; IP 392] C Montalva. Sentinel larva, *Aedes aegypti* [Diptera: Culicidae] from floating trap collected after 24 hours. 10 Sep 2014. Brazil: Campus Samambaia, Universidade Federal de Goiás, Goiânia, Goiás. UTM Coordinates: 22K 0683224 8164318. **RESTRICTED ACCESS:** *contact Curator.*

Macrobotophthora vermicola (McCulloch) Tucker
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

650 EC Bernard. *Cruznema lambdiense* [Rhabditida:
Rhabditidae]. 1977. USA: Tennessee.

Mariannaea elegans (Corda) Samson
[Sordariomycetes: Hypocreales]
Nectriaceae. Anamorph of *Nectria mariannaeae* Samuels
& Seifert.

- 5338 KT Hodge (kth9). From dead wood in moist chamber. Apr 1992. USA: CU Plantations, Mundy Wildflower Garden, Ithaca, New York.
- 5349 [CBS 745.88] GJ Samuels ← CT Rogerson (71-199). on pine. 25 Jul 1971. Venezuela: Parq. Nac. Sierre Nevada, 7 km E of Tabay, above fish hatchery at La Mucuy, La Mucuy, Merida. Culture ex holotype, *Nectria mariannaeae* Samuels & Seifert. Collector Dumont (VE 2980) Samuels & Borjas.
- 5350 [CBS 746.88] GJ Samuels ← CT Rogerson (71-13). From bark. 11 Jan 1971. Jamaica: Vic. Dick's Pond, W of Hardwar Gap, near Holywell Rec. Area and Wag Water River, St. Andrew Parish. Culture ex paratype, *Nectria mariannaeae* Samuels & Seifert. Collector Korf & al. (CUP-MJ 789) .
- 9455 [SRCAMB VL-1718] V Likhovidov. Larva, [Diptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-1099.
- 9456 [SRCAMB B-450] V Likhovidov ← BA Borisov. Larva, [Diptera]. 2004. Russian Federation: Moscow Region. Field Collection Number F-939.

Mariannaea pruinosa Liang
[Sordariomycetes: Hypocreales]
Cordycipitaceae; correct generic assignment remaining to
be determined.

5413 ZQ Liang (CGAC-2281). *Iragoides fasciata* [Lepidoptera: Limacodidae]. Rec'd Fall 1996. PR China: tea

garden, Guiyang City , Guizhou Province. Conidial production occurs in visible light (produces few conidia in darkness).

Mariannaea sp.

[Sordariomycetes: Hypocreales]

Cordycipitaceae; correct generic assignment remaining to
be determined.

- 2930 [IMI 331276] M Skinner (PT-11). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae] from soil. Rec'd 10 Jan 1990. USA: sugar maple stand, Randolph, Vermont.
- 3252 M Brownbridge (A). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.
- 3257 M Brownbridge (F). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 22 Feb 1991. USA: Agway Research Farm, Tully, New York.
- 3258 M Brownbridge (G). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: B. Bascone, Sullivan County, New Hampshire.
- 3261 M Brownbridge (K). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 7 Dec 1990. USA: Williamstown, Massachusetts.
- 3262 M Brownbridge (L). Discolored larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 7 Dec 1990. USA: Williamstown, Massachusetts.
- 3263 M Brownbridge (M). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Clark, Massachusetts.
- 3264 M Brownbridge (N). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3265 M Brownbridge (O). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3267 M Brownbridge (Q). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3268 M Brownbridge (R). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3269 M Brownbridge (S). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3270 M Brownbridge (T). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.
- 3315 M Brownbridge (DT-122). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.
- 3316 M Brownbridge (Williams). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: William's sugar maple stand, Orange County, Vermont.

- 3317 M Brownbridge (Perry 2). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.
- 3549 M Brownbridge (R-11). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Thurber's sugar maple stand, Windham County, Vermont.
- 3554 M Brownbridge (R-20.1). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Twitchell's sugar maple stand, Bennington County, Vermont.
- 3555 Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Twitchell's sugar maple stand, Bennington County, Vermont.
- 3557 M Brownbridge (R-23). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3558 M Brownbridge (R-25). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3559 M Brownbridge (R-27). Brown mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Begin's sugar maple stand, Windsor County, Vermont.
- 3562 M Brownbridge (R-31). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.
- 3563 M Brownbridge (R-34). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.
- 9932 [ERL 1776] S Gouli (Thr.-09-8) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9933 [ERL 1777] S Gouli and V Gouli (Thr.-09-9). [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9934 [ERL 1778] S Gouli (Thr.-09-10) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.
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- 10153 [ERL 1813] S Gouli and V Gouli (Thr.-10-31). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.
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- 10205 [ERL 1883] S Gouli (Thr.-10-91) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.
- 11812 [ERL 2072] S Gouli (THR-11-61) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Debray, Vermont.
- 11813 [ERL 2073] S Gouli and V Gouli (THR-11-62). [Thysanoptera: Thripidae]. 2011. USA: Debray, Vermont.
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- Massospora cicadina* Peck**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.
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- 374 RS Soper. *Magicicada septendecim* [Hemiptera: Cicadidae]. 16 Jun 1979. USA: Mohawk Lake Preserve, New Paltz, New York.
- Metapochonia bulbilosa* (W Gams & Malla) Kepler, SA Rehner & Humber**
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonyms: *Verticillium cephalosporum* W Gams and *Pochonia bulbilosa* (W Gams & Malla) Zare & W Gams
-
- 11800 [ERL 2058] S Gouli (THR-11-47) and V Gouli. [Diptera: Muscidae]. 2011. USA: Sharon Springs, New York.
- Metapochonia bulbilosa*(?) (W Gams & Malla) Zare & W Gams**
[Sordariomycetes: Hypocreales]
Clavicipitaceae.
-
- 1365 S Balazy (1615). Rec'd 19 May 1984. Poland.
- 3035 W Mechaber (weevil#2209). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Gaylussacia baccata*. 20 May 1990. USA: Carver, Massachusetts.
- Metapochonia microbactrospora* (W Gams & Zare) Kepler, SA Rehner & Humber**
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Basionym: *Pochonia microbactrospora* W Gams & Zare
-
- 5616 SL Glockling (CM2a). Phylum Nemata from cow manure. 4 Aug 1997. United Kingdom: N.E. England.
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Metapochonia suchlasporia (W Gams & Dackman)

Zare & W Gams

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Synonyms: *Verticillium suchlasporum* W Gams & Dackman; *Pochonia suchlaspora* W Gams & Dackman) Zare & W Gams

9495 [SRCAMB B-247] V Likhovidov ← BA Borisov. Larva, Phylum Arthropoda, Class Insecta Isolated from stroma of *Cordyceps* sp. 14 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-308.

Metarhiziopsis microspora D-W Li, R Cowles, & C

Vossbrinck

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

8676 DW Li. *Fiorinia externa* [Hemiptera: Diaspididae]. Oct 2006. USA: Coventry, Connecticut. 41°47.25' N, 72°21.50' W. Holotype deposited as BPI 878276. CULTURE EX TYPE.

8984 [ERL 1349] VS Gouli (EHS-333). *Fiorinia externa* [Hemiptera: Diaspididae]. 2006. USA: Massachusetts.

8985 [ERL 1350] VS Gouli (EHS-344). *Fiorinia externa* [Hemiptera: Diaspididae]. 2006. USA: Massachusetts.

8986 [ERL 1497] VS Gouli (EHS-269). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: New York.

8987 [ERL 1499] S Gouli (EHS-271). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: New York.

8988 [ERL 1502] VS Gouli (EHS-274). *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: New York.

11842 [ERL 2023] S Gouli and V Gouli (EHS-11-1). *Fiorinia externa* [Hemiptera: Diaspididae]. 2011. USA: Harriman State Park, New York.

11843 [ERL 2024] S Gouli (EHS-12-1) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.

11851 [ERL 2032] S Gouli (EHS-11-2) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2011. USA: Love Lane, New Hampshire.

***Metarhizium* sp.**

[Sordariomycetes: Hypocreales]

Clavicipitaceae

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3613 IMI (I91-647). *Hieroglyphus daganensis*. Rec'd 26 Feb 1992. Benin.

3617 IMI (I91-674). *Acrida bicolor*. Rec'd 26 Feb 1992. Tchad.

3643 CENARGEN (CG 349) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3767 DW Roberts ← A Bellotti (9241). 21 Apr 1992. Colombia.

4165 [DAT 193] AC Rath (F193) ← H Yip (HY168). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.

4368 LA Lacey (94118). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4370 LA Lacey (94120). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4371 LA Lacey (94121). Soil Galleria. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4372 LA Lacey (94122). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

4373 LA Lacey (94123). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

4374 LA Lacey (94124). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

4375 LA Lacey (94125). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

4997 SR Booth (Waara). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 9 May 1995. USA: Cranberry bog, Grayland, Washington.

4998 SR Booth (Gant). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 1 Jun 1995. USA: Cranberry bog, Bandon, Oregon.

4999 SR Booth (Quinby; MSP). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 9 May 1995. USA: Cranberry bog, Grayland, Washington.

5000 SR Booth (Scherer). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 1 Jun 1995. USA: Cranberry bog, Bandon, Oregon.

5001 SR Booth (Johnson). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jul 1995. USA: Cranberry bog, Grayland, Washington.

5076 SR Booth (Warnock). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 23 Apr 1995. USA: Cranberry bog, Bandon, Oregon.

5077 SR Booth (McMahon). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 23 Feb 1995. USA: Cranberry bog, Bandon, Oregon.

5139 SR Booth (Dibkey). Soil. 28 Feb 1994. USA: Cranberry bog, Grayland, Washington.

6413 EA Ouna (Kutui-4). Rec'd 22 Dec 1999.

7389 M Liu (ml193). 17 Dec 2003. USA: Toro Negro, Puerto Rico.

7493 [CSIRO FI-1358] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 23 Jul 1999. Laboratory infection.

7495 [CSIRO FI-1395] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 27 Dec 1999. Australia: Condong, New South Wales.

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7643 [SRCAMB VL-271] V Likhovidov. *Agelastica alni* [Coleoptera: Chrysomelidae]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-231.

- 7645 [SRCAMB B-415] V Likhovidov ← BA Borisov. Larva, [Hemiptera: Cicadidae]. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-362.
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- 8852 [CSIRO FI-1345] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 71. Jun 1999. Australia: Condong, New South Wales.
- 8855 [CSIRO FI-1352] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 420. 23 Jul 1999. Australia: Condong, New South Wales.
- 8856 [CSIRO FI-1353] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 334. 23 Jul 1999. Australia: Condong, New South Wales.
- 8857 [CSIRO FI-1354] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 349. 23 Jul 1999. Australia: Condong, New South Wales.
- 9592 [ERL 1056] S Gouli (IMI-33/WFT) and V Gouli. 2006.
- 9617 DW Roberts (DWR 356). Isolated from soil sample SS 0470. 14 Jun 2006. USA: Flaming Gorge National Recreation Area, Utah. N 40 51.222, W 109 33.964.
- 9618 DW Roberts (DWR 357). Isolated from soil sample SS 0715. 6 Aug 2007. USA: Grant County, North Dakota. N 46 59.052, W 101 30.944.
- 9619 DW Roberts (DWR 358). Isolated from soil sample SS 0520. 14 May 2007. USA: Charlottesville, Virginia.
- 9620 DW Roberts (DWR 364). Isolated from soil sample SS 1070. 2 Aug 2007. USA: Rolette County, North Dakota. N 48.8194, W 100.0704.
- 9621 DW Roberts (DWR 365). Isolated from soil sample SS 1072. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.6036, W 100.6033.
- 9622 DW Roberts (DWR 366). Isolated from soil sample SS 1090. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9718, W 100.777.
- 9623 DW Roberts (DWR 367). Isolated from soil sample SS 1100. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.871, W 100.4677.
- 9624 DW Roberts (DWR 368). Isolated from soil sample SS 1102. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.001, W 100.7072.
- 9625 DW Roberts (DWR 369). Isolated from soil sample SS 1104. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.232, W 100.453.
- 9626 DW Roberts (DWR 379). Isolated from soil sample SS 1082. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.7622, W 101.2995.
- 9627 DW Roberts (DWR 380). Isolated from soil sample SS 1093. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5478, W 100.6723.
- 9628 DW Roberts (DWR 381). Isolated from soil sample SS 1106. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.7698, W 100.4680.
- 9629 DW Roberts (DWR 382). Isolated from soil sample SS 0644. Summer 2007. USA: Dewey County, South Dakota. N 45.1538, W 100.388646.
- 9630 DW Roberts (DWR 383). Isolated from soil sample SS 1072. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.6036, W 100.6033.
- 9631 DW Roberts (DWR 384). Isolated from soil sample SS 1084. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.951, W 101.3027.
- 9632 DW Roberts (DWR 385). Isolated from soil sample SS 1083. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.8205, W 100.49503.
- 9633 DW Roberts (DWR 386). Isolated from soil sample SS 1090. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9718, W 100.777.
- 9634 DW Roberts (DWR 387). Isolated from soil sample SS 1094. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.683, W 100.494.
- 9635 DW Roberts (DWR 388). Isolated from soil sample SS 1106. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.7698, W 100.4680.
- 9636 DW Roberts (DWR 389). Isolated from soil sample SS 1153. 28 Sep 2007. USA: Gila County, Arizona. N 33.02294, W 110.73784.
- 9637 DW Roberts (DWR 390). Isolated from soil sample SS 1076. 3 Aug 2007. USA: Lincoln County, Nebraska. N 40.9049, W 100.4918.
- 9638 DW Roberts (DWR 391). Isolated from soil sample SS 1100. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.871, W 100.4677.
- 9639 DW Roberts (DWR 392). Isolated from soil sample SS 1093. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5478, W 100.6723.
- 9640 DW Roberts (DWR 393). Isolated from soil sample SS 1104. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.232, W 100.453.
- 9641 DW Roberts (DWR 456). Isolated from soil sample SS 1025. 20 Aug 2007. USA: Gila County, Arizona. N 34.30316, W 111.35052.
- 9642 DW Roberts (DWR 457). Isolated from soil sample SS 1079. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9663, W 100.67.
- 9643 DW Roberts (DWR 459). Isolated from soil sample SS 1016. 20 Aug 2007. USA: Yavapai County, Arizona. N 34.27512, W 112.26281.
- 9644 DW Roberts (DWR 460). Isolated from soil sample SS 1105. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.029, W 100.452.
- 9645 DW Roberts (DWR 461). Isolated from soil sample SS 1098. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5035, W 100.614.

- 9646 DW Roberts (DWR 462). Isolated from soil sample SS 1103. 6 Aug 2007. USA: McHenry County, North Dakota. N 47.950, W 100.455.
- 9647 DW Roberts (DWR 463). Isolated from soil sample SS 1112. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.1781, W 100.929.
- 9648 DW Roberts (DWR 464). Isolated from soil sample SS 1092. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.82966, W 100.59928.
- 9649 DW Roberts (DWR 465). Isolated from soil sample SS 1086. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.8735, W 101.3013.
- 9650 DW Roberts (DWR 471). Isolated from soil sample SS 0744. 6 Aug 2007. USA: Morton County, North Dakota. N 46.55247, W 101.27917.
- 9651 DW Roberts (DWR 472). Isolated from soil sample SS 1154. 28 Sep 2007. USA: Gila County, Arizona. N 33.02332, W 110.73669.
- 9652 DW Roberts (DWR 473). Isolated from soil sample SS 1180. 28 Sep 2007. USA: Gila County, Arizona. N 33.02321, W 110.7371.
- 9653 DW Roberts (DWR 478). Isolated from soil sample SS 1274. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.131, W 111 49.369.
- 9654 DW Roberts (DWR 479). Isolated from soil sample SS 1277. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.126, W 111 49.341.
- 9655 DW Roberts (DWR 480). Isolated from soil sample SS 1274. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.131, W 111 49.369.
- 9656 DW Roberts (DWR 484). Isolated from soil sample SS 1065a. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.889, W 100.4711.
- 9657 DW Roberts (DWR 485). Isolated from soil sample SS 1065b. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.889, W 100.4711.
- 9658 DW Roberts (DWR 497). Isolated from soil sample SS 1346. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9659 DW Roberts (DWR 498). Isolated from soil sample SS 1362. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9660 DW Roberts (DWR 499). Isolated from soil sample SS 1393. 8 Aug 2008. USA: Blaine County, Nebraska.
- 9661 DW Roberts (DWR 500). Isolated from soil sample SS 3284. 4 Aug 2008. USA: Knox #1, Knox County, Texas.
- 9662 DW Roberts (DWR 501). Isolated from soil sample SS 1331. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9663 DW Roberts (DWR 502). Isolated from soil sample SS 1333. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9664 DW Roberts (DWR 503). Isolated from soil sample SS 1329. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9665 DW Roberts (DWR 504). Isolated from soil sample SS 1336. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9666 DW Roberts (DWR 505). Isolated from soil sample SS 1338. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9667 DW Roberts (DWR 507). Isolated from soil sample SS 1342. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9668 DW Roberts (DWR 508). Isolated from soil sample SS 1363. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9669 DW Roberts (DWR 509). Isolated from soil sample SS 1373. 8 Aug 2008. USA: Loup County, Nebraska.
- 9670 DW Roberts (DWR 510). Isolated from soil sample SS 1374. 8 Aug 2008. USA: Loup County, Nebraska.
- 9671 DW Roberts (DWR 512). Isolated from soil sample SS 1379. 8 Aug 2008. USA: Loup County, Nebraska.
- 9672 DW Roberts (DWR 513). Isolated from soil sample SS 1381. 8 Aug 2008. USA: Loup County, Nebraska.
- 9673 DW Roberts (DWR 514). Isolated from soil sample SS 1385. 8 Aug 2008. USA: Loup County, Nebraska.
- 9674 DW Roberts (DWR 515). Isolated from soil sample SS 1387. 8 Aug 2008. USA: Loup County, Nebraska.
- 9675 DW Roberts (DWR 516). Isolated from soil sample SS 1388. 8 Aug 2008. USA: Blaine County, Nebraska.
- 9676 DW Roberts (DWR 517). Isolated from soil sample SS 1394. 8 Aug 2008. USA: Blaine County, Nebraska.
- 9677 DW Roberts (DWR 518). Isolated from soil sample SS 1361. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9678 DW Roberts (DWR 519). Isolated from soil sample SS 1356. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9679 DW Roberts (DWR 520). Isolated from soil sample SS 1360. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9680 DW Roberts (DWR 521). Isolated from soil sample SS 1349. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9681 DW Roberts (DWR 522). Isolated from soil sample SS 1358. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9682 DW Roberts (DWR 523). Isolated from soil sample SS 1410. 8 Aug 2008. USA: Blaine County, Nebraska.
- 9683 DW Roberts (DWR 524). Isolated from soil sample SS 1417. 8 Aug 2008. USA: Brown County, Nebraska.
- 9684 DW Roberts (DWR 525). Isolated from soil sample SS 1420. 8 Aug 2008. USA: Brown County, Nebraska.
- 9685 DW Roberts (DWR 526). Isolated from soil sample SS 1423. 8 Aug 2008. USA: Brown County, Nebraska.
- 9686 DW Roberts (DWR 529). Isolated from soil sample SS 3536. 28 May 2008. USA: Kit Carson County, Colorado. N 39.51167, W 102.79814.

- 9687 DW Roberts (DWR 534). Isolated from soil sample SS 1428. 8 Aug 2008. USA: Brown County, Nebraska.
- 9688 DW Roberts (DWR 535). Isolated from soil sample SS 4334. 9 Jun 2008. USA: Slope County, North Dakota. N 46.612422, W 103.624825.
- 9689 DW Roberts (DWR 541). Isolated from soil sample SS 1348. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9690 DW Roberts (DWR 542). Isolated from soil sample SS 1344. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9691 DW Roberts (DWR 543). Isolated from soil sample SS 1340. 8 Aug 2008. USA: Wheeler County, Nebraska.
- 9692 DW Roberts (DWR 544). Isolated from soil sample SS 1335. 8 Aug 2008. USA: Garfield County, Nebraska.
- 9693 DW Roberts (DWR 545). Isolated from soil sample SS 3531. 27 May 2008. USA: Kit Carson County, Colorado. N 39.25426, W 102.59593.
- 9694 DW Roberts (DWR 546). Isolated from soil sample SS 4264. 20 Aug 2008. USA: Deuel County, Nebraska. N 41.01896, W 102.31688.
- 9695 DW Roberts (DWR 547). Isolated from soil sample SS 4298. 25 Aug 2008. USA: Kimball County, Nebraska. N 41.03109, W 103.58331.
- 9696 DW Roberts (DWR 550). Isolated from soil sample SS 5196. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.55949, W 100.1801.
- 9697 DW Roberts (DWR 572). Isolated from soil sample SS 1591. 13 Aug 2008. USA: Grant County, Nebraska. N 41.962825, W 101.5065883.
- 9698 DW Roberts (DWR 573). Isolated from soil sample SS 1613. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.874645, W 100.55963.
- 9699 DW Roberts (DWR 574). Isolated from soil sample SS 4159. 11 Aug 2008. USA: Lake County, Oregon. N 43.065365, W 120.94326.
- 9700 DW Roberts (DWR 575). Isolated from soil sample SS 3231. 14 Aug 2008. USA: Custer County, Nebraska. N 41.6032, W 99.368.
- 9701 DW Roberts (DWR 576). Isolated from soil sample SS 4919. 16 Jun 2008. USA: McKenzie County, North Dakota. N 47.45426, W 103.3229816.
- 9702 DW Roberts (DWR 577). Isolated from soil sample SS 4910. 20 Jun 2008. USA: Cavalier County, North Dakota. N 48.87706, W 98.44704.
- 9703 DW Roberts (DWR 578). Isolated from soil sample SS 3162. 20 Aug 2008. USA: Ferry County, Washington. N 48.85187, W 118.57246.
- 9704 DW Roberts (DWR 579). Isolated from soil sample SS 3157. 20 Aug 2008. USA: Ferry County, Washington. N 48.33129, W 118.22768.
- 9705 DW Roberts (DWR 580). Isolated from soil sample SS 4898. 20 Aug 2008. USA: McHenry County, North Dakota. N 47.96483, W 100.75755.
- 9706 DW Roberts (DWR 581). Isolated from soil sample SS 5088. 21 May 2008. USA: Dawes County, Nebraska. N 42.53034, W 103.435115.
- 9707 DW Roberts (DWR 582). Isolated from soil sample SS 4896. 12 Jun 2008. USA: Bottineau County, North Dakota. N 48.82642, W 100.43565.
- 9708 DW Roberts (DWR 587). Isolated from soil sample SS 1565. 13 Aug 2008. USA: Gosper County, Nebraska. N 40.5833, W 99.7362.
- 9709 DW Roberts (DWR 588). Isolated from soil sample SS 1588. 13 Aug 2008. USA: Grant County, Nebraska. N 42.00765, W 101.692933.
- 9710 DW Roberts (DWR 589). Isolated from soil sample SS 1601. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.952882, W 100.825563.
- 9711 DW Roberts (DWR 590). Isolated from soil sample SS 1596. 13 Aug 2008. USA: Grant County, Nebraska. N 41.865396, W 101.504183.
- 9712 DW Roberts (DWR 591). Isolated from soil sample SS 1595. 13 Aug 2008. USA: Grant County, Nebraska. N 42.057075, W 101.77683.
- 9713 DW Roberts (DWR 592). Isolated from soil sample SS 1608. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.821448, W 100.822816.
- 9714 DW Roberts (DWR 593). Isolated from soil sample SS 1566. 13 Aug 2008. USA: Hooker County, Nebraska. N 42.044426, W 101.117968.
- 9715 DW Roberts (DWR 594). Isolated from soil sample SS 1593. 13 Aug 2008. USA: Grant County, Nebraska. N 42.065413, W 101.530276.
- 9716 DW Roberts (DWR 595). Isolated from soil sample SS 1594. 13 Aug 2008. USA: Grant County, Nebraska. N 42.027168, W 101.533728.
- 9717 DW Roberts (DWR 596). Isolated from soil sample SS 1586. 13 Aug 2008. USA: Grant County, Nebraska. N 41.826025, W 101.760582.
- 9718 DW Roberts (DWR 597). Isolated from soil sample SS 2182. 12 Aug 2008. USA: Keya Paha County, Nebraska.
- 9719 DW Roberts (DWR 598). Isolated from soil sample SS 2191. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9720 DW Roberts (DWR 599A). Isolated from soil sample SS 2186. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9721 DW Roberts (DWR 599B). Isolated from soil sample SS 2185. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9722 DW Roberts (DWR 600A). Isolated from soil sample SS 2201. 18 Aug 2008. USA: Lincoln County, Nebraska. N 40.87299, W 100.74817.
- 9723 DW Roberts (DWR 600B). Isolated from soil sample SS 1573. 13 Aug 2008. USA: Hooker County, Nebraska. N 42.036406, W 101.363095.

- 9724 DW Roberts (DWR 601). Isolated from soil sample SS 1619. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.821975, W 100.64611.
- 9725 DW Roberts (DWR 602). Isolated from soil sample SS 1615. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.88955, W 100.620578.
- 9726 DW Roberts (DWR 603). Isolated from soil sample SS 3164, colony 1. 19 Aug 2008. USA: Pend Oreille County, Washington. N 48.2942, W 117.3212.
- 9727 DW Roberts (DWR 604). Isolated from soil sample SS 3164, colony 2. 19 Aug 2008. USA: Pend Oreille County, Washington. N 48.2942, W 117.3212.
- 9728 DW Roberts (DWR 605). Isolated from soil sample SS 3168. 22 Aug 2008. USA: Columbia County, Washington. N 46.5231, W 118.1798.
- 9729 DW Roberts (DWR 619). Isolated from soil sample SS 4206. 22 May 2008. USA: Gilliam County, Oregon. N 45.720393, W 120.03681.
- 9730 DW Roberts (DWR 620). Isolated from soil sample SS 4911. 16 Jun 2008. USA: Cavalier County, North Dakota. N 48.7757, W 98.47257.
- 9731 DW Roberts (DWR 621). Isolated from soil sample SS 1480. Jul 2008. USA: Garfield County, Washington. N 46.60686, W 117.70329.
- 9732 DW Roberts (DWR 632). Isolated from soil sample SS 3198. 13 Aug 2008. USA: Stevens County, Washington. N 47.9277, W 118.3314.
- 9733 DW Roberts (DWR 633). Isolated from soil sample SS 5165. 9 Jul 2008. USA: Banner County, Nebraska. N 41.690865, W 103.77482.
- 9734 DW Roberts (DWR 634). Isolated from soil sample SS 5162. 9 Jul 2008. USA: Banner County, Nebraska. N 41.42244, W 103.7332.
- 9735 DW Roberts (DWR 635). Isolated from soil sample SS 5161. 9 Jul 2008. USA: Banner County, Nebraska. N 41.422255, W 103.90616.
- 9736 DW Roberts (DWR 636). Isolated from soil sample SS 5173. 14 Jul 2008. USA: Sioux County, Nebraska. N 42.19941, W 103.65938.
- 9737 DW Roberts (DWR 637). Isolated from soil sample SS 5126. 8 Jul 2008. USA: Scotts Bluff County, Nebraska. N 41.900395, W 103.96573.
- 9738 DW Roberts (DWR 638). Isolated from soil sample SS 5125, colony 1. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.94702, W 102.805535.
- 9739 DW Roberts (DWR 639). Isolated from soil sample SS 5125, colony 2. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.94702, W 102.805535.
- 9740 DW Roberts (DWR 640). Isolated from soil sample SS 1675. 14 Aug 2008. USA: Howard County, Nebraska. N 41.0758, W 98.4988.
- 9741 DW Roberts (DWR 641). Isolated from soil sample SS 5260. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.623, W 100.18025.
- 9742 DW Roberts (DWR 642). Isolated from soil sample SS 1476. 16 Jul 2008. USA: Walla Walla County, Washington. N 46.37046, W 118.61125.
- 9743 DW Roberts (DWR 643). Isolated from soil sample SS 1552. 30 Jun 2008. USA: Grant County, Washington. N 47.86587, W 119.08509.
- 9744 DW Roberts (DWR 655). Isolated from soil sample SS 3193. 13 Aug 2008. USA: Stevens County, Washington. N 48.6667, W 117.9522.
- 9745 DW Roberts (DWR 656). Isolated from soil sample SS 5131. 7 Jul 2008. USA: Box Butte County, Nebraska. N 42.268725, W 103.3067.
- 9746 DW Roberts (DWR 657). Isolated from soil sample SS 3274. 13 Aug 2008. USA: Custer County, Nebraska. N 41.5787, W 99.8981.
- 9747 DW Roberts (DWR 658). Isolated from soil sample SS 1701. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.28473, W 101.56906.
- 9748 DW Roberts (DWR 659). Isolated from soil sample SS 7854. 10 Jun 2008. USA: Sanders, Montana.
- 9749 DW Roberts (DWR 660). Isolated from soil sample SS 3200. 13 Aug 2008. USA: Stevens County, Washington. N 48.6906, W 118.0891.
- 9750 DW Roberts (DWR 669). Isolated from soil sample SS 1700. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.27132, W 101.70121.
- 9751 DW Roberts (DWR 670). Isolated from soil sample SS 3401. 23 Jul 2008. USA: WB-27, Oregon.
- 9752 DW Roberts (DWR 692). Isolated from soil sample SS 5360. 25 Jun 2008. USA: Meade County, South Dakota. N 44.645871, W 102.803646.
- 9753 DW Roberts (DWR 693). Isolated from soil sample SS 5384. 9 Jun 2008. USA: Haakon County, South Dakota. N 44.373687, W 101.318395.
- 9754 DW Roberts (DWR 694). Isolated from soil sample SS 7869. 25 Jun 2008. USA: Lake County, Montana.
- 9755 DW Roberts (DWR 695). Laboratory isolate from sector of DWR 604 (=ARSEF 9727). Rec'd 23 Feb 2010.
- 9756 DW Roberts (DWR 696). Laboratory isolate from sector of DWR 522, ARSEF 9681. Rec'd 23 Feb 2010.
- 9757 DW Roberts (DWR 697). Isolated from soil sample SS 3727. 24 Jun 2008. USA: El Paso County, Colorado. N 38.93254, W 104.47892.
- 9758 DW Roberts (DWR 712). Isolated from soil sample SS 5278, colony 1. 11 Jun 2008. USA: Tripp County, South Dakota. N 43.2273, W 100.07745.
- 9759 DW Roberts (DWR 713). Isolated from soil sample SS 5278, colony 2. 25 Jun 2008. USA: Tripp County, South Dakota. N 43.2273, W 100.07745.
- 9760 DW Roberts (DWR 714). Isolated from soil sample SS 4408, colony 1. 5 Jun 2008. USA: McKenzie County, North Dakota. N 47.396308, W 103.792566.

- 9761 DW Roberts (DWR 715). Isolated from soil sample SS 4408, colony 2. 5 Jun 2008. USA: McKenzie County, North Dakota. N 47.396308, W 103.792566.
- 9762 DW Roberts (DWR 716). Isolated from soil sample SS 4562. 19 Jun 2008. USA: Childress County, Texas. N 34.61709, W 100.22923.
- 9763 DW Roberts (DWR 741). Isolated from soil sample SS 3906. 3 Jul 2008. USA: Elbert County, Colorado. N 39.56473, W 104.53163.
- 9764 DW Roberts (DWR 742). Isolated from soil sample SS 3941. 10 Jul 2008. USA: Park County, Colorado. N 38.83554, W 105.634.
- 9765 DW Roberts (DWR 758). Isolated from soil sample SS 2788. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.
- 9766 DW Roberts (DWR 759). Isolated from soil sample SS 2787. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.
- 9767 DW Roberts (DWR 760). Isolated from soil sample SS 2789. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.
- 9768 DW Roberts (DWR 761). Isolated from soil sample SS 8796. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.393073, W 104.599656.
- 9769 DW Roberts (DWR 762). Isolated from soil sample SS 8797. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.462466, W 104.589846.
- 9770 DW Roberts (DWR 763). Isolated from soil sample SS 8794. 10 Jun 2008. USA: Pueblo County, Colorado. N 37.968083, W 104.187966.
- 9771 DW Roberts (DWR 764). Isolated from soil sample SS 8793. 10 Jun 2008. USA: Pueblo County, Colorado. N 37.925448, W 104.132711.
- 9772 DW Roberts (DWR 765). Isolated from soil sample SS 8786. 10 Jun 2008. USA: Otero County, Colorado. N 37.823345, W 103.771361.
- 9773 DW Roberts (DWR 766). Isolated from soil sample SS 8784. 10 Jun 2008. USA: Otero County, Colorado. N 37.822876, W 103.620225.
- 9774 DW Roberts (DWR 767). Isolated from soil sample SS 8791. 10 Jun 2008. USA: Otero County, Colorado. N 37.900196, W 103.876408.
- 9775 DW Roberts (DWR 768). Isolated from soil sample SS 8795. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.330548, W 104.60265.
- 9776 DW Roberts (DWR 793). Isolated from soil sample SS 2018. 13 Aug 2008. USA: Gosper County, Nebraska. N 40.4877, W 99.9251.
- 9777 DW Roberts (DWR 794). Isolated from soil sample SS 2000. 11 Jun 2008. USA: Lincoln County, Nebraska. N 41.29323, W 100.84752.
- 9778 DW Roberts (DWR 795). Isolated from soil sample SS 1914. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.57032, W 100.51155.
- 9779 DW Roberts (DWR 796). Isolated from soil sample SS 4639. 3 Jun 2008. USA: Schleicher County, Texas. N 31.04374, W 100.80695.
- 9780 DW Roberts (DWR 797). Isolated from soil sample SS 2083. 13 Aug 2008. USA: Brown County, Nebraska.
- 9781 DW Roberts (DWR 798). Isolated from soil sample SS 2097. 13 Aug 2008. USA: Brown County, Nebraska.
- 9782 DW Roberts (DWR 799). Isolated from soil sample SS 2002. 7 Aug 2008. USA: Lincoln County, Nebraska. N 41.38876, W 100.87933.
- 9783 DW Roberts (DWR 800). Isolated from soil sample SS 2001. 7 Aug 2008. USA: Lincoln County, Nebraska. N 41.27452, W 100.81027.
- 9784 DW Roberts (DWR 801). Isolated from soil sample SS 2147. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9785 DW Roberts (DWR 802). Isolated from soil sample SS 2160. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9786 DW Roberts (DWR 803). Isolated from soil sample SS 2166. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9787 DW Roberts (DWR 804). Isolated from soil sample SS 1993. 6 Aug 2008. USA: Lincoln County, Nebraska. N 40.84353, W 100.84871.
- 9788 DW Roberts (DWR 805). Isolated from soil sample SS 1881. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.23282, W 101.56141.
- 9789 DW Roberts (DWR 806). Isolated from soil sample SS 2010. 13 Aug 2008. USA: Hamilton County, Nebraska. N 40.9935, W 98.0458.
- 9790 DW Roberts (DWR 807). Isolated from soil sample SS 2108. 13 Aug 2008. USA: Rock County, Nebraska.
- 9791 DW Roberts (DWR 818). Isolated from soil sample SS 1829. 28 Jul 2008. USA: Garden County, Nebraska. N 41.88721, W 102.083568.
- 9792 DW Roberts (DWR 819). Isolated from soil sample SS 1848. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9793 DW Roberts (DWR 820). Isolated from soil sample SS 1818. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9794 DW Roberts (DWR 821). Isolated from soil sample SS 1762. 8 Jul 2008. USA: Logan County, Nebraska. N 41.618643, W 100.255386.
- 9795 DW Roberts (DWR 822). Isolated from soil sample SS 1784. 8 Jul 2008. USA: Logan County, Nebraska. N 41.656796, W 100.482788.
- 9796 DW Roberts (DWR 823). Isolated from soil sample SS 1757. 8 Jul 2008. USA: Logan County, Nebraska. N 41.625518, W 100.560606.
- 9797 DW Roberts (DWR 824). Isolated from soil sample SS 1822. 4 Aug 2008. USA: Cherry County, Nebraska.

- 9798 DW Roberts (DWR 825). Isolated from soil sample SS 1976. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.29233, W 100.56179.
- 9799 DW Roberts (DWR 826). Isolated from soil sample SS 1961. 30 Jul 2008. USA: Lincoln County, Nebraska. N 40.72197, W 101.04701.
- 9800 DW Roberts (DWR 827). Isolated from soil sample SS 1978. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.14745, W 100.34356.
- 9801 DW Roberts (DWR 828). Isolated from soil sample SS 1980. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.27886, W 100.25481.
- 9802 DW Roberts (DWR 829). Isolated from soil sample SS 1971. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.1617, W 100.52449.
- 9803 DW Roberts (DWR 830). Isolated from soil sample SS 1979. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.20653, W 100.63889.
- 9804 DW Roberts (DWR 831). Isolated from soil sample SS 1817. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9805 DW Roberts (DWR 832). Isolated from soil sample SS 1849. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9806 DW Roberts (DWR 833). Isolated from soil sample SS 1821. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9807 DW Roberts (DWR 834). Isolated from soil sample SS 1824. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9808 DW Roberts (DWR 835). Isolated from soil sample SS 1837. 28 Jul 2008. USA: Garden County, Nebraska. N 41.745232, W 102.09816.
- 9809 DW Roberts (DWR 836). Isolated from soil sample SS 1761. 8 Jul 2008. USA: Logan County, Nebraska. N 41.663922, W 100.58301.
- 9810 DW Roberts (DWR 837). Isolated from soil sample SS 1768. 9 Jul 2008. USA: Logan County, Nebraska. N 41.509798, W 100.50321.
- 9811 DW Roberts (DWR 838). Isolated from soil sample SS 1767. 9 Jul 2008. USA: Logan County, Nebraska. N 41.499958, W 100.65601.
- 9812 DW Roberts (DWR 839). Isolated from soil sample SS 1861. 4 Aug 2008. USA: Cherry County, Nebraska.
- 9813 DW Roberts (DWR 840). Isolated from soil sample SS 1764. 9 Jul 2008. USA: Logan County, Nebraska. N 41.60121, W 100.48712.
- 9814 DW Roberts (DWR 841). Isolated from soil sample SS 1796. 10 Jul 2008. USA: Garden County, Nebraska. N 41.496972, W 102.16906.
- 9815 DW Roberts (DWR 842). Isolated from soil sample SS 1794. Jul 2008. USA: Garden County, Nebraska. N 41.45043, W 102.53968.
- 9816 DW Roberts (DWR 843). Isolated from soil sample SS 1807. 10 Jul 2008. USA: Garden County, Nebraska. N 41.57408, W 101.98632.
- 9817 DW Roberts (DWR 844). Isolated from soil sample SS 5017. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.9084, W 100.9028.
- 9818 DW Roberts (DWR 845). Isolated from soil sample SS 1770, colony 1. 9 Jul 2008. USA: Logan County, Nebraska. N 41.401728, W 100.71314.
- 9819 DW Roberts (DWR 846). Isolated from soil sample SS 1770, colony 2. 9 Jul 2008. USA: Logan County, Nebraska. N 41.401728, W 100.71314.
- 9820 DW Roberts (DWR 847). Isolated from soil sample SS 2156. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9821 DW Roberts (DWR 848). Isolated from soil sample SS 2158. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9822 DW Roberts (DWR 849). Isolated from soil sample SS 2127. 13 Aug 2008. USA: Rock County, Nebraska.
- 9823 DW Roberts (DWR 850). Isolated from soil sample SS 1880. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.06474, W 101.92653.
- 9824 DW Roberts (DWR 851). Isolated from soil sample SS 1891. 17 Jul 2008. USA: Keith County, Nebraska. N 41.1096, W 101.42634.
- 9825 DW Roberts (DWR 852). Isolated from soil sample SS 2124. 13 Aug 2008. USA: Rock County, Nebraska.
- 9826 DW Roberts (DWR 853). Isolated from soil sample SS 2178. 12 Aug 2008. USA: Cherry County, Nebraska.
- 9827 DW Roberts (DWR 866). Isolated from soil sample SS 4709. 9 Jul 2008. USA: Sherman County, Texas. N 36.36449, W 101.82351.
- 9828 DW Roberts (DWR 867). Isolated from soil sample SS 5007, colony 1. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.7629, W 101.05992.
- 9829 DW Roberts (DWR 868). Isolated from soil sample SS 5007, colony 2. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.7629, W 101.05992.
- 9830 DW Roberts (DWR 869). Isolated from soil sample SS 4735. 9 Jun 2008. USA: Scurry County, Texas. N 32.58142, W 100.7636.
- 9831 DW Roberts (DWR 870). Isolated from soil sample SS 5009. 20 Jun 2008. USA: Rolette County, North Dakota. N 48.89218, W 99.61078.
- 9832 DW Roberts (DWR 871). Isolated from soil sample SS 5013. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.82803, W 100.53342.
- 9833 DW Roberts (DWR 872). Isolated from soil sample SS 5002. 20 Jun 2008. USA: McHenry County, North Dakota. N 47.94912, W 100.5646.
- 9834 DW Roberts (DWR 873). Isolated from soil sample SS 5011. 20 Jun 2008. USA: McHenry County, North Dakota. N 48.4176, W 100.5044.
- 9835 DW Roberts (DWR 880). Isolated from soil sample SS 6887. 5 Jun 2008. USA: Box Elder County, Utah. N 41.5381, W 112.2945.
- 9836 DW Roberts (DWR 881). Isolated from soil sample SS 5434. 16 Jun 2008. USA: Ziebach County, South Dakota. N 44.856118, W 101.62287.

- 9837 DW Roberts (DWR 882). Isolated from soil sample SS 7545. 5 Aug 2008. USA: Kane County, Utah. N 37.3035, W 112.5307.
- 9838 DW Roberts (DWR 900). Isolated from soil sample SS 5001. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.6322, W 100.49775.
- 9839 DW Roberts (DWR 911). Isolated from soil sample SS 6096. Jul 2008. USA: Dale Widhalm, Nebraska. N 42.498915, W 103.06709.
- 9840 DW Roberts (DWR 912). Isolated from soil sample SS 5754. 9 Jun 2008. USA: Shannon County, South Dakota. N 43.329085, W 102.18772.
- 9841 DW Roberts (DWR 913). Isolated from soil sample SS 5709. 17 Jun 2008. USA: Bennett County, South Dakota. N 43.1035, W 101.4565.
- 9842 DW Roberts (DWR 914). Isolated from soil sample SS 4840, colony 1. 11 Aug 2008. USA: Cheyenne, Wyoming. N 41.591662, W 104.82588.
- 9843 DW Roberts (DWR 915). Isolated from soil sample SS 4840, colony 2. 11 Aug 2008. USA: Cheyenne, Wyoming. N 41.591662, W 104.82588.
- 9844 DW Roberts (DWR 916). Isolated from soil sample SS 4998. 19 Jun 2008. USA: Bottineau County, North Dakota. N 48.8768, W 100.5499.
- 9845 DW Roberts (DWR 917). Isolated from soil sample SS 5033. 16 Jun 2008. USA: KM007, North Dakota.
- 9846 DW Roberts (DWR 918). Isolated from soil sample SS 5810. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.4999, W 100.15615.
- 9847 DW Roberts (DWR 919). Isolated from soil sample SS 5823. 10 Jun 2008. USA: Tripp County, South Dakota. N 43.11112, W 99.63258.
- 9848 DW Roberts (DWR 920). Isolated from soil sample SS 5797. 25 Jun 2008. USA: Todd County, South Dakota. N 43.031315, W 100.82642.
- 9849 DW Roberts (DWR 940). Isolated from soil sample SS 6157, colony 1. 19 Aug 2008. USA: Dale Widhalm, Nebraska. N 42.91601, W 102.23549.
- 9850 DW Roberts (DWR 941). Isolated from soil sample SS 6157, colony 2. 19 Aug 2008. USA: Dale Widhalm, Nebraska. N 42.91601, W 102.23549.
- 9851 DW Roberts (DWR 942). Isolated from soil sample SS 6025. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.769015, W 102.77199.
- 9852 DW Roberts (DWR 1145). Isolated from soil sample SS 8234. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.947793, W 101.15769.
- 9853 DW Roberts (DWR 1146). Isolated from soil sample SS 8235. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.938688, W 101.16618.
- 9854 DW Roberts (DWR 1147). Isolated from soil sample SS 8139. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.554742, W 101.13753.
- 9855 DW Roberts (DWR 1148). Isolated from soil sample SS 8178. 2 Sep 2008. USA: Cherry County, Nebraska. N 42.392913, W 102.02336.
- 9856 DW Roberts (DWR 1149). Isolated from soil sample SS 8241. 11 Aug 2008. USA: Hooker County, Nebraska. N 42.065106, W 101.22523.
- 9857 DW Roberts (DWR 1150). Isolated from soil sample SS 8244. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.43899, W 101.29071.
- 9858 DW Roberts (DWR 1151). Isolated from soil sample SS 8246. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.50433, W 101.30459.
- 9859 DW Roberts (DWR 1152). Isolated from soil sample SS 8247. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.712238, W 101.04815.
- 9860 DW Roberts (DWR 1153). Isolated from soil sample SS 8251. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.622606, W 101.01916.
- 9861 DW Roberts (DWR 1154). Isolated from soil sample SS 8254. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.40625, W 100.88149.
- 9862 DW Roberts (DWR 1155). Isolated from soil sample SS 8258. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.590482, W 100.76789.
- 9863 DW Roberts (DWR 1156). Isolated from soil sample SS 8264. Aug 2008. USA: Arthur County, Nebraska. N 41.546803, W 101.71407.
- 9864 DW Roberts (DWR 1157). Isolated from soil sample SS 8266. Aug 2008. USA: Arthur County, Nebraska. N 41.46896, W 101.71834.
- 9865 DW Roberts (DWR 1158). Isolated from soil sample SS 8267. Aug 2008. USA: Arthur County, Nebraska. N 41.51462, W 101.6547.
- 9866 DW Roberts (DWR 1159). Isolated from soil sample SS 8269. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.49292, W 100.96312.
- 9867 DW Roberts (DWR 1160). Isolated from soil sample SS 8271. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.6699, W 101.26817.
- 9868 DW Roberts (DWR 1161). Isolated from soil sample SS 8253, colony 1. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9869 DW Roberts (DWR 1162). Isolated from soil sample SS 8253, colony 2. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9870 DW Roberts (DWR 1163). Isolated from soil sample SS 8253, colony 3. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9871 DW Roberts (DWR 1164). Isolated from soil sample SS 8253, colony 4. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9872 DW Roberts (DWR 1165). Isolated from soil sample SS 8253, colony 5. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.
- 9873 DW Roberts (DWR 1166). Isolated from soil sample SS 8253, colony 6. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.

- 9874 DW Roberts (DWR 1180). Isolated from soil sample SS 8218. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.960753, W 100.91898.
- 9875 DW Roberts (DWR 1181). Isolated from soil sample SS 8222. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.865045, W 100.95781.
- 9876 DW Roberts (DWR 1182). Isolated from soil sample SS 8225. 7 Aug 2008. USA: Grant County, Nebraska. N 41.742956, W 101.85894.
- 9877 DW Roberts (DWR 1183). Isolated from soil sample SS 8228. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.996628, W 101.15073.
- 9878 DW Roberts (DWR 1184). Isolated from soil sample SS 8236. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.757416, W 101.37261.
- 9879 DW Roberts (DWR 1239). Isolated from soil sample SS 7552. 6 Aug 2008. USA: Garfield County, Utah. N 38.0259, W 111.5806.
- 9880 DW Roberts (DWR 1240). Isolated from soil sample SS 8103. 24 Jul 2008. USA: McCone County, Montana. N 47.49494, W 106.16025.
- 9881 DW Roberts (DWR 1241). Laboratory isolate from sector of DWR 850 (=ARSEF 9823). Rec'd 23 Feb 2010.
- 9882 DW Roberts (DWR 1242). Laboratory isolate from sector of DWR 852 (=ARSEF 9825). Rec'd 23 Feb 2010.
- 9883 DW Roberts (DWR 1243). Laboratory isolate from sector of DWR 882 (=ARSEF 9837). Rec'd 23 Feb 2010.
- 9884 DW Roberts (DWR 1244). Laboratory isolate from sector of DWR 900 (=ARSEF 9838). Rec'd 23 Feb 2010.
- 9885 DW Roberts (DWR 1245). Isolated from soil sample SS 9210. 5 Sep 2008. USA: Rio Blanco County, Colorado. N 40.054117, W 107.52914.
- 9886 DW Roberts (DWR 1246). Isolated from soil sample SS 9162. 10 Jun 2008. USA: Garfield County, Colorado. N 39.5094, W 108.5523.
- 9946 DW Roberts (DWR 1247). Isolated from soil sample SS 11293. 5 May 2009. USA: Owyhee County, Idaho. N 42.77266, W 116.22753.
- 9947 DW Roberts (DWR 1248). Isolated from soil sample SS 7425. 17 Jun 2008. USA: Kane County, Utah. N 37.2331, W 111.5058.
- 9948 DW Roberts (DWR 1249). Isolated from soil sample SS 11283. 22 Apr 2009. USA: Ada County, Idaho. N 43.591977, W 116.29609.
- 9949 DW Roberts (DWR 1250). Isolated from soil sample SS 11282. 22 Apr 2009. USA: Ada County, Idaho. N 43.606707, W 116.29985.
- 9950 DW Roberts (DWR 1251). Isolated from soil sample SS 8873. 9 Jul 2008. USA: Kit Carson County, Colorado. N 39.533371, W 102.3518.
- 9951 DW Roberts (DWR 1252). Isolated from soil sample SS 8830. 7 Jul 2008. USA: Custer County, Colorado. N 38.242365, W 105.60512.
- 9952 DW Roberts (DWR 1253). Isolated from soil sample SS 8871, colony 1. 9 Jul 2008. USA: Yuma County, Colorado. N 39.657776, W 102.34647.
- 9953 DW Roberts (DWR 1254). Isolated from soil sample SS 8871, colony 2. 9 Jul 2008. USA: Yuma County, Colorado. N 39.657776, W 102.34647.
- 9954 DW Roberts (DWR 1255). Isolated from soil sample SS 8829, colony 1. 6 Jul 2008. USA: Custer County, Colorado. N 38.186258, W 105.48395.
- 9955 DW Roberts (DWR 1256). Isolated from soil sample SS 8829, colony 2. 6 Jul 2008. USA: Custer County, Colorado. N 38.186258, W 105.48395.
- 9956 DW Roberts (DWR 1280). Isolated from soil sample SS 11295. May 2009. USA: Ada County, Idaho. N 43.673185, W 116.09569.
- 9957 DW Roberts (DWR 1281). Isolated from soil sample SS 9008. 30 Jun 2008. USA: Yuma County, Colorado. N 40.322455, W 102.47124.
- 9958 DW Roberts (DWR 1282). Isolated from soil sample SS 9012. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.498728, W 102.62044.
- 9959 DW Roberts (DWR 1283). Isolated from soil sample SS 9015. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.577521, W 102.43525.
- 9960 DW Roberts (DWR 1284). Isolated from soil sample SS 9219. 14 Sep 2008. USA: Moffat County, Colorado. N 40.75813, W 108.13102.
- 9961 DW Roberts (DWR 1285). Isolated from soil sample SS 9240. 16 Jun 2008. USA: Routt County, Colorado. N 40.757398, W 106.96398.
- 9962 DW Roberts (DWR 1286). Isolated from soil sample SS 9312. Jul 2008. USA: Routt County, Colorado. N 40.526025, W 107.42595.
- 9963 DW Roberts (DWR 1287). Isolated from soil sample SS 9371. 10 Jul 2008. USA: Rio Blanco County, Colorado. N 39.9191, W 108.1981.
- 9964 DW Roberts (DWR 1288). Isolated from soil sample SS 9509. 10 Jul 2008. USA: Montezuma County, Colorado. N 37.302205, W 108.64121.
- 9965 DW Roberts (DWR 1289). Isolated from soil sample SS 11268. 24 Apr 2009. USA: San Carlos, Arizona. N 33.19364, W 109.87296.
- 9966 DW Roberts (DWR 1290). Isolated from soil sample SS 11352. 21 May 2009. USA: Dawson County, Texas. N 32.75586, W 101.81042.
- 9967 DW Roberts (DWR 1291). Isolated from soil sample SS 11354. 21 May 2009. USA: Dawson County, Texas. N 32.84218, W 102.10146.
- 9968 DW Roberts (DWR 1292). Isolated from soil sample SS 11364. 18 May 2009. USA: Lamb County, Texas. N 34.15683, W 102.51517.

- 9969 DW Roberts (DWR 1293). Isolated from soil sample SS 9092, colony 1. 19 Jun 2008. USA: San Miguel County, Colorado. N 38.11362, W 108.39393.
- 9970 DW Roberts (DWR 1294). Isolated from soil sample SS 9092, colony 2. 19 Jun 2008. USA: San Miguel County, Colorado. N 38.11362, W 108.39393.
- 9971 DW Roberts (DWR 1295). Isolated from soil sample SS 9438. 27 Jun 2008. USA: El Paso County, Colorado. N 38.974117, W 104.83964.
- 9972 DW Roberts (DWR 1296). Isolated from soil sample SS 9367. 3 Jul 2008. USA: Gunnison County, Colorado. N 38.45035, W 107.33075.
- 9973 DW Roberts (DWR 1297). Isolated from soil sample SS 9425. 25 Jun 2008. USA: Fremont County, Colorado. N 38.371452, W 104.95982.
- 9974 DW Roberts (DWR 1310). Isolated from soil sample SS 9490. 27 May 2008. USA: Montezuma County, Colorado. N 37.4159, W 108.41041.
- 9975 DW Roberts (DWR 1324). Isolated from soil sample SS 11418. 28 May 2009. USA: Hall County, Texas. N 34.49323, W 100.77875.
- 9976 DW Roberts (DWR 1325). Isolated from soil sample SS 11454. 9 Jun 2009. USA: Logan, Utah.
- 9977 DW Roberts (DWR 1326). Isolated from soil sample SS 11457. 9 Jun 2009. USA: Logan, Utah.
- 9978 DW Roberts (DWR 1327). Isolated from soil sample SS 9443. 27 May 2008. USA: Montezuma County, Colorado. N 37.36007, W 108.53522.
- 9979 DW Roberts (DWR 1337). Isolated from soil sample SS 9659. 27 Aug 2008. USA: Routt County, Colorado. N 40.53094, W 106.78185.
- 9980 DW Roberts (DWR 1338). Isolated from soil sample SS 11642. 20 May 2009. USA: Elko County, Nevada. N 41.619382, W 116.12888.
- 9981 DW Roberts (DWR 1344). Isolated from soil sample SS 9768. 19 May 2008. USA: Flathead County, Montana.
- 9982 DW Roberts (DWR 1345). Isolated from soil sample SS 9788. 2 Jun 2008. USA: Lake County, Montana.
- 9983 DW Roberts (DWR 1346). Isolated from soil sample SS 9791. 5 Jun 2008. USA: Lake County, Montana.
- 9984 DW Roberts (DWR 1347). Isolated from soil sample SS 8494. 8 Jun 2008. USA: Lincoln County, Colorado. N 38.806141, W 103.27433.
- 9985 DW Roberts (DWR 1361). Isolated from soil sample SS 11974. 8 Jun 2009. USA: Piute County, Utah. N 38.4064, W 112.2541.
- 9986 DW Roberts (DWR 1362). Isolated from soil sample SS 8307. 21 Aug 2008. USA: Arthur County, Nebraska. N 41.496172, W 101.92478.
- 9987 DW Roberts (DWR 1374). Isolated from soil sample SS 8510. 2 Jun 2008. USA: Otero County, Colorado. N 37.878558, W 103.52731.
- 9988 DW Roberts (DWR 1375). Isolated from soil sample SS 8491. 8 Jun 2008. USA: Lincoln County, Colorado. N 38.878685, W 103.4237.
- 9989 DW Roberts (DWR 1376). Isolated from soil sample SS 8786. 10 Jun 2008. USA: Otero County, Colorado. N 37.823345, W 103.77136.
- 9990 DW Roberts (DWR 1377). Isolated from soil sample SS 8428. 4 Jun 2008. USA: Baca County, Colorado. N 37.549681, W 102.40117.
- 9991 DW Roberts (DWR 1378). Isolated from soil sample SS 8446. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.281875, W 102.61859.
- 9992 DW Roberts (DWR 1379). Isolated from soil sample SS 8445. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.354065, W 102.61896.
- 9993 DW Roberts (DWR 1380). Isolated from soil sample SS 8707. 7 Jul 2008. USA: Yuma County, Colorado. N 39.946951, W 102.46771.
- 9994 DW Roberts (DWR 1381). Isolated from soil sample SS 8426. 4 Jun 2008. USA: Prowers County, Colorado. N 37.672625, W 102.52934.
- 9995 DW Roberts (DWR 1382). Isolated from soil sample SS 8424. 4 Jun 2008. USA: Prowers County, Colorado. N 37.767233, W 102.54751.
- 9996 DW Roberts (DWR 1387). Isolated from soil sample SS 8538. 7 Jul 2008. USA: Kiowa County, Colorado. N 38.463823, W 102.19764.
- 9997 DW Roberts (DWR 1395). Isolated from soil sample SS 8539. 7 Jul 2008. USA: Kiowa County, Colorado. N 38.499155, W 102.32726.
- 9998 DW Roberts (DWR 1399). Isolated from soil sample SS 11485. 6 May 2009. USA: Duchesne County, Utah. N 40.2356, W 110.2345.
- 9999 DW Roberts (DWR 1408). Isolated from soil sample SS 9823. 3 Jun 2008. USA: Montana.
- 10001 DW Roberts (DWR 1409). Isolated from soil sample SS 9888. 14 Oct 2008. USA: Keya Paha County, Nebraska.
- 10002 DW Roberts (DWR 1410). Isolated from soil sample SS 9878. 14 Oct 2008. USA: Cherry County, Nebraska.
- 10003 DW Roberts (DWR 1411). Isolated from soil sample SS 9853. 14 Oct 2008. USA: Holt County, Nebraska.
- 10004 DW Roberts (DWR 1412). Isolated from soil sample SS 8762. 14 Jul 2008. USA: Las Animas County, Colorado. N 37.191093, W 104.81278.
- 10005 DW Roberts (DWR 1413). Isolated from soil sample SS 9875. 14 Oct 2008. USA: Cherry County, Nebraska.
- 10006 DW Roberts (DWR 1414). Isolated from soil sample SS 9872. 14 Oct 2008. USA: Cherry County, Nebraska.
- 10007 DW Roberts (DWR 1415). Isolated from soil sample SS 9832. 14 Oct 2008. USA: Holt County, Nebraska.

- 10008 DW Roberts (DWR 1416). Isolated from soil sample SS 9857. 14 Oct 2008. USA: Holt County, Nebraska.
- 10009 DW Roberts (DWR 1417). Isolated from soil sample SS 11932. 6 May 2009. USA: Elko County, Nevada. N 41.956545, W 116.07283.
- 10010 DW Roberts (DWR 1418). Isolated from soil sample SS 9837. 14 Oct 2008. USA: Holt County, Nebraska.
- 10011 DW Roberts (DWR 1419). Isolated from soil sample SS 9830. 14 Oct 2008. USA: Holt County, Nebraska.
- 10012 DW Roberts (DWR 1420). Isolated from soil sample SS 10612. 17 Jun 2008. USA: Elko County, Nevada. N 40.808943, W 115.3402.
- 10013 DW Roberts (DWR 1421). Isolated from soil sample SS 10241. 29 Aug 2008. USA: Ford County, Kansas. N 37.482133, W 99.729295.
- 10014 DW Roberts (DWR 1422). Isolated from soil sample SS 10291. 4 Aug 2008. USA: Cheyenne County, Kansas. N 39.68884, W 101.99388.
- 10015 DW Roberts (DWR 1446). Isolated from soil sample SS 10706. 3 Sep 2008. USA: Humboldt County, Nevada. N 40.927495, W 118.3082.
- 10016 DW Roberts (DWR 1447). Isolated from soil sample SS 10809. 6 Aug 2008. USA: Elko County, Nevada. N 41.46017, W 114.7825.
- 10017 DW Roberts (DWR 1448). Isolated from soil sample SS 11936. 28 May 2009. USA: Valley County, Idaho. N 44.805338, W 115.90302.
- 10018 DW Roberts (DWR 1449). Isolated from soil sample SS 10119. 22 Jul 2008. USA: Clark County, Kansas. N 37.191885, W 99.785528.
- 10019 DW Roberts (DWR 1450). Isolated from soil sample SS 10437. 2 May 2008. USA: Elko County, Nevada. N 41.535187, W 115.82186.
- 10020 DW Roberts (DWR 1451). Isolated from soil sample SS 10284. 23 Jul 2008. USA: Comanche County, Kansas. N 37.266482, W 99.26767.
- 10021 DW Roberts (DWR 1468). Isolated from soil sample SS 12110. 10 Jun 2009. USA: Carson County, Texas. N 35.57465, W 101.40082.
- 10022 DW Roberts (DWR 1469). Isolated from soil sample SS 11259. 17 Jun 2009. USA: Millard County, Utah. N 39.1157, W 114.0025.
- 10023 DW Roberts (DWR 1470). Isolated from soil sample SS 12131. 16 Jun 2009. USA: Moore County, Texas. N 35.69076, W 102.05242.
- 10024 DW Roberts (DWR 1471). Isolated from soil sample SS 11004, colony 1. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.
- 10025 DW Roberts (DWR 1472). Isolated from soil sample SS 11004, colony 2. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.
- 10026 DW Roberts (DWR 1473). Isolated from soil sample SS 11004, colony 3. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.
- 10027 DW Roberts (DWR 1489). Isolated from soil sample SS 12736. 10 Jun 2009. USA: Adams County, Washington. N 47.13699, W 118.1721.
- 10028 DW Roberts (DWR 1490). Isolated from soil sample SS 13846. 24 Jun 2009. USA: Weld County, Colorado. N 40.192916, W 104.6822.
- 10029 DW Roberts (DWR 1491). Isolated from soil sample SS 13860. 24 Jun 2009. USA: Weld County, Colorado. N 40.144745, W 104.768.
- 10030 DW Roberts (DWR 1506). Isolated from soil sample SS 13934. 4 Jun 2009. USA: Morgan County, Colorado. N 40.07361, W 104.0186.
- 10031 DW Roberts (DWR 1507). Isolated from soil sample SS 12754. 17 Jun 2009. USA: Douglas County, Washington. N 47.90269, W 119.797.
- 10032 DW Roberts (DWR 1516). Isolated from soil sample SS 13583. 21 Jul 2009. USA: Fremont County, Idaho. N 44.11919, W 111.34764.
- 10033 DW Roberts (DWR 1517). Isolated from soil sample SS 13762. 27 May 2009. USA: Yuma County, Colorado. N 39.795876, W 102.5602.
- 10034 DW Roberts (DWR 1518). Isolated from soil sample SS 13776, colony 1. 28 May 2009. USA: Yuma County, Colorado. N 39.858866, W 102.801.
- 10035 DW Roberts (DWR 1519). Isolated from soil sample SS 13776, colony 2. 28 May 2009. USA: Yuma County, Colorado. N 39.858866, W 102.801.
- 10036 DW Roberts (DWR 1520). Isolated from soil sample SS 13185. 16 Jun 2009. USA: Elbert County, Colorado. N 39.228926, W 103.879.
- 10037 DW Roberts (DWR 1527). Isolated from soil sample SS 13102. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.11295, W 105.0368.
- 10038 DW Roberts (DWR 1528). Isolated from soil sample SS 13749. 27 May 2009. USA: Washington County, Colorado. N 39.624913, W 103.1231.
- 10039 DW Roberts (DWR 1540). Isolated from soil sample SS 13174. 22 Jun 2009. USA: Arapahoe County, Colorado. N 39.653608, W 104.1537.
- 10040 DW Roberts (DWR 1541). Isolated from soil sample SS 14492. 7 Jul 2009. USA: Bent County, Colorado. N 37.91052, W 102.8581.
- 10041 DW Roberts (DWR 1542). Isolated from soil sample SS 12606. 23 Jun 2009. USA: Ochiltree County, Texas. N 36.421, W 101.364.
- 10042 DW Roberts (DWR 1543). Isolated from soil sample SS 12638. 24 Jun 2009. USA: Hansford County, Texas. N 36.19773, W 101.22712.
- 10043 DW Roberts (DWR 1544). Isolated from soil sample SS 12640. 25 Jun 2009. USA: Hutchinson County, Texas. N 35.95214, W 101.22674.
- 10044 DW Roberts (DWR 1545). Isolated from soil sample SS 14964. 5 Jun 2009. USA: Routt County, Colorado. N 40.499741, W 107.2291.

- 10045 DW Roberts (DWR 1546). Isolated from soil sample SS 14981. 22 Jun 2009. USA: Routt County, Colorado. N 40.365231, W 106.7475.
- 10046 DW Roberts (DWR 1547). Isolated from soil sample SS 15007. 24 Jun 2009. USA: Baca County, Colorado. N 37.264538, W 102.7783.
- 10047 DW Roberts (DWR 1548). Isolated from soil sample SS 15025. 27 Jun 2009. USA: Routt County, Colorado. N 40.735816, W 107.1246.
- 10048 DW Roberts (DWR 1553). Isolated from soil sample SS 16368. 11 Aug 2009. USA: Okanogan County, Washington. N 48.24863, W 118.89864.
- 10049 DW Roberts (DWR 1554). Isolated from soil sample SS 17125. 16 Jul 2009. USA: Goshen County, Wyoming. N 42.184521, W 104.45296.
- 10050 DW Roberts (DWR 1555). Isolated from soil sample SS 16143. 5 Aug 2009. USA: Judith Basin County, Montana. N 47.16631, W 110.7234.
- 10051 DW Roberts (DWR 1556). Isolated from soil sample SS 16299. 27 Jul 2009. USA: Ravalli County, Montana.
- 10052 DW Roberts (DWR 1557). Isolated from soil sample SS 17105. 6 Jul 2009. USA: Goshen County, Wyoming. N 42.047107, W 104.3445.
- 10053 DW Roberts (DWR 1580). Isolated from soil sample SS 14593. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.280046, W 103.2653.
- 10054 DW Roberts (DWR 1581). Isolated from soil sample SS 16330. 11 Aug 2009. USA: Sanders, Montana. N 48.08786, W 116.0055.
- 10055 DW Roberts (DWR 1582). Isolated from soil sample SS 14058. 5 Jun 2009. USA: Morgan County, Colorado. N 40.146715, W 103.5101.
- 10056 DW Roberts (DWR 1583). Isolated from soil sample SS 14218. 4 Aug 2009. USA: Iron County, Utah. N 37.3221, W 113.0306.
- 10057 DW Roberts (DWR 1584). Isolated from soil sample SS 14595. 8 Jul 2009. USA: Baca County, Colorado. N 37.557158, W 102.9408.
- 10058 DW Roberts (DWR 1591). Isolated from soil sample SS 15781. 2 Jun 2009. USA: Tripp County, South Dakota. N 43.162, W 99.8701.
- 10059 DW Roberts (DWR 1592). Isolated from soil sample SS 15770. 16 Jun 2009. USA: Lyman County, South Dakota. N 43.9051, W 99.7065.
- 10060 DW Roberts (DWR 1601). Isolated from soil sample SS 15269. 8 Jun 2009. USA: Shannon County, South Dakota. N 43.4775, W 102.9187.
- 10061 DW Roberts (DWR 1602). Isolated from soil sample SS 17132. 21 Jul 2009. USA: Goshen County, Wyoming. N 42.392979, W 104.35598.
- 10062 DW Roberts (DWR 1610). Isolated from soil sample SS 15087. Jul 2009. USA: Fremont County, Colorado. N 38.696808, W 105.4887.
- 10063 DW Roberts (DWR 1611). Isolated from soil sample SS 17311, colony 1. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.
- 10064 DW Roberts (DWR 1612). Isolated from soil sample SS 17311, colony 2. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.
- 10065 DW Roberts (DWR 1613). Isolated from soil sample SS 17311, colony 3. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.
- 10066 DW Roberts (DWR 1614). Isolated from soil sample SS 16348. 10 Aug 2009. USA: Ferry County, Washington. N 48.334457, W 118.22365.
- 10067 DW Roberts (DWR 1615). Isolated from soil sample SS 14683. 8 Jul 2009. USA: Baca County, Colorado. N 37.599526, W 103.0024.
- 10068 DW Roberts (DWR 1652). Isolated from soil sample SS 15462. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0389, W 99.076.
- 10069 DW Roberts (DWR 1653). Isolated from soil sample SS 14725, colony 1. 3 Jun 2009. USA: Montrose County, Colorado. N 38.449135, W 109.0525.
- 10070 DW Roberts (DWR 1654). Isolated from soil sample SS 14725, colony 2. 3 Jun 2009. USA: Montrose County, Colorado. N 38.449135, W 109.0525.
- 10071 DW Roberts (DWR 1655). Isolated from soil sample SS 14729. 5 Jun 2009. USA: Montezuma County, Colorado. N 37.469161, W 108.1988.
- 10072 DW Roberts (DWR 1656). Isolated from soil sample SS 14202. 28 Jul 2009. USA: Elko County, Nevada. N 41.870107, W 115.4253.
- 10073 DW Roberts (DWR 1657). Isolated from soil sample SS 14169. 14 Jul 2009. USA: Elko County, Nevada. N 41.800432, W 115.50082.
- 10074 DW Roberts (DWR 1658). Isolated from soil sample SS 14158, colony 1. 4 Jun 2009. USA: Idaho County, Idaho.
- 10075 DW Roberts (DWR 1659). Isolated from soil sample SS 14158, colony 2. 4 Jun 2009. USA: Idaho County, Idaho.
- 10076 DW Roberts (DWR 1660). Isolated from soil sample SS 14424. 27 Jul 2009. USA: Eureka County, Nevada. N 39.943369, W 116.074.
- 10077 DW Roberts (DWR 1683). Isolated from soil sample SS 17491. 16 Jun 2009. USA: Prowers County, Colorado. N 37.838933, W 102.2264.
- 10078 DW Roberts (DWR 1684). Isolated from soil sample SS 17987. 6 Aug 2009. USA: Umatilla County, Oregon.
- 10079 DW Roberts (DWR 1685). Isolated from soil sample SS 15585. 12 Jun 2009. USA: Tripp County, South Dakota. N 43.6229, W 100.18.
- 10080 DW Roberts (DWR 1686). Isolated from soil sample SS 17658. 4 Jul 2009. USA: Bent County, Colorado. N 38.012501, W 102.9669.

- 10081 DW Roberts (DWR 1687). Isolated from soil sample SS 17909. 11 Aug 2009. USA: Gilliam County, Oregon.
- 10082 DW Roberts (DWR 1688). Isolated from soil sample SS 17940. 11 Aug 2009. USA: Morrow County, Oregon.
- 10083 DW Roberts (DWR 1689). Isolated from soil sample SS 17763. 9 Jul 2009. USA: Yuma County, Colorado. N 40.075706, W 102.4637.
- 10084 DW Roberts (DWR 1690). Isolated from soil sample SS 17744. 7 Jul 2009. USA: Kit Carson County, Colorado. N 39.289653, W 102.372.
- 10085 DW Roberts (DWR 1699). Isolated from soil sample SS 15643. 11 Jun 2009. USA: Perkins County, South Dakota. N 45.776343, W 102.7977.
- 10086 DW Roberts (DWR 1700). Isolated from soil sample SS 16653. 21 Jul 2009. USA: Show Low, Arizona. N 34.31598, W 110.33913.
- 10087 DW Roberts (DWR 1701). Isolated from soil sample SS 17701. 5 Jul 2009. USA: Yuma County, Colorado.
- 10088 DW Roberts (DWR 1702). Isolated from soil sample SS 17707. 5 Jul 2009. USA: Yuma County, Colorado.
- 10089 DW Roberts (DWR 1703). Isolated from soil sample SS 14264, colony 1. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.
- 10090 DW Roberts (DWR 1704). Isolated from soil sample SS 14277, colony 1. 27 Jul 2009. USA: Bonneville County, Idaho. N 43.6059, W 111.5146.
- 10091 DW Roberts (DWR 1705). Isolated from soil sample SS 14277, colony 2. 27 Jul 2009. USA: Bonneville County, Idaho. N 43.6059, W 111.5146.
- 10092 DW Roberts (DWR 1706). Isolated from soil sample SS 14306. 6 Aug 2009. USA: Minidoka County, Idaho. N 42.579567, W 113.92838.
- 10093 DW Roberts (DWR 1707). Isolated from soil sample SS 15101. Jul 2009. USA: Fremont County, Colorado. N 38.539323, W 105.7244.
- 10094 DW Roberts (DWR 1708). Isolated from soil sample SS 15122. 24 Jun 2009. USA: Baca County, Colorado. N 37.290136, W 103.0498.
- 10095 DW Roberts (DWR 1709). Isolated from soil sample SS 15922, colony 1. 12 Aug 2009. USA: Okanogan County, Washington. N 48.546579, W 118.97652.
- 10096 DW Roberts (DWR 1710). Isolated from soil sample SS 15922, colony 2. 12 Aug 2009. USA: Okanogan County, Washington. N 48.546579, W 118.97652.
- 10097 DW Roberts (DWR 1714). Isolated from soil sample SS 14264, colony 2. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.
- 10098 DW Roberts (DWR 1715). Isolated from soil sample SS 14264, colony 3. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.
- 10099 DW Roberts (DWR 1716). Isolated from soil sample SS 17770, colony 1. 9 Jul 2009. USA: Kit Carson County, Colorado. N 39.562111, W 102.4253.
- 10100 DW Roberts (DWR 1717). Isolated from soil sample SS 17770, colony 2. 9 Jul 2009. USA: Kit Carson County, Colorado. N 39.562111, W 102.4253.
- 10101 DW Roberts (DWR 1718). Isolated from soil sample SS 15554, colony 1. 10 Jun 2009. USA: Bennett County, South Dakota. N 43.1476, W 101.7323.
- 10102 DW Roberts (DWR 1719). Isolated from soil sample SS 15554, colony 2. 10 Jun 2009. USA: Bennett County, South Dakota. N 43.1476, W 101.7323.
- 10103 DW Roberts (DWR 1720). Isolated from soil sample SS 16081. 22 Jul 2009. USA: Musselshell County, Montana. N 46.2225, W 108.504.
- 10104 DW Roberts (DWR 1721). Isolated from soil sample SS 17821. 14 Aug 2009. USA: Oregon.
- 10105 DW Roberts (DWR 1722). Isolated from soil sample SS 17991. 10 Aug 2009. USA: Umatilla County, Oregon.
- 10106 DW Roberts (DWR 1723). Isolated from soil sample SS 13501. 10 Jun 2009. USA: Elbert County, Colorado. N 39.14357, W 104.2922.
- 10107 DW Roberts (DWR 1740). Isolated from soil sample SS 16903. 20 Aug 2009. USA: Graham County, Arizona. N 32.831492, W 110.14019.
- 10108 DW Roberts (DWR 1741). Isolated from soil sample SS 15618. 1 Jun 2009. USA: Lake County, South Dakota. N 43.88016, W 96.978852.
- 10109 DW Roberts (DWR 1742). Isolated from soil sample SS 15513. 2 Jun 2009. USA: Minnehaha County, South Dakota. N 43.630077, W 96.618407.
- 10110 DW Roberts (DWR 1743). Isolated from soil sample SS 15344. 1 Jul 2009. USA: Corson County, South Dakota. N 45.6247, W 101.1415.
- 10111 DW Roberts (DWR 1744). Isolated from soil sample SS 15136. 25 Jun 2009. USA: Huerfano County, Colorado. N 37.805756, W 104.6537.
- 10112 DW Roberts (DWR 1763). Isolated from soil sample SS 17568. 22 Jun 2009. USA: Kiowa County, Colorado. N 38.322571, W 102.6186.
- 10113 DW Roberts (DWR 1764). Isolated from soil sample SS 17569. 22 Jun 2009. USA: Kiowa County, Colorado. N 38.40456, W 102.6193.
- 10114 DW Roberts (DWR 1765). Isolated from soil sample SS 17559. 22 Jun 2009. USA: Prowers County, Colorado. N 38.165975, W 102.2108.
- 10115 DW Roberts (DWR 1766). Isolated from soil sample SS 17562. 22 Jun 2009. USA: Prowers County, Colorado. N 38.113836, W 102.4122.
- 10116 DW Roberts (DWR 1767). Isolated from soil sample SS 16935. 4 Aug 2009. USA: Coconino County, Arizona. N 34.464008, W 110.97636.
- 10117 DW Roberts (DWR 1771). Isolated from soil sample SS 17536. 21 Jun 2009. USA: Baca County, Colorado. N 37.251095, W 102.4412.
- 10118 DW Roberts (DWR 1808). Isolated from soil sample SS 13232. 8 Jul 2009. USA: Moffat County, Colorado. N 40.429511, W 108.1482.

- 10119 DW Roberts (DWR 1809). Isolated from soil sample SS 16509. 23 Jul 2009. USA: Coconino County, Arizona. N 35.228356, W 111.98011.
- 10120 DW Roberts (DWR 1810). Isolated from soil sample SS 16814. 29 Jul 2009. USA: Coconino County, Arizona. N 35.191634, W 112.27041.
- 10121 DW Roberts (DWR 1811). Isolated from soil sample SS 16860. 29 Jul 2009. USA: Coconino County, Arizona. N 35.164075, W 112.15773.
- 10122 DW Roberts (DWR 1812). Isolated from soil sample SS 18039, colony 1. 4 Nov 2009. USA: Canyon County, Idaho. N 43.33.154, W 116.33.965.
- 10123 DW Roberts (DWR 1813). Isolated from soil sample SS 18039, colony 2. 4 Nov 2009. USA: Canyon County, Idaho. N 43.33.154, W 116.33.965.
- 10124 DW Roberts (DWR 1814). Isolated from soil sample SS 18044. 5 Nov 2009. USA: Canyon County, Idaho. N 43.32.895, W 116.33.093.
- 10125 DW Roberts (DWR 1815). Isolated from soil sample SS 18056. 5 Nov 2009. USA: Owyhee County, Idaho. N 43.32.755, W 116.53.541.
- 10126 DW Roberts (DWR 1844). Isolated from soil sample SS 17853. 5 Aug 2009. USA: Harney County, Oregon. N 42.664078, W 118.4723.
- 10314 DW Roberts (DWR 1845). Isolated from soil sample SS 17873. 13 Aug 2009. USA: Wallowa County, Oregon. N 45.66882, W 116.9404.
- 10315 DW Roberts (DWR 1855). Isolated from soil sample SS 15529. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.2035, W 100.1666.
- 10316 DW Roberts (DWR 1856). Isolated from soil sample SS 15146. 16 Jul 2009. USA: Custer County, Colorado. N 38.088653, W 105.5118.
- 10317 DW Roberts (DWR 1857). Isolated from soil sample SS 18079. Sep 2009. USA: Elko County, Nevada. N 40.775453, W 115.3309.
- 10318 DW Roberts (DWR 1858). Isolated from soil sample SS 15904. 6 Aug 2009. USA: Stevens County, Washington. N 48.713105, W 118.05228.
- 10319 DW Roberts (DWR 1859). Isolated from soil sample SS 14930, colony 1. 4 Jun 2009. USA: Pueblo County, Colorado. N 38.174323, W 104.59353.
- 10320 DW Roberts (DWR 1860). Isolated from soil sample SS 14930, colony 2. 4 Jun 2009. USA: Pueblo County, Colorado. N 38.174323, W 104.59353.
- 10321 DW Roberts (DWR 1908). Isolated from soil sample SS 15883. 12 May 2009. USA: Kootenai County, Idaho. N 47.775148, W 116.96062.
- 10322 DW Roberts (DWR 1909). Isolated from soil sample SS 12891. 8 Jul 2009. USA: Antelope Flats, Point of Pines, Arizona. N 33.357648, W 109.73008.
- 10323 DW Roberts (DWR 1938). Isolated from soil sample SS 15228. Jun 2009. USA: Todd County, South Dakota. N 43.645, W 100.57.
- 10324 DW Roberts (DWR 1942). Isolated from soil sample SS 18100. 17 Nov 2009. USA: North Ocean Springs, Mississippi. N 30.28566, W 88.51151.
- 10325 DW Roberts (DWR 1949). Isolated from soil sample SS 18336. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.820671, W 100.77505.
- 10326 DW Roberts (DWR 1950). Isolated from soil sample SS 18335. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.820708, W 100.59431.
- 10327 DW Roberts (DWR 1951). Isolated from soil sample SS 18332. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.82045, W 100.39461.
- 10328 DW Roberts (DWR 1954). Isolated from soil sample SS 5123. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.98988, W 102.21945.
- 10329 DW Roberts (DWR 1955). Isolated from soil sample SS 18341, colony 1. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.
- 10330 DW Roberts (DWR 1956). Isolated from soil sample SS 18341, colony 2. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.
- 10331 DW Roberts (DWR 1957). Isolated from soil sample SS 18341, colony 3. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.
- 10332 DW Roberts (DWR 1958). Isolated from soil sample SS 1591. 13 Aug 2008. USA: Grant County, Nebraska. N 41.962825, W 101.50659.
- 10333 DW Roberts (DWR 1971). Isolated from soil sample SS 5120. 18 Aug 2008. USA: Morrill County, Nebraska. N 41.8132, W 103.14888.
- 10334 DW Roberts (DWR 1996). Isolated from soil sample SS 1488. 16 Jul 2008. USA: Franklin County, Washington. N 46.66756, W 118.25021.
- 10335 DW Roberts (DWR 1998). Isolated from soil sample SS 18339. 11 Jun 2008. USA: Bottineau County, North Dakota. N 48.774625, W 101.14656.
- 10336 DW Roberts (DWR 1999). Isolated from soil sample SS 18340. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.654198, W 101.14718.
- 10337 DW Roberts (DWR 2003). Isolated from soil sample SS 1675, colony 2. 14 Aug 2008. USA: Howard County, Nebraska. N 41.0758, W 98.4988.
- 10338 DW Roberts (DWR 2004). Isolated from soil sample SS 6130, colony 1. 12 Aug 2008. USA: Dale Widhalm, Nebraska. N 41.65222, W 102.85937.
- 10339 DW Roberts (DWR 2005). Isolated from soil sample SS 6130, colony 2. 12 Aug 2008. USA: Dale Widhalm, Nebraska. N 41.65222, W 102.85937.
- 10340 DW Roberts (DWR 2006). Isolated from soil sample SS 4907. 20 Jun 2008. USA: Towner County, North Dakota. N 48.805, W 99.329.
- 10341 DW Roberts (DWR 2007). Isolated from soil sample SS 4908. 20 Jun 2008. USA: Cavalier County, North Dakota. N 48.8197, W 98.6278.

- 10342 DW Roberts (DWR 2008). Isolated from soil sample SS 4904. 12 Jun 2008. USA: Ward County, North Dakota. N 48.05092, W 100.0582.
- 10343 DW Roberts (DWR 2009). Isolated from soil sample SS 5244. 20 Jun 2008. USA: Brule County, South Dakota. N 43.6147, W 98.99251.
- 10344 DW Roberts (DWR 2010). Isolated from soil sample SS 4901, colony 1. 20 Jun 2008. USA: McLean County, North Dakota. N 47.8331, W 100.888.
- 10345 DW Roberts (DWR 2011). Isolated from soil sample SS 4901, colony 2. 20 Jun 2008. USA: McLean County, North Dakota. N 47.8331, W 100.888.
- 10346 DW Roberts (DWR 2025). Isolated from soil sample SS 4446. May 2008. USA: Hardeman County, Texas. N 34.14822, W 99.7336.
- 11668 Z Demirbag (As1) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11669 Z Demirbag (As2) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.
- 11685 Z Demirbag (As18) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11686 Z Demirbag (As19) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11839 [ERL 2020] S Gouli (THR-11-12) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Underhill, Vermont.
- 11849 [ERL 2030] S Gouli (THR-11-20) and V Gouli. [Coleoptera: Chrysomelidae]. 2011. USA: Underhill, Vermont.
- 12452 T Reall (MHF) or (MH6). *Galleria mellonella* [Lepidoptera: Pyralidae]. Sep 2011. USA: Monterey Hills forest, Columbia, Missouri. N 38.98253, W 92.38603.
- 12453 T Reall (MHU) or (P1). *Galleria mellonella* [Lepidoptera: Pyralidae]. 11 Sep 2012. USA: Parkade neighborhood, Columbia, Missouri. N 38.97482, W 92.35132.
- 12454 T Reall (MLF) or (Gu9). *Galleria mellonella* [Lepidoptera: Pyralidae]. 29 Sep 2011. USA: Guilford forest, Columbia, Missouri. N 39.04678, W 92.40152.
- 12455 T Reall (P5) or (MLU). *Galleria mellonella* [Lepidoptera: Pyralidae]. 24 Aug 2012. USA: Parkade neighborhood, Columbia, Missouri. N 38.97484, W 92.34701.
- 12511 ST Jaronski (13WS64). *Cephus cinctus* [Hymenoptera: Cephidae]. 23 Sep 2013. USA: East Knee, Chouteau County, Montana.
- 12516 ST Jaronski (13WS21). *Cephus cinctus* [Hymenoptera: Cephidae]. 29 Aug 2013. USA: East Knee, Chouteau County, Montana.
- 12539 A Altinok (71). Isolated from soil sample. Rec'd 19 May 2014. Turkey: Kayseri Province.
- 12563 O Nishi (Fkk63-13t) and S Shimizu. *Reticulitermes speratus* [Isoptera: Rhinotermitidae] as bait from soil. Sep 2010. Japan: Fukuoka Prefecture.
- 12567 O Nishi (YT2) and S Shimizu. Adult, *Teleogryllus emma* [Orthoptera: Gryllidae]. Oct 2012. Japan: Fukuoka Prefecture.
- 12570 O Nishi (Fkk70-17t) and S Shimizu. *Reticulitermes speratus* [Isoptera: Rhinotermitidae] as bait from soil. Sep 2010. Japan: Fukuoka Prefecture.
- 12571 O Nishi (Ngs5-2) and S Shimizu. Isolated from soil sample. May 2008. Japan: Nagasaki Prefecture.
- 12635 DW Roberts (DWR 2043). Isolated from soil sample SS 239. 28 May 2006. USA: South of Jacob Lake, Highway 89, Jacob Lake, Arizona. N 36.43.555, W 112.07.522.
- 12636 DW Roberts (DWR 2062). Isolated from soil sample SS 328. 31 May 2006. USA: Bisbee, Arizona. N 31.27.155, W 109.56.214.
- 12637 DW Roberts (DWR 2063). Isolated from soil sample SS 55. 17 May 2005. USA: Colorado City, Arizona. N 36.55.241, W 112.55.179.
- 12638 DW Roberts (DWR 2064). Isolated from soil sample SS 20929. 14 Jul 2010. USA: Arizona. N 33.57795, W 112.37415.
- 12639 DW Roberts (DWR 2065). Isolated from soil sample SS 20048. 8 May 2010. USA: Walla Walla County, Washington. N 46.38811, W 118.61058.
- 12640 DW Roberts (DWR 2066). Isolated from soil sample SS 20084. 8 Jun 2010. USA: Columbia County, Washington. N 46.5124, W 117.97235.
- 12641 DW Roberts (DWR 2067). Isolated from soil sample SS 20088. 8 Jun 2010. USA: Columbia County, Washington. N 46.52308, W 118.17977.
- 12642 DW Roberts (DWR 2068). Isolated from soil sample SS 20090. 23 Jun 2010. USA: Okanogan County, Washington. N 48.19967, W 120.11118.
- 12643 DW Roberts (DWR 2070). Isolated from soil sample SS 20131. 16 Mar 2010. USA: Jackson County, Oregon. N 42.33071, W 122.93755.
- 12644 DW Roberts (DWR 2072). Isolated from soil sample SS 20467, colony 2. 8 Jul 2010. USA: Arizona. N 33.23065, W 111.68604.
- 12645 DW Roberts (DWR 2073). Isolated from soil sample SS 20512. 30 Jun 2010. USA: Arizona. N 33.56883, W 112.36325.
- 12646 DW Roberts (DWR 2074). Isolated from soil sample SS 20648. 29 Jun 2010. USA: Arizona. N 33.46194, W 111.73806.
- 12647 DW Roberts (DWR 2075). Isolated from soil sample SS 21002. 16 Jul 2010. USA: Arizona. N 33.21923, W 111.68604.
- 12648 DW Roberts (DWR 2076). Isolated from soil sample SS 21076. 6 Jul 2010. USA: Arizona. N 33.66873, W FM006.

- 12649 DW Roberts (DWR 2099). Isolated from soil sample SS 20904. 12 Jul 2010. USA: Arizona. N 33.21922, W 111.68607.
- 12650 DW Roberts (DWR 2100). Isolated from soil sample SS 20878. 25 Jul 2010. USA: Sevier County, Utah. N 38.54399, W 111.56553.
- 12651 DW Roberts (DWR 2101). Isolated from soil sample SS 20086. 8 Jun 2010. USA: Walla Walla County, Washington. N 46.57032, W 118.40263.
- 12652 DW Roberts (DWR 2102). Isolated from soil sample SS 20047. 8 May 2010. USA: Walla Walla County, Washington. N 46.22469, W 118.57391.
- 12653 DW Roberts (DWR 2104). Isolated from soil sample SS 20052. 13 May 2010. USA: Grant County, Washington. N 46.80819, W 119.80977.
- 12654 DW Roberts (DWR 2105). Isolated from soil sample SS 20951. 14 Jul 2010. USA: Arizona. N 33.57676, W 112.37534.
- 12655 DW Roberts (DWR 2107). Isolated from soil sample SS 19490. 10 Jun 2010. USA: Nevada. N 39.590597, W 115.997968.
- 12656 DW Roberts (DWR 2120). Isolated from soil sample SS 21341. 6 Jul 2010. USA: Arizona. N 33.67146, W 111.68788.
- 12657 DW Roberts (DWR 2121). Isolated from soil sample SS 19303. 17 Jun 2010. USA: Tooele County, Utah. N 40.2907, W 112.1054.
- 12658 DW Roberts (DWR 2122). Isolated from soil sample SS 20106. 1 Jul 2010. USA: Douglas County, Washington. N 47.38835, W 119.93537.
- 12659 DW Roberts (DWR 2123). Isolated from soil sample SS 20900. 12 Jul 2010. USA: Arizona. N 33.21926, W 111.68604.
- 12660 DW Roberts (DWR 2124). Isolated from soil sample SS 21462. 29 Jul 2010. USA: Garfield County, Utah. N 38.0547, W 112.2011.
- 12661 DW Roberts (DWR 2125). Isolated from soil sample SS 21771. 28 Jun 2010. USA: Nevada. N 39.291815, W 117.851438.
- 12662 DW Roberts (DWR 2142). Isolated from soil sample SS 20110. 6 Jul 2010. USA: Yakima County, Washington. N 46.44774, W 120.77084.
- 12663 DW Roberts (DWR 2143). Isolated from soil sample SS 22042. 29 Jul 2010. USA: Nebraska. N 41.450414, W 103.62064.
- 12664 DW Roberts (DWR 2144). Isolated from soil sample SS 22218. 26 Jul 2010. USA: Nebraska. N 41.497296, W 103.294434.
- 12665 DW Roberts (DWR 2145). Isolated from soil sample SS 22229. 26 Jul 2010. USA: Nebraska. N 41.7144, W 103.196487.
- 12666 DW Roberts (DWR 2146). Isolated from soil sample SS 22248, colony 1. 27 Jul 2010. USA: Nebraska. N 41.858552, W 102.78511.
- 12667 DW Roberts (DWR 2147). Isolated from soil sample SS 22248, colony 2. 27 Jul 2010. USA: Nebraska. N 41.858552, W 102.78511.
- 12668 DW Roberts (DWR 2148). Isolated from soil sample SS 22251, colony 1. 27 Jul 2010. USA: Nebraska. N 41.946989, W 102.805499.
- 12669 DW Roberts (DWR 2149). Isolated from soil sample SS 22251, colony 2. 27 Jul 2010. USA: Nebraska. N 41.946989, W 102.805499.
- 12670 DW Roberts (DWR 2151). Isolated from soil sample SS 22408. 28 Jul 2010. USA: Nebraska. N 41.18819, W 98.344795.
- 12671 DW Roberts (DWR 2152). Isolated from soil sample SS 22429. 30 Jul 2010. USA: Nebraska. N 41.624255, W 103.98627.
- 12672 DW Roberts (DWR 2153). Isolated from soil sample SS 22432. 30 Jul 2010. USA: Nebraska. N 41.690773, W 103.77478.
- 12673 DW Roberts (DWR 2154). Isolated from soil sample SS 22464. 3 Aug 2010. USA: Nebraska. N 41.163671, W 103.491334.
- 12674 DW Roberts (DWR 2155). Isolated from soil sample SS 22211. 30 Jul 2010. USA: Lincoln County, New Mexico. N 33.7189, W 105.36029.
- 12675 DW Roberts (DWR 2156). Isolated from soil sample SS 22045. 29 Jul 2010. USA: Nebraska. N 41.4800237, W 103.773709.
- 12676 DW Roberts (DWR 2157). Isolated from soil sample SS 22054. 28 Jul 2010. USA: Nebraska. N 41.692081, W 102.983177.
- 12677 DW Roberts (DWR 2158). Isolated from soil sample SS 22067. 28 Jul 2010. USA: Nebraska. N 41.652213, W 102.859357.
- 12678 DW Roberts (DWR 2159). Isolated from soil sample SS 22069. 28 Jul 2010. USA: Nebraska. N 41.845047, W 103.2775.
- 12679 DW Roberts (DWR 2160). Isolated from soil sample SS 22243. 27 Jul 2010. USA: Nebraska. N 41.929605, W 102.731321.
- 12680 DW Roberts (DWR 2161). Isolated from soil sample SS 22268. 26 Jul 2010. USA: Nebraska. N 40.64849, W 101.10714.
- 12681 DW Roberts (DWR 2162). Isolated from soil sample SS 22459. 3 Aug 2010. USA: Nebraska. N 41.178377, W 103.328544.
- 12682 DW Roberts (DWR 2192). Isolated from soil sample SS 21985. 7 Jul 2010. USA: Elko County, Nevada. N 41.474507, W 116.101377.
- 12683 DW Roberts (DWR 2193). Isolated from soil sample SS 22064. 28 Jul 2010. USA: Morrill County, Nebraska. N 41.55449, W 102.901323.
- 12684 DW Roberts (DWR 2194). Isolated from soil sample SS 22296. 29 Jul 2010. USA: Keith County, Nebraska. N 41.1487, W 101.88333.

- 12685 DW Roberts (DWR 2195). Isolated from soil sample SS 22070. 28 Jul 2010. USA: Morrill County, Nebraska. N 41.517032, W 102.734296.
- 12686 DW Roberts (DWR 2197). Isolated from soil sample SS 22041. 29 Jul 2010. USA: Banner County, Nebraska. N 41.422439, W 103.733264.
- 12687 DW Roberts (DWR 2198). Isolated from soil sample SS 20387. 29 Jun 2010. USA: Maricopa County, Arizona. N 33.45411, W 111.74036.
- 12688 DW Roberts (DWR 2199). Isolated from soil sample SS 20394, colony 1. 29 Jun 2010. USA: Maricopa County, Arizona. N 33.4627, W 111.74017.
- 12689 DW Roberts (DWR 2200). Isolated from soil sample SS 20394, colony 2. 29 Jun 2010. USA: Maricopa County, Arizona. N 33.4627, W 111.74017.
- 12690 DW Roberts (DWR 2201). Isolated from soil sample SS 20402. 29 Jun 2010. USA: Maricopa County, Arizona. N 33.45846, W 111.74179.
- 12691 DW Roberts (DWR 2218). Isolated from soil sample SS 25630. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.411414, W 101.650143.
- 12692 DW Roberts (DWR 2220). Isolated from soil sample SS 25639, colony 1. 14 Sep 2010. USA: Thomas County, Nebraska. N 41.873913, W 100.555994.
- 12693 DW Roberts (DWR 2221). Isolated from soil sample SS 25639, colony 2. 14 Sep 2010. USA: Thomas County, Nebraska. N 41.873913, W 100.555994.
- 12694 DW Roberts (DWR 2222). Isolated from soil sample SS 25074. 13 Sep 2010. USA: Custer County, Nebraska. N 41.568444, W 99.982962.
- 12695 DW Roberts (DWR 2223). Isolated from soil sample SS 25069. 13 Sep 2010. USA: Custer County, Nebraska. N 41.668393, W 100.156238.
- 12696 DW Roberts (DWR 2226). Isolated from soil sample SS 25446. 14 Sep 2010. USA: Arthur County, Nebraska. N 41.56499, W 101.942818.
- 12697 DW Roberts (DWR 2227). Isolated from soil sample SS 20293. 30 Jun 2010. USA: Maricopa County, Arizona. N 33.45108, W 111.74242.
- 12698 DW Roberts (DWR 2077a). Isolated from soil sample SS 21125. 6 Jul 2010. USA: Arizona. N 33.06476, W 111.86357.
- 12699 DW Roberts (DWR 2077b). Isolated from soil sample SS 21125. 6 Jul 2010. USA: Arizona. N 33.06476, W 111.86357.
- 12700 DW Roberts (DWR 2228). Isolated from soil sample SS 24800. 10 Aug 2010. USA: Maricopa County, Arizona. N 33.45787, W 111.75723.
- 12701 DW Roberts (DWR 2229). Isolated from soil sample SS 24922. 20 Aug 2010. USA: Maricopa County, Arizona. N 33.21973, W 111.68955.
- 12702 DW Roberts (DWR 2233). Isolated from soil sample SS 25060. 13 Sep 2010. USA: Custer County, Nebraska. N 41.687726, W 99.942833.
- 12703 DW Roberts (DWR 2234). Isolated from soil sample SS 25155. 13 Sep 2010. USA: Holt County, Nebraska. N 42.16942, W 99.01904.
- 12704 DW Roberts (DWR 2235). Isolated from soil sample SS 25656. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.879468, W 101.952129.
- 12705 DW Roberts (DWR 2236). Isolated from soil sample SS 25158. 13 Sep 2010. USA: Holt County, Nebraska. N 42.320151, W 99.018228.
- 12706 DW Roberts (DWR 2237). Isolated from soil sample SS 25153. 13 Sep 2010. USA: Holt County, Nebraska. N 42.113828, W 99.013681.
- 12707 DW Roberts (DWR 2239). Isolated from soil sample SS 25066. 13 Sep 2010. USA: Blaine County, Nebraska. N 41.808056, W 100.014743.
- 12708 DW Roberts (DWR 2240). Isolated from soil sample SS 25148. 13 Sep 2010. USA: Holt County, Nebraska. N 42.277325, W 98.808132.
- 12709 DW Roberts (DWR 2241). Isolated from soil sample SS 24119. 11 Aug 2010. USA: Minidoka County, Idaho. N 42.679608, W 113.853252.
- 12710 DW Roberts (DWR 2242). Isolated from soil sample SS 24703. 16 Aug 2010. USA: Maricopa County, Arizona. N 33.45099, W 111.75014.
- 12711 DW Roberts (DWR 2243). Isolated from soil sample SS 25172. 13 Sep 2010. USA: Rock County, Nebraska. N 42.594219, W 99.265005.
- 12712 DW Roberts (DWR 2244). Isolated from soil sample SS 25260. 13 Sep 2010. USA: Loup County, Nebraska. N 42.029612, W 99.46943.
- 12713 DW Roberts (DWR 2245). Isolated from soil sample SS 25264. 13 Sep 2010. USA: Loup County, Nebraska. N 41.770317, W 99.436756.
- 12714 DW Roberts (DWR 2246). Isolated from soil sample SS 25047. 13 Sep 2010. USA: Wheeler County, Nebraska. N 42.05889, W 98.7005.
- 12715 DW Roberts (DWR 2247). Isolated from soil sample SS 25419. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.371047, W 101.717451.
- 12716 DW Roberts (DWR 2248). Isolated from soil sample SS 25437. 14 Sep 2010. USA: Thomas County, Nebraska. N 41.956178, W 100.439972.
- 12717 DW Roberts (DWR 2249). Isolated from soil sample SS 25420. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.551872, W 100.804756.
- 12718 DW Roberts (DWR 2250). Isolated from soil sample SS 25451. 14 Sep 2010. USA: Arthur County, Nebraska. N 41.490493, W 101.86037.
- 12719 DW Roberts (DWR 2251). Isolated from soil sample SS 25627. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.371957, W 101.455504.
- 12720 DW Roberts (DWR 2252). Isolated from soil sample SS 26152. 10 Aug 2010. USA: Mineral County, Montana. N 47.043903, W 114.734097.

- 12721 DW Roberts (DWR 2253). Isolated from soil sample SS 25423. 14 Sep 2010. USA: Arthur County, Nebraska. N 41.741278, W 101.772594.
- 12722 DW Roberts (DWR 2255). Isolated from soil sample SS 25591. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.750822, W 100.422163.
- 12723 DW Roberts (DWR 2256). Isolated from soil sample SS 25555. 3 Aug 2010. USA: Nebraska.
- 12724 DW Roberts (DWR 2257). Isolated from soil sample SS 25584. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.488703, W 100.312863.
- 12725 DW Roberts (DWR 2259). Isolated from soil sample SS 25522. 2 Aug 2010. USA: Nebraska.
- 12726 DW Roberts (DWR 2260). Isolated from soil sample SS 25520. 2 Aug 2010. USA: Nebraska.
- 12727 DW Roberts (DWR 2261). Isolated from soil sample SS 25211. 13 Sep 2010. USA: Garden County, Nebraska. N 41.496968, W 102.169292.
- 12728 DW Roberts (DWR 2264). Isolated from soil sample SS 25816. 9 Aug 2010. USA: Dawes County, Nebraska. N 42.439624, W 103.402579.
- 12729 DW Roberts (DWR 2266). Isolated from soil sample SS 25813. 9 Aug 2010. USA: Box Butte County, Nebraska. N 42.22087, W 103.404069.
- 12730 DW Roberts (DWR 2271). Isolated from soil sample SS 25202. 13 Sep 2010. USA: Garden County, Nebraska. N 41.671039, W 102.191667.
- 12731 DW Roberts (DWR 2273). Isolated from soil sample SS 25400. 13 Sep 2010. USA: Grant County, Nebraska. N 42.065435, W 101.53029.
- 12732 DW Roberts (DWR 2275). Isolated from soil sample SS 25528. 3 Aug 2010. USA: Nebraska.
- 12733 DW Roberts (DWR 2276). Isolated from soil sample SS 25200. 13 Sep 2010. USA: Garden County, Nebraska. N 41.745247, W 102.098152.
- 12734 DW Roberts (DWR 2277). Isolated from soil sample SS 25208. 13 Sep 2010. USA: Garden County, Nebraska. N 41.317989, W 102.177985.
- 12735 DW Roberts (DWR 2278). Isolated from soil sample SS 25401. 13 Sep 2010. USA: Grant County, Nebraska. N 42.068857, W 101.44444.
- 12736 DW Roberts (DWR 2279). Isolated from soil sample SS 25692. 29 Jul 2010. USA: Nebraska.
- 12737 DW Roberts (DWR 2280). Isolated from soil sample SS 25582. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.392752, W 100.219968.
- 12738 DW Roberts (DWR 2283). Isolated from soil sample SS 25665. 27 Jul 2010. USA: Nebraska.
- 12739 DW Roberts (DWR 2286). Isolated from soil sample SS 25552. 4 Aug 2010. USA: Nebraska.
- 12740 DW Roberts (DWR 2289). Isolated from soil sample SS 25583. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.461975, W 100.206925.
- 12741 DW Roberts (DWR 2293). Isolated from soil sample SS 25638. 14 Sep 2010. USA: Thomas County, Nebraska. N 41.794524, W 100.53779.
- 12742 DW Roberts (DWR 2294). Isolated from soil sample SS 23659. 20 Jul 2010. USA: Roosevelt County, New Mexico. N 34.24404, W 103.1311.
- 12743 DW Roberts (DWR 2295). Isolated from soil sample SS 25880. 24 Aug 2010. USA: Sheridan County, Nebraska. N 42.430806, W 102.135596.
- 12744 DW Roberts (DWR 2298). Isolated from soil sample SS 25300. 13 Sep 2010. USA: Garfield County, Nebraska. N 41.871764, W 98.771073.
- 12745 DW Roberts (DWR 2299). Isolated from soil sample SS 25300. 13 Sep 2010. USA: Garfield County, Nebraska. N 41.871764, W 98.771073.
- 12746 DW Roberts (DWR 2300). Isolated from soil sample SS 25644. 14 Sep 2010. USA: Thomas County, Nebraska. N 41.797899, W 100.403178.
- 12747 DW Roberts (DWR 2301). Isolated from soil sample SS 25835. 10 Aug 2010. USA: Box Butte County, Nebraska. N 42.348894, W 103.170384.
- 12748 DW Roberts (DWR 2302). Isolated from soil sample SS 25293. 13 Sep 2010. USA: Knox County, Nebraska. N 42.710671, W 98.217095.
- 12749 DW Roberts (DWR 2304). Isolated from soil sample SS 26053. 2 Aug 2010. USA: Rosebud County, Montana. N 46.621916, W 107.818637.
- 12750 DW Roberts (DWR 2305). Isolated from soil sample SS 25831. 10 Aug 2010. USA: Box Butte County, Nebraska. N 42.161448, W 103.32826.
- 12751 DW Roberts (DWR 2306). Isolated from soil sample SS 25332. 13 Sep 2010. USA: Custer County, Nebraska. N 41.176133, W 99.63446.
- 12752 DW Roberts (DWR 2307). Isolated from soil sample SS 25618. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.528667, W 100.982476.
- 12753 DW Roberts (DWR 2310). Isolated from soil sample SS 25397. 13 Sep 2010. USA: Grant County, Nebraska. N 41.914007, W 101.926447.
- 12754 DW Roberts (DWR 2311). Isolated from soil sample SS 25044. 13 Sep 2010. USA: Wheeler County, Nebraska. N 41.832847, W 98.509051.
- 12755 DW Roberts (DWR 2312). Isolated from soil sample SS 25044. 13 Sep 2010. USA: Wheeler County, Nebraska. N 41.832847, W 98.509051.
- 12756 DW Roberts (DWR 2313). Isolated from soil sample SS 25760. 17 Aug 2010. USA: Sioux County, Nebraska. N 42.737234, W 103.91522.
- 12757 DW Roberts (DWR 2314). Isolated from soil sample SS 25564. 30 Aug 2010. USA: Sheridan County, Nebraska. N 42.701752, W 102.477467.
- 12758 DW Roberts (DWR 2315). Isolated from soil sample SS 26237. 26 Aug 2010. USA: Lincoln County, Montana. N 48.16426, W 115.44574.

- 12759 DW Roberts (DWR 2316). Isolated from soil sample SS 24127. 11 Aug 2010. USA: Blaine County, Idaho. N 42.736505, W 113.414895.
- 12760 DW Roberts (DWR 2317). Isolated from soil sample SS 25897. 24 Aug 2010. USA: Sheridan County, Nebraska. N 42.370608, W 102.258675.
- 12761 DW Roberts (DWR 2318). Isolated from soil sample SS 25515. 2 Aug 2010. USA: Nebraska.
- 12762 DW Roberts (DWR 2319). Isolated from soil sample SS 24029. 29 Jun 2010. USA: Bennett County, South Dakota. N 43.21505, W 101.33595.
- 12763 DW Roberts (DWR 2339). Isolated from soil sample SS 27411. 19 Apr 2011. USA: Maricopa County, Arizona. N 33.67038, W 111.68867.
- 12764 DW Roberts (DWR 2360). Isolated from soil sample SS 25933. 16 Aug 2010. USA: Sioux County, Nebraska. N 42.282922, W 103.660023.
- 12765 DW Roberts (DWR 2363). Isolated from soil sample SS 25567. 30 Aug 2010. USA: Sheridan County, Nebraska. N 42.307685, W 102.433876.
- 12766 DW Roberts (DWR 2364). Isolated from soil sample SS 25642. 14 Sep 2010. USA: Thomas County, Nebraska. N 41.924147, W 100.550173.
- 12767 DW Roberts (DWR 2365). Isolated from soil sample SS 23893. 27 Jul 2010. USA: Stevens County, Washington. N 48.69042, W 118.088846.
- 12768 DW Roberts (DWR 2366). Isolated from soil sample SS 25405. 13 Sep 2010. USA: Grant County, Nebraska. N 41.887472, W 101.501853.
- 12769 DW Roberts (DWR 2367). Isolated from soil sample SS 25775. 18 Aug 2010. USA: Sioux County, Nebraska. N 42.346068, W 103.913771.
- 12770 DW Roberts (DWR 2375). Isolated from soil sample SS 26385. 8 Sep 2010. USA: Nebraska.
- 12771 DW Roberts (DWR 2386). Isolated from soil sample SS 25698. 27 Jul 2010. USA: Nebraska.
- 12772 DW Roberts (DWR 2387). Isolated from soil sample SS 25488. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.308502, W 100.43707.
- 12773 DW Roberts (DWR 2388). Isolated from soil sample SS 25488. 14 Sep 2010. USA: Cherry County, Nebraska. N 42.308502, W 100.43707.
- 12774 DW Roberts (DWR 2389). Isolated from soil sample SS 25447. 9 Sep 2010. USA: Brown County, Nebraska. N 42.175198, W 100.025127.
- 12775 DW Roberts (DWR 2390). Isolated from soil sample SS 25338. 13 Sep 2010. USA: Custer County, Nebraska. N 41.198119, W 99.300164.
- 12776 DW Roberts (DWR 2391). Isolated from soil sample SS 26449. 7 Sep 2010. USA: Rock County, Nebraska. N 42.264482, W 99.468483.
- 12777 DW Roberts (DWR 2398). Isolated from soil sample SS 26365. 13 Sep 2010. USA: Nebraska.
- 12778 DW Roberts (DWR 2399). Isolated from soil sample SS 25449. 14 Sep 2010. USA: Arthur County, Nebraska. N 41.496285, W 101.925075.
- 12779 DW Roberts (DWR 2401). Isolated from soil sample SS 26736. 27 Jul 2010. USA: Hood River County, Oregon. N 45.68984, W 121.594956.
- 12780 DW Roberts (DWR 2402). Isolated from soil sample SS 26413. 8 Sep 2010. USA: Nebraska.
- 12781 DW Roberts (DWR 2403). Isolated from soil sample SS 25197. 13 Sep 2010. USA: Grant County, Nebraska. N 41.752291, W 102.05473.
- 12782 DW Roberts (DWR 2417). Isolated from soil sample SS 25662. 27 Jul 2010. USA: Nebraska.
- 12783 DW Roberts (DWR 2418). Isolated from soil sample SS 25501. 29 Jul 2010. USA: Nebraska.
- 12784 DW Roberts (DWR 2419). Isolated from soil sample SS 26418. 8 Sep 2010. USA: Nebraska.
- 12785 DW Roberts (DWR 2421). Isolated from soil sample SS 25517. 2 Aug 2010. USA: Nebraska.
- 12786 DW Roberts (DWR 2422). Isolated from soil sample SS 25557. 2 Aug 2010. USA: Nebraska.
- 12787 DW Roberts (DWR 2423). Isolated from soil sample SS 26376. 14 Sep 2010. USA: Nebraska.
- 12788 DW Roberts (DWR 2424). Isolated from soil sample SS 26443. 9 Sep 2010. USA: Brown County, Nebraska. N 42.288682, W 100.068483.
- 12789 DW Roberts (DWR 2425). Isolated from soil sample SS 26443. 9 Sep 2010. USA: Brown County, Nebraska. N 42.288682, W 100.068483.
- 12790 DW Roberts (DWR 2426). Isolated from soil sample SS 25551. 4 Aug 2010. USA: Nebraska.
- 12791 DW Roberts (DWR 2428). Isolated from soil sample SS 26364. 13 Sep 2010. USA: Nebraska.
- 12792 DW Roberts (DWR 2431). Isolated from soil sample SS 26364. 13 Sep 2010. USA: Nebraska.
- 12796 [OKSTATE Sd] EJ Rebeck and JA Rodriguez-Contreras ← SR Sánchez Peña. Larva, *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Summer 2014. USA: Cimarron Valley Research Station, Oklahoma State University, Stillwater, Oklahoma.
- 12850 [IP 414] From infected insect. 4 Feb 2015. Brazil: Bacupari, Rio Grande do Sul. S 13° 48' 16.85", W 47° 25' 38.43". **RESTRICTED ACCESS:** *contact Curator.*
- 12854 [IP 418] Isolated from soil sample using *Rhodnius prolixus* Stål [Hemiptera: Reduviidae] as bait. 11 May 2014. RPPN SB, riverine woodland. **RESTRICTED ACCESS:** *contact Curator.*
- 12858 [IP 422] Larva, 28 Jun 2014. RPPN SB, near Ecotourism. **RESTRICTED ACCESS:** *contact Curator.*
- 12859 [IP 423] Larva, 28 Jun 2014. RPPN SB, near Ecotourism. **RESTRICTED ACCESS:** *contact Curator.*

- 13031 DW Roberts (DWR 2103). Isolated from soil sample SS 20140. 29 Jun 2010. USA: Arizona. N 33.45196, W 111.75133.
- 13032 DW Roberts (DWR 2232). Isolated from soil sample SS 25641. 14 Sep 2010. USA: Thomas County, Nebraska. N 41.82204, W 100.646133.
- 13033 DW Roberts (DWR 2238). Isolated from soil sample SS 25061. 13 Sep 2010. USA: Blaine County, Nebraska. N 41.743485, W 100.017245.
- 13034 DW Roberts (DWR 2254). Isolated from soil sample SS 25668. 27 Jul 2010. USA: Nebraska.
- 13035 DW Roberts (DWR 2265). Isolated from soil sample SS 25195. 13 Sep 2010. USA: McPherson County, Nebraska. N 41.492808, W 100.963118.
- 13036 DW Roberts (DWR 2267). Isolated from soil sample SS 25512. 2 Aug 2010. USA: Nebraska.
- 13037 DW Roberts (DWR 2268). Isolated from soil sample SS 25811. 9 Aug 2010. USA: Sioux County, Nebraska. N 42.125907, W 103.48895.
- 13038 DW Roberts (DWR 2269). Isolated from soil sample SS 25666. 27 Jul 2010. USA: Nebraska.
- 13039 DW Roberts (DWR 2270). Isolated from soil sample SS 25828. 10 Aug 2010. USA: Box Butte County, Nebraska. N 42.003301, W 103.382471.
- 13040 DW Roberts (DWR 2272). Isolated from soil sample SS 25389. 13 Sep 2010. USA: Grant County, Nebraska. N 41.91449, W 102.059523.
- 13041 DW Roberts (DWR 2274). Isolated from soil sample SS 25529. 3 Aug 2010. USA: Nebraska.
- 13042 DW Roberts (DWR 2281). Isolated from soil sample SS 25196. 13 Sep 2010. USA: Garden County, Nebraska. N 41.694737, W 101.997668.
- 13043 DW Roberts (DWR 2282). Isolated from soil sample SS 25196. 13 Sep 2010. USA: Garden County, Nebraska. N 41.694737, W 101.997668.
- 13044 DW Roberts (DWR 2285). Isolated from soil sample SS 25524. 2 Aug 2010. USA: Nebraska.
- 13045 DW Roberts (DWR 2287). Isolated from soil sample SS 25545. 4 Aug 2010. USA: Nebraska.
- 13088 Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica* L., coffee. 22 Mar 2015. USA: Smith Farms, middle field, Bruner Road, Captain Cook, District of South Kona, Hawai'i. HI-897.
RESTRICTED ACCESS: *contact Curator.*
- Metarhizium acridum* (Driver & Milner) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *Metarhizium anisopliae* var. *acridum*. Isolates are all genomically confirmed (Bischoff et al. 2009).
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- 324 [CSIRO FI48] RS Soper ← R Teakle (M-100). *Austracris guttulosa* [Orthoptera: Acrididae]. Feb 1979. Australia: Queensland.
- 3341 [IMI 330189] C Prior. *Ornithacris cavroisi* [Orthoptera: Acrididae]. Rec'd 17 Jun 1991. Niger: ICRISAT, nr. Niamey. Single spore isolate.
- 3391 [FI 1028; IIBC 188-377; IIBC 188-377 ; IMI 324673] *Zonocerus elegans* [Orthoptera: Pyrgomorphidae]. Rec'd 17 Sep 1991. Tanzania.
- 3609 IMI (I91-614). *Patanga succincta* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Thailand.
- 3612 IMI (I91-646). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 26 Feb 1992. Benin.
- 3615 IMI (I91-672). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Guinea-Bissau.
- 3616 IMI (I91-673). *Diabolocantantops axillaris*. Rec'd 26 Feb 1992. Tchad.
- 3618 IMI (I91-675). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Mali.
- 4605 [DAT 505] AC Rath (F505). *Austracris guttulosa* [Orthoptera: Acrididae]. 29 Sep 1993. Australia: Queensland.
- 5735 ST Jaronski (SP5). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5736 ST Jaronski (SP9). *Locusta migratoria capito* [Orthoptera: Acrididae]. 1993. Madagascar.
- 5747 MCHCA Bernal (MaPL14). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.
- 5748 MCHCA Bernal (MaPL32). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.
- 5750 MCHCA Bernal (MaPL39). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1995. Mexico: Isla Socorro, Colima.
- 6421 A Niassy (DPV-1, Khelkom KAN). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 7 Dec 1999. Senegal: Khelcom, District of Kaffrine, Region of Kaolack.
- 6592 [IITA 188] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Koda, Tchaourou, Borgou.
- 6597 [IITA 193] A Cherry. From soil. Rec'd 18 Sep 2000. Benin: Itadjebou, Ouémé.
- 6598 [IITA 194] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Zinvié, Atlantique.
- 6600 [IITA 196] A Cherry. Rec'd 18 Sep 2000. Benin: Diho, Save, Zou.
- 6851 GUL Braga and DW Roberts (DWR 158). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 3341 following UV-B exposure.
- 6852 GUL Braga and DW Roberts (DWR 159). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.

- 6853 GUL Braga and DW Roberts (DWR 160). 6 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 3341 following UV-B exposure.
- 6854 GUL Braga and DW Roberts (DWR 161). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6855 GUL Braga and DW Roberts (DWR 162). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6856 GUL Braga and DW Roberts (DWR 163). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6857 GUL Braga and DW Roberts (DWR 164). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6858 GUL Braga and DW Roberts (DWR 165). 8 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 6859 GUL Braga and DW Roberts (DWR 166). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.
- 7486 [CSIRO FI-0987] IMI (330189). *Ornithacris cavroisi* [Orthoptera: Acrididae]. 29 Aug 1992. Niger. CULTURE EX TYPE used by Driver et al. (2000) to describe *M. anisopliae* var. *acridum*.
- 8609 [CSIRO FI-0897] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
- Metarhizium album*** Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae
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- 1840 MC Rombach. *Nephotettix virescens* [Hemiptera: Cicadellidae]. Acc'd 29 Jan 1985. Philippines: IRRRI, Los Baños, Manila. Genomically verified by at least 5'-TEF sequence data.
- 1941 MC Rombach (MPAL) ← DJ Im. *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. Jul 1985. Philippines: Roxas, Palawan. Genomically verified by at least 5'-TEF sequence data.
- 1942 MC Rombach (MLAG). *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. Nov 1984. Philippines: Laguna. Genomically verified by at least 5'-TEF sequence data.
- 1943 MC Rombach (MLAGwhite). *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. Nov 1984. Philippines: Laguna. Genomically verified by at least 5'-TEF sequence data.
- 2081 MC Rombach ← HC Evans (I85-87) ← MJ Coch. [Hemiptera: Cicadellidae] on mango. Dec 1985. Philippines: Tuguegarao, Cagayan.
- 2082 [IMI 300150] MC Rombach ← HC Evans (I85-12). *Cofana spectra* [Hemiptera: Cicadellidae] on rice. Mar 1985. Indonesia: Kotamobagu, Sulawesi Utara, Celebes. Genomically verified by at least 5'-TEF sequence data.
- 2176 MC Rombach (130586-17). *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte. Genomically verified by at least 5'-TEF sequence data.
- 2178 MC Rombach (130586-19). *Nephotettix virescens* [Hemiptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte. Genomically verified by at least 5'-TEF sequence data.
- 2179 MC Rombach (130586-20). *Recilia dorsalis* [Hemiptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte. Genomically verified by at least 5'-TEF sequence data.
- Metarhizium anisopliae*** (Metschnikoff) Sorokin
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Strains included here have not been reconfirmed geonomically to belong to *Metarhizium anisopliae* in the classification of Bischoff et al. (2009).
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- 9354 [ERL 1053] M Brownbridge (CA-171) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9487 [SRCAMB VL-1757] V Likhovidov. [Diptera]. 27 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-737.
- 9488 [SRCAMB AS-464] V Likhovidov. Isolated from soil sample. 19 May 2004. Ukraine: Askania-Nova Reserve, Kherson Oblast. Field Collection Number F-748.
- 12857 [IP 421] Larva, 28 Jun 2014. RPPN SB, near Ecotourism. **RESTRICTED ACCESS:** *contact Curator*.
- Metarhizium anisopliae* sensu lato** (Metschnikoff)
Sorokin
[Sordariomycetes: Hypocreales]
Clavicipitaceae. These isolates were identified morphologically and have not yet been reidentified under the genomic classification of Bischoff et al. (2009).
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- 435 [CSIRO FI53] SJ Gagen (1). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.
- 438 [CSIRO FI54] SJ Gagen (4). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia.
- 440 SJ Gagen (6). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.
- 441 SJ Gagen (7). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.

- 442 SJ Gagen (8). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Hawkesdale, Victoria.
- 445 SJ Gagen (11). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Carapook, Victoria.
- 457 [QEC 412.0] RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 485 [QEC 413.0] RS Soper (NT-21). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 486 [QEC 414.0] RS Soper (NT-25). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 487 [QEC 415.0] RS Soper (NT-20). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 488 [QEC 416.0] RS Soper (NT-24). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 489 [QEC 417.0] RS Soper (NT-22). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 543 DW Roberts (81280). *Recilia dorsalis* [Hemiptera: Cicadellidae]. 12 Aug 1980. Philippines: greenhouse, IRRRI, Los Baños, Manila.
- 549 [QEC 418.0] DW Roberts. Metabiol. Nov 1980. Brazil.
- 550 [QEC 419.0] DW Roberts. Metabiol. Nov 1980. Brazil.
- 551 [QEC 420.0] DW Roberts. Metabiol. Nov 1980. Brazil.
- 589 [QEC 432.0] JM Lenné (P1). Soil. Rec'd 13 Apr 1981. Colombia: Popayán, Cauca.
- 725 [CNPAF 82-1-6-02; CP 8] RA Daoust. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.
- 728 [CNPAF 82-2-3-02; CP 22] RA Daoust. [Orthoptera]. 3 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 729 [CNPAF 82-2-15-02; CP 24] RA Daoust. *Deois flavopicta* [Hemiptera: Cercopidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 759 [CNPAF 82-4-1-01; CP 37] RA Daoust. *Deois flavopicta* [Hemiptera: Cercopidae]. 1 Apr 1982. Brazil: CNPAF, Goiânia, Goiás.
- 760 [CNPAF 82-2-15-03; CP 31] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 782 [CNPAF 82-5-4-01; CP 52] RA Daoust ← SM dos Santos. *Deois flavopicta* [Hemiptera: Cercopidae]. 4 May 1982. Brazil: CNPAF, Goiânia, Goiás.
- 808 [CNPAF 82-7-23-01; CP 62] RA Daoust ← SM dos Santos. *Coleomegilla maculata* [Coleoptera: Coccinellidae]. 23 Jul 1982. Brazil: CNPAF, Goiânia, Goiás.
- 818 GG Soares (19). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.
- 844 DW Roberts ← B Schaerffenberg (Ma16). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 845 DW Roberts ← B Schaerffenberg (Ma13). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 846 DW Roberts ← B Schaerffenberg (Ma18). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 847 DW Roberts ← B Schaerffenberg (Ma1). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 848 DW Roberts ← B Schaerffenberg (Ma17). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 849 DW Roberts ← B Schaerffenberg (Ma8). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 850 DW Roberts ← B Schaerffenberg (Ma15). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 851 DW Roberts ← B Schaerffenberg (Ma10). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 852 DW Roberts ← B Schaerffenberg (Ma6). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 853 DW Roberts ← B Schaerffenberg (Ma11). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 854 DW Roberts ← B Schaerffenberg (Ma14). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 855 DW Roberts ← B Schaerffenberg (Ma5). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 856 DW Roberts ← B Schaerffenberg (Ma12). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 857 DW Roberts ← B Schaerffenberg (Ma9). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 858 DW Roberts ← B Schaerffenberg (Ma19). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 859 DW Roberts ← B Schaerffenberg (Ma4). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

- 860 DW Roberts ← B Schaerffenberg (Ma7). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 861 DW Roberts ← B Schaerffenberg (Ma20). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 862 DW Roberts ← B Schaerffenberg (Ma2). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 863 DW Roberts ← B Schaerffenberg (Ma3). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.
- 864 DW Roberts (Ma Teetor S2 SS#19) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 865 DW Roberts (Ma Teetor S2 SS#20) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 866 DW Roberts (Ma Teetor S2 SS#22) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 867 DW Roberts (Ma Teetor S2 SS#18) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 868 DW Roberts (Ma Teetor S2 SS#16) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 869 DW Roberts (Ma Teetor S2 SS#17) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 870 DW Roberts (Ma Teetor S2 SS#15) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 871 DW Roberts (Ma Teetor S2 SS#21) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.
- 872 [ARSEF 888 (deaccessioned); QEC 408.0] DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.
- 873 DW Roberts (Ma Teetor S2 SS#4) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.
- 874 DW Roberts (Ma Teetor S2 SS#2) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.
- 875 DW Roberts (Ma Teetor S2 SS#1) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.
- 889 DW Roberts (Ma Teetor S2 SS#9) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 890 DW Roberts (Ma Teetor S2 SS#8) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 891 DW Roberts (Ma Teetor S2 SS#7) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 892 DW Roberts (Ma Teetor S2 SS#6) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 893 DW Roberts (Ma Teetor S2 SS#3) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 894 DW Roberts (Ma Teetor S2 SS#14) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 895 DW Roberts (Ma Teetor S2 SS#13) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 896 DW Roberts (Ma Teetor S2 SS#12) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 897 DW Roberts (Ma Teetor S2 SS#11) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 898 DW Roberts (Ma Teetor S2 SS#10) ← G Teetor-Barsch. Single spore reisolat of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.
- 901 DW Roberts (VSS#6). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 902 DW Roberts (VSS#5). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 903 DW Roberts (VSS#4). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 904 DW Roberts (VSS#3). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 905 DW Roberts (VSS#2). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.

- 906 DW Roberts (VSS#1). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.
- 907 [QEC 421.0] K Al-Aidroos (DIII 3B Bes 48 (recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 25 Jun 1983. Laboratory manipulation.
- 908 K Al-Aidroos (S7N5 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.
- 909 [QEC 408.1] K Al-Aidroos (5.173 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.
- 910 [QEC 423.0] K Al-Aidroos (D95A Bes 140 (recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.
- 911 [QEC 424.0] K Al-Aidroos (19-1a5 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.
- 912 [QEC 425.0] K Al-Aidroos (D198A) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.
- 913 [QEC 426.0] K Al-Aidroos (D95A (diploid, recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.
- 921 [QEC 422.1] K Al-Aidroos (42.2a9 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.
- 922 K Al-Aidroos (5.281 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.
- 925 [ATCC 60335; EPABA E-9(ESMC); QEC 409.0] DW Roberts ← J Ventura. *Deois flavopicta* [Hemiptera: Cercopidae]. 22 Aug 1978. Brazil: Espírito Santo.
- 929 [CNPAF 82-12-15-01; CP 67] RA Daoust ← SM dos Santos. Larva, *Chalcodermus aeneus* [Coleoptera: Curculionidae]. Dec 1982. Brazil: CNPAF, Goiânia, Goiás.
- 932 [CNPAF 82-12-20-02; CP 70] RA Daoust. [Coleoptera: Bruchidae]. 20 Dec 1982. Brazil: CNPAF, Goiânia, Goiás.
- 939 [CNPAF 83-3-3-03; CP 78] RA Daoust ← SM dos Santos. [Coleoptera: Carabidae]. 3 Mar 1983. Brazil: CNPAF, Goiânia, Goiás.
- 954 [CNPAF 83-03-16L; CP 99] RA Daoust and BP Magalhães. [Coleoptera: Bruchidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.
- 955 [CNPAF 83-4-27; CP 100] RA Daoust ← SM dos Santos. *Deois flavopicta* [Hemiptera: Cercopidae]. 27 Apr 1983. Brazil: CNPAF, Goiânia, Goiás.
- 960 K Al-Aidroos (DIII 3B (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 26 Aug 1983. Laboratory manipulation.
- 965 K Al-Aidroos (5.378 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.
- 966 K Al-Aidroos (19.1 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.
- 967 K Al-Aidroos (5.287 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.
- 968 K Al-Aidroos (DIII 3A (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.
- 1022 K Al-Aidroos (5.304 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.
- 1023 K Al-Aidroos (JX1.23C (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.
- 1024 K Al-Aidroos (JX1.23A (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.
- 1025 K Al-Aidroos (42.2 (EMS mutant of 5.42)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.
- 1055 [CNPS 19] F Moscardi. *Nezara viridula* [Hemiptera: Pentatomidae]. 1983. Brazil: Londrina, Paraná.
- 1056 [CNPS 25] F Moscardi. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 1983. Brazil: Londrina, Paraná.
- 1059 [CNPS 39C] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.
- 1083 K Al-Aidroos (5A.11 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1084 K Al-Aidroos (5A.7 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

- 1085 K Al-Aidroos (5A.1 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1086 K Al-Aidroos (5A.10 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1087 K Al-Aidroos (5A (UV irradiated mutant of 5)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1088 K Al-Aidroos (5A.12 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1089 K Al-Aidroos (JXIV.245 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1090 K Al-Aidroos (KIIVA (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1091 K Al-Aidroos (JIIXIV (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1094 DW Roberts ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). [Lepidoptera]. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1097 K Al-Aidroos (JIVD (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.
- 1280 DW Roberts (MaT3JB-C) or (single spore isolate #1). *Popillia japonica* [Coleoptera: Scarabaeidae]. 1978. USA: Clinton Corners, New York.
- 1281 DW Roberts. Chemical mutant of Roberts # F84 ← ARSEF 23. Acc'd 3 May 1984. Laboratory manipulation.
- 1282 K El-kadi (CEPLAC-ICI). [Hemiptera: Cercopidae]. Acc'd 3 May 1984. Brazil: Bahia.
- 1284 [QEC 434.0] DW Roberts (BPH-12). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1285 [QEC 435.0] DW Roberts (BPH-13). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1286 [QEC 436.0] DW Roberts (BPH-4). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1290 [QEC 437.0] DW Roberts (BPH-11). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1299 [ARSEF 1045; EPABA A-24] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. Aug 1978. Brazil: Bahia.
- 1300 [QEC 438.0] DW Roberts (VIII). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.
- 1304 [QEC 439.0] DW Roberts (D). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.
- 1373 S Keller (44). Acc'd 21 Jun 1984. Switzerland.
- 1374 S Keller (45). Acc'd 21 Jun 1984. Switzerland.
- 1375 S Keller (46). Acc'd 21 Jun 1984. Switzerland.
- 1376 S Keller (47). Acc'd 21 Jun 1984. Switzerland.
- 1377 [ARSEF ?396] S Keller (48). *Agriotes sputator* [Coleoptera: Elateridae]. 4 May 1977. Switzerland.
- 1378 Acc'd 26 Jun 1984. Location not specified.
- 1379 [EPABA A-12] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. 22 Aug 1978. Brazil: Bahia.
- 1380 Acc'd 26 Jun 1984. Location not specified.
- 1382 [EPABA A-10] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. 22 Aug 1978. Brazil: Bahia.
- 1386 Acc'd 5 Jul 1984. Location not specified.
- 1387 Acc'd 5 Jul 1984. Location not specified.
- 1388 Acc'd 5 Jul 1984. Location not specified.
- 1432 MC Rombach (B). *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 14 Apr 1984. Philippines: Maasin, Palawan.
- 1449 [CNPAF 84-1-26; CP 123] BP Magalhães. *Deois incompleta* [Hemiptera: Cercopidae]. 26 Jan 1984. Brazil: Altamira, Pará.
- 1490 [INRA Ma-127] GG Soares ← P Ferron ← DW Roberts. Acc'd 21 Aug 1984. Location not specified.
- 1548 MC Rombach (Ma Pal.I). Adult, *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. May 1984. Philippines: nr. PNAC Station, Arbor Lan, Palawan.
- 1745 DW Roberts (291016) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1882 [CP 171] DW Roberts ← C Czepak. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 3 Jan 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1885 [CP 174] DW Roberts ← SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 23 Apr 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1890 DW Roberts ← RA Daoust (ZcG3). [Hemiptera: Cercopidae]. Jan 1980. Brazil: Pará.
- 1891 DW Roberts ← MA Naves (460(88)). [Hemiptera: Cercopidae]. Jan 1980. Brazil: Pará.

- 1892 DW Roberts ← RA Daoust (Eq-ESMC-CsI). *Deois flavopicta* [Homoptera: Cercopidae] isolate (Daoust # E-9) passed through *Culex quinquefasciatus* [Diptera: Culicidae]. Acc'd 6 Jun 1985. Laboratory manipulation.
- 1895 DW Roberts ← RA Daoust (ZcG1). [Hemiptera: Cercopidae]. Jan 1980. Brazil: Pará.
- 1896 [EPABA A-8(BAMC)] DW Roberts ← E Matta. *Mahanarva posticata* [Hemiptera: Cercopidae]. Rec'd Aug 1978. Brazil: Salvador, Bahia.
- 1899 [EPABA A-23] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. Rec'd Aug 1978. Brazil.
- 1901 DW Roberts ← MA Naves (CG-6). [Coleoptera: Carabidae]. Jan 1980. Brazil: Pará.
- 1902 DW Roberts ← RA Daoust (ZcG4). [Hemiptera: Cercopidae]. Jan 1980. Brazil.
- 1903 DW Roberts (103a). *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 11 Jun 1985. USA.
- 1911 [EPABA A-2] DW Roberts ← E Matta. [Hemiptera: Cercopidae]. Rec'd Aug 1978. Brazil.
- 1958 [CNPAF 85-7-24-1; CP 184] JC Lord and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.
- 1970 [CNPAF 82-12-01; CP 170] C Czepak. *Deois flavopicta* [Hemiptera: Cercopidae]. 1 Dec 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1989 [ARSEF 1452 (deaccessioned); CNPAF 53; CP 126] F Moscardi. *Sternechus subsignatus* [Coleoptera: Curculionidae]. 27 Mar 1984. Brazil: Soybean Center, Londrina, Paraná.
- 2076 [CP 194] JC Lord and BP Magalhães. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 1985. Brazil: CNPAF, Goiânia, Goiás.
- 2077 [CP 195] JC Lord and BP Magalhães. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 1985. Brazil: CNPAF, Goiânia, Goiás.
- 2105 DG Holdom (130286-3). ?*Hydrellia* sp. [Diptera: Ephydriidae]. 13 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2135 T Searle (F). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.
- 2136 T Searle (K). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada.
- 2137 T Searle (Q). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.
- 2138 T Searle (W). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.
- 2139 T Searle (Z). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Aug 1985. Canada: Southern Québec.
- 2156 BN Muthappa (PNG 12711). Adult, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2163 BN Muthappa (PNG 12722). Larva, [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2165 BN Muthappa (PNG 12724). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2166 BN Muthappa (PNG 12726). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2167 BN Muthappa (PNG 12727). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2211 [CNPAF 86-06-02-3; CP 207] DW Roberts ← JFS Martins. Soil. 2 Jun 1986. Brazil: Campinas, São Paulo.
- 2212 [CNPAF 86-06-05-9; CP 208] DW Roberts ← PMOJ Neves. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2213 [CNPAF 86-06-05-8; CP 209] DW Roberts ← O Sales. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2214 [CNPAF 86-06-05-7; CP 210] DW Roberts ← JFS Martins. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2230 MC Rombach (220786-1). 22 Jul 1986. Location not specified.
- 2341 [ARSEF 2381 (never frozen), 2383 (never frozen)] MC Rombach (120286-2). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.
- 2342 [ARSEF 2384 (never frozen)] MC Rombach (120286-3). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.
- 2343 [ARSEF 2385 (never frozen)] MC Rombach (120286-4). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.
- 2424 DG Holdom (080287-1). Larva, [Lepidoptera]. 8 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2510 [CP 218] SM dos Santos. *Atta* sp. [Hymenoptera: Formicidae]. 29 Apr 1987. Brazil: CNPAF, Goiânia, Goiás.
- 2513 [CP 236A] SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Oct 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2521 [CP 225] F Moscardi. *Deois* sp. [Hemiptera: Cercopidae]. 1983. Brazil: CNPS, Londrina, Paraná.
- 2548 SV Krueger ← FL Consolie and MG Villani. *Popillia japonica* [Coleoptera: Scarabaeidae]. Oct 1987. USA: Sleepy Hollow, New York.
- 2574 Acc'd 11 Jul 1988. Location not specified.
- 2628 [CNPAF PI-88; CP 243] DW Roberts ← Planalsucar. 23 May 1988. Brazil: Carpina, Pernambuco.

- 2634 [CNPAF D4; CP 251] DW Roberts ← Dep. Genetica da ESALQ. Mutant of E9 ESMC parent. Rec'd 23 Nov 1988. Brazil: Piracicaba, São Paulo.
- 2635 [CNPAF 88-5-6B; CP 253] DW Roberts ← E Dias Quintela. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 6 May 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2805 GW Riethmacher (B13m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 11 Apr 1989. Philippines: Atok, Benguet.
- 2806 GW Riethmacher (B14m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 4 May 1989. Philippines: Atok, Benguet.
- 2941 [CP 272] SP Wraight ← DR Sosa-Gómez. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 2949 [CP 277] SP Wraight ← CA da Silva, EC de Moura, GS de Sá and SM dos Santos. [Isoptera]. 19 Jan 1989. Brazil: CNPAF, Goiânia, Goiás.
- 2951 [CP 285] SP Wraight ← C Czepak. [Isoptera]. 9 Nov 1989. Brazil: CNPAF, Goiânia, Goiás.
- 3057 [MAF F12] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3127 [IMI 168777ii] C Prior ← M Tulloch. *Schistocerca gregaria* [Orthoptera: Acrididae]. 1974. Laboratory manipulation.
- 3146 INRA (Ma-70). *Anagyrus* sp. [Hymenoptera: Encyrtidae]. Aug 1972. Mexico.
- 3147 INRA (Ma-152) ← G Riba. [Hemiptera: Cercopidae]. Dec 1981. Brazil.
- 3148 INRA (Ma-181) ← A Caudal. *Haphochelus marginalis* [Coleoptera]. May 1983. France: Réunion.
- 3190 GW Riethmacher (B44a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 17 May 1990. Philippines: La Trinidad, Benguet.
- 3194 GW Riethmacher (B47a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Jun 1990. Philippines: Villiasis, Pangasinan.
- 3196 GW Riethmacher (B48). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 13 Jun 1990. Philippines: Baguin City, Benguet.
- 3290 J Gutierrez Samperio (6) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1988. Mexico: Colima.
- 3291 J Gutierrez Samperio (7) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.
- 3292 J Gutierrez Samperio (8) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.
- 3293 J Gutierrez Samperio (9) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3305 J Gutierrez Samperio (21) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3306 J Gutierrez Samperio (22) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3307 J Gutierrez Samperio (23) ← ERD Reyes. [Hemiptera: Cercopidae] on sugar cane. 1990. Mexico: Colima.
- 3308 J Gutierrez Samperio (24) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3329 DW Roberts ← AS Martins (A-1). 3rd instar larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Spring 1988. Portugal: Terceira Island, Azores.
- 3330 SV Krueger (MaJB1). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3331 SV Krueger (MaJB2). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3332 SV Krueger (MaJB3). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3333 SV Krueger (MaJB6). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3334 SV Krueger (MaJB7). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3335 SV Krueger (MaJB8). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3336 SV Krueger (MaJB9). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3337 SV Krueger (MaJB10). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3338 SV Krueger (MaJB11). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3339 SV Krueger (MaJB12). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3340 SV Krueger (MaJB13). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3389 I Majchrowicz (T-11-4). *Tribolium castaneum* [Coleoptera: Tenebrionidae] on apple. 16 Jul 1991. USA: Seto Farm, Granger, Washington.
- 3479 CENARGEN (CG 339). [Coleoptera: Scarabaeidae]. 1991. Brazil: Brasília, Distrito Federal.
- 3541 M Brownbridge (B-5). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 27 Nov 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.
- 3542 M Brownbridge (B-18). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 27 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3544 M Brownbridge (B-35). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

- 3565 M Brownbridge (B-36). Rec'd 10 Jan 1992. Location not specified.
- 3619 IMI (I91-676). *Oxya multidentata* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Pakistan.
- 3713 RA LeBrun ← J Hanula (C-5). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 3 Jun 1991. USA: Clinton, Connecticut.
- 3720 RA LeBrun ← J Hanula. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 20 May 1991. USA: Windsor, Connecticut.
- 3822 [ARSEF 2153] N Underwood (ARSEF2153). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 8 Jan 1993. Laboratory manipulation.
- 3827 CF Andrade (IF#1). Larva, *Ochlerotatus triseriatus* [Diptera: Culicidae]. 11 May 1992. USA: Stair Park, Vestal, NY.
- 3918 DR Sosa-Gómez (CNPSo-MA2). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.
- 3919 DR Sosa-Gómez (CNPSo-Ma3). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.
- 3920 DR Sosa-Gómez (CNPSo-Ma4). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.
- 3930 DR Sosa-Gómez (CNPSo-Bb49). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 4095 LA Lacey (94005). [Hemiptera: Cicadidae]. Rec'd 28 Mar 1994. Brazil.
- 4132 [DAT 11] AC Rath (F011). Larva, *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Eyre Pennisular, South Australia.
- 4133 [DAT 12] AC Rath (F012). Larva, *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Aldgate, South Australia.
- 4134 [DAT 14] AC Rath (F014). Larva, *Sericethis* sp. [Coleoptera: Scarabaeidae]. 8 May 1986. Australia: Laboratory, Newtown, Tasmania.
- 4137 [DAT 19] AC Rath (F019). Larva, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1986. Australia: Laboratory, Newtown, Tasmania.
- 4138 [DAT 20] AC Rath (F020). Larva, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1 Dec 1986. Australia: NW Coast, Tasmania.
- 4139 [DAT 24] AC Rath (F024). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1 Dec 1986. Australia: South Australia.
- 4141 [DAT 29] AC Rath (F029). *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1987. Australia: Woodbury, Tasmania.
- 4142 [DAT 36] AC Rath (F036). *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1987. Laboratory.
- 4151 [DAT 146; H Yip HY215] AC Rath (F146). Soil. 26 Oct 1988. Australia: Mt Morriston, Ross, Tasmania.
- 4155 [DAT 153] AC Rath (F153) ← H Yip (HY208). Soil. 26 Oct 1988. Australia: Westbury, Tasmania.
- 4156 [DAT 156] AC Rath (F156) ← H Yip (HY205). Soil. 26 Oct 1988. Australia: Westbury, Tasmania.
- 4157 [DAT 163] AC Rath (F163) ← H Yip (HY198). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.
- 4159 [DAT 169] AC Rath (F169) ← H Yip (HY192). Soil. 13 Oct 1988. Australia: Melton Mowbray, Tasmania.
- 4160 [DAT 170] AC Rath (F170) ← H Yip (HY191). Soil. 13 Oct 1988. Australia: Colebrook, Tasmania.
- 4161 [DAT 171] AC Rath (F171) ← H Yip (HY190). Soil. 13 Oct 1988. Australia: Conmurra, Tasmania.
- 4162 [DAT 188] AC Rath (F188) ← H Yip (HY173). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.
- 4163 [DAT 190] AC Rath (F190) ← H Yip (HY171). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4166 [DAT 194] AC Rath (F194) ← H Yip (HY167). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4167 [DAT 195] AC Rath (F195) ← H Yip (HY166). Soil. 20 Sep 1988. Australia: Exeter, Tasmania.
- 4169 [DAT 197] AC Rath (F197) ← H Yip (HY164). Soil. 20 Sep 1994. Australia: Frankford, Tasmania.
- 4170 [DAT 198] AC Rath (F198) ← H Yip (HY163). Soil. 20 Sep 1994. Australia: Exeter, Tasmania.
- 4171 [DAT 200] AC Rath (F200) ← H Yip (HY161). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4172 [DAT 201] AC Rath (F201) ← H Yip (HY160). Soil. 9 Sep 1988. Australia: Beaconsfield, Tasmania.
- 4173 [DAT 202] AC Rath (F202) ← H Yip (HY159). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4174 [DAT 203] AC Rath (F203) ← H Yip (HY158). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4175 [DAT 204] AC Rath (F204) ← H Yip (HY156). Soil. 9 Sep 1988. Australia: Bridport, Tasmania.
- 4177 [DAT 206] AC Rath (F206) ← H Yip (HY155). Soil. 9 Sep 1988. Australia: Effingham, Beechford, Tasmania.
- 4178 [DAT 207] AC Rath (F207) ← H Yip (HY154). Soil. 9 Sep 1988. Australia: Effingham, Beechford, Tasmania.
- 4180 [DAT 209] AC Rath (F209) ← H Yip (HY152). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.
- 4181 [DAT 215] AC Rath (F215) ← H Yip (HY146). Soil. 23 Aug 1988. Australia: Stanley, Tasmania.
- 4183 [DAT 227] AC Rath (F227) ← H Yip (HY134). Soil. 23 Aug 1988. Australia: Leighlands, Perth, Tasmania.
- 4184 [DAT 228] AC Rath (F228) ← H Yip (HY133). Soil. 23 Aug 1988. Australia: Leighlands, Perth, Tasmania.
- 4185 [DAT 245] AC Rath (F245) ← H Yip (HY116). Soil. 8 Jul 1988. Australia: Ulverstone, Tasmania.
- 4186 [DAT 246] AC Rath (F246) ← H Yip (HY115). Soil. 8 Jul 1988. Australia: Forth, Tasmania.
- 4187 [DAT 248] AC Rath (F248) ← H Yip (HY113). Soil. 8 Jul 1988. Australia: Forcett, Tasmania.

- 4188 [DAT 249] AC Rath (F249) ← H Yip (HY112). Soil. 8 Jul 1988. Australia: Forcett, Tasmania.
- 4189 [DAT 252] AC Rath (F252) ← H Yip (HY108). Soil. Rec'd 9 May 1994. Australia: Forcett, Tasmania.
- 4190 [DAT 253] AC Rath (F253) ← H Yip (HY207). Soil. 8 Jun 1988. Australia: Copping, Tasmania.
- 4191 [DAT 254] AC Rath (F254) ← H Yip (HY106). Soil. 8 Jun 1988. Australia: Copping, Tasmania.
- 4192 [DAT 331] AC Rath (F331) ← H Yip (HY027). Soil. 6 Jan 1988. Australia: Launceston, Tasmania.
- 4220 [DAT 177] AC Rath (F177) ← H Yip (HY184). Soil. 5 Oct 1988. Australia: Snug, Tasmania.
- 4224 [DAT 180] AC Rath (F180) ← H Yip (HY181). Soil. 26 Sep 1988. Australia: Branxholm, Tasmania.
- 4225 [DAT 185] AC Rath (F185) ← H Yip (HY176). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.
- 4226 [DAT 221] AC Rath (F221) ← H Yip (HY140). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4229 [DAT 179] AC Rath (F179) ← H Yip (HY182). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.
- 4230 [DAT 212] AC Rath (F212) ← H Yip (HY149). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.
- 4232 [DAT 106] AC Rath (F106). Soil. 14 Jan 1988. Australia: Lockfaine, Benham Estate, Avoca, Tasmania.
- 4234 [DAT 119] AC Rath (F119). Larva, *Oncopera intrucata* [Lepidoptera: Hepialidae]. 2 Jan 1988. Australia: Richmond, Tasmania.
- 4235 [DAT 214] AC Rath (F214) ← H Yip (HY147). Soil. 23 Aug 1988. Australia: Edith Creek, Tasmania.
- 4236 [DAT 13] AC Rath (F013). Larva, *Sericethis* sp. [Coleoptera: Scarabaeidae]. 5 Aug 1986. Australia: Laboratory, Newtown, Tasmania.
- 4239 [DAT 34] AC Rath (F034). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1987. Laboratory.
- 4242 [DAT 45] AC Rath (F045) ← R.J. Milner (F1121). Host not specified. 20 Oct 1987. Australia: New South Wales.
- 4244 [DAT 187] AC Rath (F187) ← H Yip (HY174). Soil. 26 Sep 1988. Australia: Branxholm, Tasmania.
- 4246 [DAT 114] AC Rath (F114). Soil. 14 Jan 1988. Australia: Avoca, Tasmania.
- 4247 [DAT 182] AC Rath (F182) ← H Yip (HY179). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.
- 4248 [DAT 183] AC Rath (F183) ← H Yip (HY178). Soil. 26 Sep 1988. Australia: St Helens, Tasmania.
- 4249 [DAT 77] AC Rath (F077) ← H Yip. Soil. 1 Dec 1987. Australia: Lavender Rarm Rd., Bridport, Tasmania.
- 4250 [DAT 217] AC Rath (F217) ← H Yip (HY144). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.
- 4252 [DAT 111] AC Rath (F111). Soil. 13 Feb 1988. Australia: Lockfaine, Benham Estate, Avoca, Tasmania.
- 4253 [DAT 73] AC Rath (F073). Soil. 4 Jan 1988. Australia: Fairfield, Epping Forest, Tasmania.
- 4255 [DAT 107] AC Rath (F107) ← Pearn. Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4256 [DAT 103] AC Rath (F103) ← Pearn. Soil. 14 Jan 1988. Australia: Lockfaine, Benham Estate, Avoca, Tasmania.
- 4257 [DAT 113] AC Rath (F113). Soil. 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4259 [DAT 178] AC Rath (F178) ← H Yip (HY183). Soil. 26 Sep 1988. Australia: Welborough, Tasmania.
- 4262 [DAT 236] AC Rath (F236) ← H Yip (HY125). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.
- 4264 [DAT 337] AC Rath (F337) ← H Yip (HY22). Soil. 6 Jan 1988. Australia: The Braes, Woodbury, Tasmania.
- 4265 [DAT 216] AC Rath (F216) ← H Yip (HY145). Soil. 23 Aug 1988. Australia: Irishtown, Tasmania.
- 4266 [DAT 100] AC Rath (F100) ← Pearn. Soil. 13 Jan 1988. Australia: Avoca, Tasmania.
- 4267 [DAT 244] AC Rath (F244) ← H Yip (HY117). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.
- 4268 [DAT 96] AC Rath (F096). Soil. 7 Jan 1988. Australia: Mt. Wellington, Hobart, Tasmania.
- 4269 [DAT 174] AC Rath (F174) ← H Yip (HY187). Soil. 5 Oct 1988. Australia: Snug, Tasmania.
- 4270 [DAT 172] AC Rath (F172) ← H Yip (HY189). Soil. 13 Oct 1988. Australia: Colebrook, Tasmania.
- 4275 [DAT 230] AC Rath (F230) ← H Yip (HY131). Soil. 18 Jul 1988. Australia: Elverton, Blessington, Tasmania.
- 4278 [DAT 94] AC Rath (F094). Soil. 20 Jan 1988. Australia: Fairfield, Epping Forest, Tasmania.
- 4279 [DAT 218] AC Rath (G218) ← H Yip (HY143). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.
- 4280 [DAT 154] AC Rath (F154) ← H Yip (HY207). Soil. 26 Oct 1988. Australia: Tasmania.
- 4281 [DAT 155] AC Rath (F155) ← H Yip (HY206). Soil. 26 Oct 1988. Australia: Cressy, Tasmania.
- 4282 [DAT 229] AC Rath (F229) ← H Yip (HY132). Soil. 18 Jul 1988. Australia: Leighlands, Perth, Tasmania.
- 4283 [DAT 89] AC Rath (F089). Soil. 5 Dec 1987. Australia: Fairfield, Epping Forest, Tasmania.
- 4284 [DAT 306] AC Rath (F306) ← H Yip (HY53). Soil. 19 Feb 1988. Australia: Benham, Avoca, Tasmania.
- 4286 [DAT 167] AC Rath (F167) ← H Yip (HY194). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.
- 4287 [DAT 186] AC Rath (F186) ← H Yip (HY175). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.
- 4288 [DAT 275] AC Rath (F275) ← H Yip (HY85). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4291 [DAT 386] AC Rath (F386) ← H Yip (HY246). Soil. Rec'd 6 Jun 1994. Australia: Epping Forest, Tasmania.

- 4292 [DAT 379] AC Rath (F379) ← H Yip (HY239). Soil. Rec'd 6 Jun 1994. Australia: Smithton, Tasmania.
- 4293 [DAT 326] AC Rath (F326) ← H Yip (HY33). Soil. Rec'd 6 Jun 1994. Australia: Epping Forest, Tasmania.
- 4295 [DAT 448] AC Rath (F448) ← H Yip (HY280). Soil. Rec'd 6 Jun 1994. Australia: Bruny Island, Tasmania.
- 4296 [DAT 165] AC Rath (F165) ← H Yip (HY196). Soil. Rec'd 6 Jun 1994. Australia: Dover, Tasmania.
- 4298 [DAT 160] AC Rath (F160) ← H Yip (HY201). Soil. Rec'd 6 Jun 1994. Australia: Bracknell, Tasmania.
- 4299 [DAT 97] AC Rath (F097). Soil. Rec'd 6 Jun 1994. Australia: Benham Estate, Benham, Avoca.
- 4306 [DAT 274] AC Rath (F274) ← H Yip (HY86). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4307 [DAT 293] AC Rath (F293) ← H Yip (HY67). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4308 [DAT 321] AC Rath (F321) ← H Yip (HY38). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4309 [DAT 364] AC Rath (F364) ← H Yip (HY217). Soil. Rec'd 6 Jun 1994. Australia: Buckland, Tasmania.
- 4310 [DAT 320] AC Rath (F320) ← H Yip (HY39). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4311 [DAT 325] AC Rath (F325) ← H Yip (HY34). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4312 [DAT 322] AC Rath (F322) ← H Yip (HY37). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4313 [DAT 315] AC Rath (F315) ← H Yip (HY44). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4314 [DAT 324] AC Rath (F324) ← H Yip (HY35). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4315 [DAT 314] AC Rath (F314) ← H Yip (HY45). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4316 [DAT 319] AC Rath (F319) ← H Yip (HY40). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4317 [DAT 317] AC Rath (F317) ← H Yip (HY42). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4318 [DAT 318] AC Rath (F318) ← H Yip (HY41). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4319 [DAT 316] AC Rath (F316) ← H Yip (HY43). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4322 [DAT 397] AC Rath (F397) ← H Yip (HY257). Soil. Rec'd 6 Jun 1994. Australia: Colebrook, Tasmania.
- 4323 [DAT 285] AC Rath (F285) ← H Yip (HY75). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Tasmania.
- 4324 [DAT 282] AC Rath (F282) ← H Yip (HY78). Soil. Rec'd 6 Jun 1994. Australia: View Point, Campbelltown, Tasmania.
- 4325 [DAT 279] AC Rath (F279) ← H Yip (HY81). Soil. Rec'd 6 Jun 1994. Australia: View Point, Campbelltown, Tasmania.
- 4327 [DAT 291] AC Rath (F291) ← H Yip (HY69). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4328 [DAT 273] AC Rath (F273) ← H Yip (HY87). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4329 [DAT 287] AC Rath (F287) ← H Yip (HY73). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4330 [DAT 283] AC Rath (F283) ← H Yip (HY77). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4331 [DAT 286] AC Rath (F286) ← H Yip (HY74). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Interlaken, Tasmania.
- 4332 [DAT 289] AC Rath (F289) ← H Yip (HY71). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4333 [DAT 483] AC Rath (F483) ← W Theunis (SOL IS 6). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4334 [DAT 492] AC Rath (F492) ← W Theunis (SOL IS 16). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4335 [DAT 484] AC Rath (F484) ← W Theunis (SOL IS 7). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4336 [DAT 488] AC Rath (F488) ← W Theunis (SOL IS 12). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4337 [DAT 490] AC Rath (F490) ← W Theunis (SOL IS 14). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4338 [DAT 486] AC Rath (F486) ← W Theunis (SOL IS 11). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4339 [DAT 485] AC Rath (F485) ← W Theunis (SOL IS 10). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4341 [DAT 487] AC Rath (F487) ← W Theunis (SOL IS 12). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4343 [DAT 496] AC Rath (F496). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.

- 4344 [DAT 497] AC Rath (F497). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4345 [DAT 498] AC Rath (F498). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4346 [DAT 33] AC Rath (F033). *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. Rec'd 6 Jun 1994. Australia: Woodbury, Tasmania.
- 4347 [DAT 323] AC Rath (F323) ← H Yip (HY36). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4348 [DAT 284] AC Rath (F284) ← H Yip (HY76). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.
- 4349 [DAT 290] AC Rath (F290) ← H Yip (HY70). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Interlaken, Tasmania.
- 4350 [DAT 382] AC Rath (F382) ← H Yip (HY242). Soil. Rec'd 6 Jun 1994. Australia: Evandale, Tasmania.
- 4351 [DAT 383] AC Rath (F383) ← H Yip (HY241). Soil. Rec'd 6 Jun 1994. Australia: Campbelltown, Tasmania.
- 4352 [DAT 384] AC Rath (F384) ← H Yip (HY244). Soil. Rec'd 6 Jun 1994. Australia: Beaconsfield, Tasmania.
- 4354 [DAT 365] AC Rath (F365) ← H Yip (HY216). Soil. Rec'd 6 Jun 1994. Australia: Mt. Morriston, Ross, Tasmania.
- 4355 [DAT 157] AC Rath (F157) ← H Yip (HY204). Soil. Rec'd 6 Jun 1994. Australia: Westbury, Tasmania.
- 4357 [DAT 446] AC Rath (F446) ← H Yip (HY278). Soil. Rec'd 6 Jun 1994. Australia: Bothwell, Tasmania.
- 4522 JD Vandenberg (DBM11C). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4558 Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 4560 [DAT 408] AC Rath (F408) ← H Yip (HY268). Host not specified. 23 Nov 1988. Australia: Spreyton, Tasmania.
- 4562 Soil. 10 Jan 1989. Australia: Bruny Island, Tasmania.
- 4563 [DAT 373] AC Rath (F373) ← H Yip (HY233). Soil. 30 Sep 1988. Australia: Deddington, Tasmania.
- 4565 [DAT 263] AC Rath (F263) ← H Yip (HY97). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4567 [DAT 122] AC Rath (F122). Soil. 1 Mar 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4568 [DAT 510] AC Rath (F510). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 11 Feb 1994. Australia: New South Wales.
- 4569 [DAT 495] AC Rath (F495). Soil. 22 Jun 1993. Australia: Macquarie Island.
- 4570 [DAT 494] AC Rath (F494). Soil. 22 Jun 1993. Australia: Macquarie Island.
- 4572 [DAT 479] AC Rath (F479) ← W Theunis (SOL IS 2). 3rd instar larva, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 4573 [DAT 361] AC Rath (F361) ← H Yip (HY220). Soil. 6 Oct 1988. Australia: Cethana, Tasmania.
- 4574 [DAT 516] AC Rath (F516). 3rd instar larva, *Anoplognathus hirsutus* [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New England, New South Wales.
- 4576 [DAT 399] AC Rath (F399) ← H Yip (HY259). Soil. 28 Sep 1988. Australia: Cressy, Tasmania.
- 4577 [DAT 415] AC Rath (F415) ← H Yip (HY275). Soil. 3 Nov 1988. Australia: Whiteford, Tasmania.
- 4578 [DAT 257] AC Rath (F257) ← H Yip (HY224). Soil. 1 Dec 1988. Australia: Bruny Island, Tasmania.
- 4579 [DAT 101] AC Rath (F101). Soil. 13 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4581 [DAT 235] AC Rath (F235) ← H Yip (HY126). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4582 [DAT 478] AC Rath (F478) ← W Theunis (SOL IS1). 3rd instar larva, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 4584 [DAT 391] AC Rath (F391) ← H Yip (HY251). Soil. 22 Jun 1988. Australia: Beaconsfield, Tasmania.
- 4585 [DAT 398] AC Rath (F398) ← H Yip (HY258). Soil. 19 Sep 1988. Australia: Snug, Tasmania.
- 4586 [DAT 311] AC Rath (F311) and H Yip (HY48). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania.
- 4590 [DAT 414] AC Rath (F414) ← H Yip (HY274). Soil. 11 Mar 1988. Australia: Whiteford, Tasmania.
- 4591 [DAT 300] AC Rath (F300) ← H Yip (HY59). Soil. 29 Feb 1988. Australia: Jericho, Tasmania.
- 4592 [DAT 35] AC Rath (F035). Soil. 1987. Australia: Woodbury, Tasmania.
- 4593 [DAT 265] AC Rath (F265) ← H Yip (HY95). Soil. 6 Mar 1988. Australia: Leighlands, Perth, Tasmania.
- 4594 [DAT 338] AC Rath (F338) ← H Yip (HY21). Soil. Spring 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4595 [DAT 296] AC Rath (F296) ← H Yip (HY63). Soil. 22 Mar 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4596 [DAT 380] AC Rath (F380) ← H Yip (HY240). Soil. 16 Jun 1988. Australia: Smithton, Tasmania.
- 4599 [DAT 231] AC Rath (F231) ← H Yip (HY130). Soil. 18 Jul 1988. Australia: Leighlands, Perth, Tasmania.
- 4600 [DAT 470] AC Rath (F470). Larva, *Boreoides tasmaniensis* [Diptera: Stratiomyidae]. 13 Oct 1991. Australia: Huonville, Tasmania.
- 4602 [DAT 239] AC Rath (F239) ← H Yip (HY122). Soil. 8 Jul 1988. Australia: Preston, Tasmania.
- 4603 [DAT 359] AC Rath (F359) ← H Yip (HY222). Soil. 26 Oct 1988. Australia: Ormley, Tasmania.
- 4606 [DAT 339] AC Rath (F339) ← H Yip (HY20). Soil. 5 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.

- 4608 [DAT 117] AC Rath (F117). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4609 [DAT 271] AC Rath (F271) ← H Yip (HY89). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4613 [DAT 371] AC Rath (F371) ← H Yip (HY231). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.
- 4614 [DAT 79] AC Rath (F079). Soil. 24 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4617 [DAT 292] AC Rath (F292) ← H Yip (HY68). Soil. 22 Mar 1988. Australia: York Plains, Tasmania.
- 4618 [DAT 402] AC Rath (F402) ← H Yip (HY262). Soil. 28 Sep 1988. Australia: Ross, Tasmania.
- 4619 [DAT 255] AC Rath (F255) ← H Yip (HY105). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.
- 4620 [DAT 469] AC Rath (F469). Larva, *Boreoides tasmaniensis* [Diptera: Stratiomyidae]. 31 Oct 1991. Australia: Franklin, Tasmania.
- 4623 [DAT 71] AC Rath (F071). Soil. 23 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4624 [DAT 260] AC Rath (F260) ← H Yip (HY100). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4625 [DAT 93] AC Rath (F093). Soil. 20 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4626 [DAT 394] AC Rath (F394) ← H Yip (HY254). Soil. 22 Jun 1988. Australia: Bridport, Tasmania. Very small spores, looking much like *M. flavoviride*.
- 4627 [DAT 110] AC Rath (F110). Soil. 14 Jan 1988. Australia: Glengor Benham, Avoca, Tasmania.
- 4629 [DAT 164] AC Rath (F164) ← H Yip (HY197). Soil. 13 Oct 1988. Australia: Cambridge, Tasmania.
- 4630 [DAT 474] AC Rath (F474) ← W Theunis (PNG 2A). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea: Lae, Morobe Province.
- 4631 [DAT 301] AC Rath (F301) ← H Yip (HY58). *Papuana* or cicada. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.
- 4632 [DAT 313] AC Rath (F313) ← H Yip (HY46). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania.
- 4633 [DAT 269] AC Rath (F269) ← H Yip (HY91). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4634 [DAT 340] AC Rath (F340) ← H Yip (HY19). Soil. 4 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4635 [DAT 233] AC Rath (F233) ← H Yip (HY128). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4636 [DAT 158] AC Rath (F258) ← H Yip (HY203). Soil. 26 Oct 1988. Australia: Railton, Tasmania.
- 4637 [DAT 262] AC Rath (F262) ← H Yip (HY95). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4638 [DAT 295] AC Rath (F29d) ← H Yip (HY65). Soil. 2 Mar 1988. Australia: Interlaken, Interlaken, Tasmania. With short, nearly ovoid, conidia.
- 4639 [DAT 272] AC Rath (F272) ← H Yip (HY88). Soil. 25 May 1988. Australia: Connerville, Poatina, Tasmania.
- 4640 [DAT 392] AC Rath (F392) ← H Yip (HY252). Soil. 16 Jun 1988. Australia: Edith Creek, Tasmania.
- 4641 [DAT 303] AC Rath (F303) ← H Yip (HY56). Soil. 29 Feb 1988. Australia: Avoca, Tasmania.
- 4643 [DAT 222] AC Rath (F222) ← H Yip (HY139). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4645 [DAT 341] AC Rath (F341) ← H Yip (HY18). Soil. 2 Jan 1988. Australia: Lavender Farm, Lilydale, Tasmania.
- 4646 [DAT 108] AC Rath (F108). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4647 [DAT 270] AC Rath (F270) ← H Yip (HY90). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4648 [DAT 450] AC Rath (F450) ← H Yip (HY282). Soil. 10 Jan 1989. Australia: Waddamana, Tasmania.
- 4649 [DAT 80] AC Rath (F080). Soil. 24 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4650 [DAT 264] AC Rath (F264) ← H Yip (HY96). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4651 [DAT 240] AC Rath (F240) ← H Yip (HY121). Soil. 8 Jul 1988. Australia: Carrick, Tasmania.
- 4652 [DAT 458] AC Rath (F458). Host not specified. Rec'd 1 Sep 1994. Australia: Tasmania.
- 4653 [DAT 116] AC Rath (F116). Soil. Rec'd 1 Sep 1994. Australia: Benham Estate, Avoca, Tasmania.
- 4654 [DAT 403] AC Rath (F103) ← H Yip (HY263). Soil. 29 Sep 1988. Australia: Avoca, Tasmania.
- 4655 [DAT 356] AC Rath (F356) ← H Yip (HY225). Soil. 12 Jan 1988. Australia: Bruny Island, Tasmania.
- 4657 [DAT 266] AC Rath (F266) ← H Yip (HY94). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4663 [DAT 396] AC Rath (F396) ← H Yip (HY256). Soil. 22 Jun 1988. Australia: Tonganah, Tasmania.
- 4664 [DAT 389] AC Rath (F389) ← H Yip (HY249). Soil. 16 Jun 1988. Australia: Wynyard, Tasmania.
- 4665 [DAT 242] AC Rath (F242) ← H Yip (HY119). Soil. 8 Jul 1988. Australia: Latrobe, Tasmania.
- 4668 [DAT 378] AC Rath (F378) ← H Yip (HY238). Soil. 22 Jun 1988. Australia: Bridport, Tasmania.
- 4669 [DAT 372] AC Rath (F372) ← H Yip (HY232). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.
- 4671 [DAT 447] AC Rath (F447) ← H Yip (HY279). Soil. 10 Jan 1989. Australia: Bothwell, Tasmania.
- 4673 [DAT 401] AC Rath (F401) ← H Yip (HY261). Soil. 28 Sep 1988. Australia: Cressy, Tasmania.
- 4676 [DAT 390] AC Rath (F390) ← H Yip (HY250). Soil. 23 Jun 1988. Australia: St Helens, Tasmania.
- 4677 [DAT 433] AC Rath (F433). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Summer 1990. Australia: Dairy Research Unit, Elliott, Tasmania.

- 4678 [DAT 98] AC Rath (F098). Soil. 6 Jan 1988. Australia: The Braes, Woodbury, Tasmania.
- 4682 [DAT 411] AC Rath (F411) ← H Yip (HY271). Soil. 3 Nov 1988. Australia: Whitefoord, Tasmania.
- 4683 [DAT 237] AC Rath (F237) ← H Yip (HY124). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.
- 4684 [DAT 258] AC Rath (F258) ← H Yip (HY102). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.
- 4687 [DAT 395] AC Rath (F395) ← H Yip (HY255). Soil. 17 Jun 1988. Australia: Burnie, Tasmania.
- 4716 [DAT 28] AC Rath (F028). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1987. Australia: Woodbury, Tasmania.
- 4717 [DAT 74] AC Rath (F074). Soil. 23 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4718 [DAT 123] AC Rath (F123). Soil. 1 Mar 1988. Australia: Glen Morey, Woodbury, Tasmania.
- 4722 [DAT 141] AC Rath (F141). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Spring 1989. Australia: Wilmot, Tasmania.
- 4723 [DAT 159] AC Rath (F159) ← H Yip (HY202). Soil. 26 Oct 1988. Australia: Bracknell, Tasmania.
- 4724 [DAT 161] AC Rath (F161) ← H Yip (HY200). Soil. 26 Oct 1988. Australia: Campbelltown, Tasmania.
- 4725 [DAT 162] AC Rath (F162) ← H Yip (HY162). Soil. 13 Oct 1988. Australia: Franklin, Tasmania.
- 4726 [DAT 181] AC Rath (F181) ← H Yip (HY180). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.
- 4731 [DAT 257] AC Rath (F257) ← H Yip (HY103). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.
- 4732 [DAT 262] AC Rath (F262) ← H Yip (HY99). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4733 [DAT 263] AC Rath (F263) ← H Yip (HY97). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.
- 4734 [DAT 267] AC Rath (F267) ← H Yip (HY93). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4735 [DAT 268] AC Rath (F268) ← H Yip (HY92). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.
- 4736 [DAT 277] AC Rath (F277) ← H Yip (HY83). Soil. 19 Apr 1988. Australia: Campbelltown, Tasmania.
- 4737 [DAT 294] AC Rath (F294) ← H Yip (HY66). Soil. 22 Mar 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4738 [DAT 297] AC Rath (F297) ← H Yip (HY62). Soil. 22 Mar 1988. Australia: Tervue, York Plains, Tasmania.
- 4740 [DAT 302] AC Rath (F302) ← H Yip (HY57). Soil. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.
- 4743 [DAT 344] AC Rath (F344) ← H Yip (HY15). Soil. 31 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4746 [DAT 349] AC Rath (F349) ← H Yip (HY9). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4747 [DAT 350] AC Rath (F350) ← H Yip (HY8). Soil. 24 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4748 [DAT 351] AC Rath (F351) ← H Yip (HY7). Soil. 24 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4749 [DAT 352] AC Rath (F352) ← H Yip (HY6). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4752 [DAT 355] AC Rath (F355) ← H Yip (HY226). Soil. 12 Jun 1988. Australia: Bruny Island, Tasmania.
- 4753 [DAT 362] AC Rath (F362) ← H Yip (HY219). Soil. 26 Oct 1988. Australia: Sheffield, Tasmania.
- 4754 [DAT 363] AC Rath (F363) ← H Yip (HY218). Soil. 26 Oct 1988. Australia: Sheffield, Tasmania.
- 4757 [DAT 374] AC Rath (F374) ← H Yip (HY234). Soil. 30 Sep 1988. Australia: Ben Lomond, Tasmania.
- 4758 [DAT 377] AC Rath (F377) ← H Yip (HY237). Soil. 22 Jun 1988. Australia: Beaconsfield, Tasmania.
- 4759 [DAT 388] AC Rath (F388) ← H Yip (HY248). Soil. 23 Jun 1988. Australia: St Mary's, Tasmania.
- 4760 [DAT 400] AC Rath (F400) ← H Yip (HY260). Soil. 19 Sep 1988. Australia: Cygnet, Tasmania.
- 4761 [DAT 404] AC Rath (F404) ← H Yip (HY264). Soil. 19 Sep 1988. Australia: Woodbridge, Tasmania.
- 4762 [DAT 405] AC Rath (F405) ← H Yip (HY265). Soil. 1 Sep 1988. Australia: Colebrook, Tasmania.
- 4763 [DAT 406] AC Rath (F406) ← H Yip (HY266). Soil. Rec'd 23 Sep 1994. Australia: Interlaken, Tasmania.
- 4764 [DAT 409] AC Rath (F409) ← H Yip (HY269). Soil. 23 Nov 1988. Australia: Campbelltown, Tasmania.
- 4766 [DAT 413] AC Rath (F413) ← H Yip (HY273). Soil. 3 Nov 1988. Australia: Whitefoord, Tasmania.
- 4773 [DAT 477] AC Rath (F477) ← W Theunis (PNG 2B). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea.
- 4774 [DAT 499] AC Rath (F499). Soil. 22 Jun 1993. Australia: Macquarie Island, Tasmania.
- 4777 [DAT 507] AC Rath (F507). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 25 Oct 1993. Australia: Glen Innes, New England, New South Wales.
- 4778 [DAT 511] AC Rath (F511). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 11 Feb 1994. Australia: New South Wales.
- 4779 [DAT 512] AC Rath (F512). 3rd instar larva, *Anoplognathus hirsutus* [Coleoptera: Scarabaeidae]. 24 Feb 1994. Australia: Glen Innes, New England, New South Wales.
- 4780 [DAT 513] AC Rath (F513). Larva, *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New England, New South Wales.

- 4819 JD Vandenberg (63). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4820 JD Vandenberg (18). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4821 JD Vandenberg (29). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4822 JD Vandenberg (JP1). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4823 JD Vandenberg (21). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4824 JD Vandenberg (29-2). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.
- 4862 BL Parker (AVRDC-0440B). Soil Eggplant. 6 Oct 1994. Republic of China: Chi-Nan, Taiwan.
- 4865 BL Parker (AVRDC-0492B). Soil Eggplant. 10 Nov 1994. Republic of China: Chi-Nan, Taiwan.
- 4901 LA Lacey (95003). [Hemiptera]. Rec'd 27 Apr 1995. Location not specified.
- 4902 LA Lacey (95004). [Hemiptera]. Rec'd 27 Apr 1995. Location not specified.
- 4904 LA Lacey (95006). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.
- 4905 LA Lacey (95007). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.
- 4906 LA Lacey (95008). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.
- 4907 LA Lacey (95009). *Popillia japonica* [Coleoptera: Scarabaeidae]. Dec 1994. Portugal: Terceira Island, Azores.
- 4908 LA Lacey (95010). *Popillia japonica* [Coleoptera: Scarabaeidae]. Dec 1994. Portugal: Terceira Island, Azores.
- 4925 LA Lacey (95027). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4926 LA Lacey (95028). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4927 LA Lacey (95029). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4928 LA Lacey (95030). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4929 LA Lacey (95031). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4930 LA Lacey (95032). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 5161 DR Sosa-Gómez (CNPSO-Ma12). Soil. 5 Jan 1990. Brazil: Mauá, Paraná.
- 5369 I Klingen (NCRI 1-96 (01)). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] Soil sample (marine calcareous soil). 16 Sep 1996. Norway: Potato land (63.57° N), Åfjord, Sør Trøndelag.
- 5469 TJ Poprawski (TJP934). Larva, *Eoreuma loftini* [Lepidoptera: Pyralidae]. Rec'd 9 May 1997. USA: sugarcane field, Weslaco, Texas.
- 5513 I Klingen (PVF 10.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland. **RESTRICTED ACCESS:** contact Curator.
- 5514 I Klingen (PVF 10.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5515 I Klingen (PVF 4.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5516 I Klingen (PVF 6). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5517 I Klingen (PVF 9.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.
- 5518 I Klingen (TØF 22.4). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5519 I Klingen (TØF 22.5). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5520 I Klingen (TØF 22.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5521 I Klingen (TØF 25.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5554 I Klingen (F1C.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.
- 5555 I Klingen (F2C.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.
- 5556 I Klingen (F3D.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.
- 5624 I Vänninen (SF85-60). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 18 Jul 1985. Finland: Lapinjärvi, Uudenmaan Lääni.
- 5628 ST Jaronski (ER1). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

- 5715 JM Sung (KEFC-356). Rec'd 11 May 1998.
- 5716 JM Sung (KEFC-642). Rec'd 11 May 1998.
- 5717 JM Sung (KEFC-835). Rec'd 11 May 1998.
- 5746 MCHCA Bernal (MaPL6). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.
- 5749 MCHCA Bernal (MaPL35). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.
- 5752 MCHCA Bernal (MaPL41). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1996. Mexico: Parral, Chiapas.
- 5837 T Steenberg (SSL 14). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from larva of *Agrotis segetum* [Lepidoptera: Noctuidae].
- 5841 T Steenberg (SSL 32). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Anotylus* sp. [Coleoptera: Staphylinidae].
- 5842 T Steenberg (SSL 50). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.
- 5848 T Steenberg (SSL 75). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from larvae of an unidentified beetle [Coleoptera].
- 5850 T Steenberg (SSL 84). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from an unidentified beetle [Coleoptera].
- 6167 M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1998. USA: Tug Hill Plateau, Richland, New York. Host infested in laboratory upon exposure to field collected soil.
- 6236 [RCEF 0386] [Phasmatodea: Phasmatidae]. 20 Sep 1997. PR China: Anhui.
- 6237 [RCEF 0389] [Orthoptera]. Rec'd 24 Aug 1999. PR China: Anhui.
- 6319 Adult, male, *Aeneolamia varia* [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6321 Adult, male, *Mahanarva* sp. [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6322 Adult, male, *Mahanarva* sp. [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6323 Adult, female, *Zulia pubescens* [Hemiptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.
- 6324 Nymph, 16 Feb 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6326 5th instar larva, 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6342 Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 12 Feb 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6343 Nymph, *Aeneolamia varia* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6345 Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6346 Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.
- 6356 4th instar larva, *Zulia colombiana* [Hemiptera: Cercopidae]. 22 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6360 Adult, *Tagosodes orizicolus*. Jun 1998. Colombia: CIAT Farm, Palmira, Valle.
- 6388 TL Dubois (FS 3 # 1 (3)) ← SM Smith ← V D'Amico. Larva, late instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twig. 19 Mar 1999. USA: Laboratory colony, USDA Forest Service, Hamden, Connecticut. Laboratory colony started from host originally obtained from infested maple wood collected in Chicago, Illinois, USA 5 March 1999.
- 6389 TL Dubois (SS 1 # 2 (1)) ← SM Smith. Larva, early instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from wood of *Acer* sp. 23 Mar 1999. USA: USDA APHIS ANG Base, Otis, Massachusetts. Laboratory colony started from host originally obtained from infested maple wood collected in Chicago, Illinois, USA 5 March 1999.
- 6414 EA Ouna (Kutui-10). Rec'd 22 Dec 1999.
- 6415 EA Ouna (Sudan P1 (a)). Rec'd 22 Dec 1999.
- 6417 EA Ouna (Sudan 4 (a)). Rec'd 22 Dec 1999.
- 6457 [CIAT 042] D Peck. Adult, *Zulia carbonaria* [Hemiptera: Cercopidae]. 13 Jul 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6468 [CIAT 053] D Peck. Adult, female, *Zulia carbonaria* [Hemiptera: Cercopidae]. 2 Jun 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6475 I Klingen (HVI.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Fall 1999. Norway: Hvitvingfoss, Buskerud.
- 6549 D Chandler (HRI 189.83). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6551 D Chandler (HRI 335.92). Larva, *Agriotes* sp. [Coleoptera: Elateridae]. Rec'd 13 Jul 2000. United Kingdom.
- 6558 D Chandler (HRI 378.93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from woodland soil. Rec'd 13 Jul 2000. United Kingdom.
- 6570 D Chandler (HRI 391.93). *Pemphigus trehernei* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom: coastal salt marshes, Norfolk, England.
- 6670 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Harae, Northern Shoa.

- 6671 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Shewa Robin, Northern Shoa.
- 6672 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Kewot, Northern Shoa.
- 6673 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Dedeaa, Northern Shoa.
- 6674 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rufe Kure, Northern Shoa.
- 6675 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rober, Northern Shoa.
- 6677 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Dedeaa, Northern Shoa.
- 6678 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Gobenaytu, Northern Shoa.
- 6679 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Sefi Beret, Northern Shoa.
- 6680 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Shewa Robin, Northern Shoa.
- 6682 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rufe Kure, Northern Shoa.
- 6683 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Awaketu, Northern Shoa.
- 6684 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Awaketu, Northern Shoa.
- 6685 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Kewot, Northern Shoa.
- 6694 Phylum Arthropoda, Class Crustacea. Rec'd 17 Jan 2001. Ethiopia: Alamata, Welo.
- 6698 From soil. Rec'd 17 Jan 2001. Ethiopia: Arba Minch.
- 6700 Rec'd 17 Jan 2001. Kenya.
- 6756 GUL Braga and DW Roberts (DWR 86). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.
- 6757 GUL Braga and DW Roberts (DWR 88). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.
- 6758 GUL Braga and DW Roberts (DWR 90). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.
- 6759 GUL Braga and DW Roberts (DWR 91). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.
- 6760 GUL Braga and DW Roberts (DWR 92). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.
- 6761 GUL Braga and DW Roberts (DWR 137). 30 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.
- 6762 GUL Braga and DW Roberts (DWR 138). 30 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.
- 6763 GUL Braga and DW Roberts (DWR 146). 7 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6829 GUL Braga and DW Roberts (DWR 45). 24 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP 38 following UV-B exposure.
- 6830 GUL Braga and DW Roberts (DWR 46). 22 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP 38 following UV-B exposure.
- 6831 GUL Braga and DW Roberts (DWR 47). 9 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP CLII following UV-B exposure.
- 6832 GUL Braga and DW Roberts (DWR 48). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.
- 6833 GUL Braga and DW Roberts (DWR 49). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.
- 6834 GUL Braga and DW Roberts (DWR 50). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.
- 6835 GUL Braga and DW Roberts (DWR 51). 1 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (violet) obtained from ARSEF 1095.
- 6836 GUL Braga and DW Roberts (DWR 52). 24 Feb 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (violet) obtained from ARSEF 1095.
- 6837 GUL Braga and DW Roberts (DWR 53). 18 May 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.

- 6838 GUL Braga and DW Roberts (DWR 54). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.
- 6839 GUL Braga and DW Roberts (DWR 55). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.
- 6840 GUL Braga and DW Roberts (DWR 58). 5 Jan 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.
- 6849 GUL Braga and DW Roberts (DWR 67). 11 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.
- 6850 GUL Braga and DW Roberts (DWR 71). 23 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6860 GUL Braga and DW Roberts (DWR 167). 20 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6861 GUL Braga and DW Roberts (DWR 168). 16 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellowish green) obtained from ARSEF 23 following UV-B exposure.
- 6862 GUL Braga and DW Roberts (DWR 170). 19 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6863 GUL Braga and DW Roberts (DWR 171). 29 Dec 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6901 I Klingen (NCRI 1/01/Ma). Larva, *Phyllopertha horticola* [Coleoptera: Scarabaeidae] in lawn. 23 May 2001. Norway: Moss, Østfold. **RESTRICTED ACCESS: consult Curator.**
- 6909 JR Fuxa (G-6170). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jun 1999. USA: New Orleans, Louisiana.
- 6910 JR Fuxa (G-6292). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jun 1999. USA: Baton Rouge, Louisiana.
- 6911 JR Fuxa (G-7192). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jul 1999. USA: Lake Charles, Louisiana.
- 6930 ST Jaronski (TM10). Soil plated on oatmeal dodine agar. 2000. USA: D. Danielson Farm, sugarbeet field, Richland County, Montana.
- 6958 ST Jaronski (MA1200). Rec'd 11 Jan 2002.
- 6959 ST Jaronski (MA51A). Rec'd 11 Jan 2002.
- 6960 ST Jaronski (MA71A). Rec'd 11 Jan 2002.
- 6989 GUL Braga and DW Roberts (DWR 142). 11 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6990 GUL Braga and DW Roberts (DWR 144). 16 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6991 GUL Braga and DW Roberts (DWR 145). 11 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.
- 6992 GUL Braga and DW Roberts (DWR 147). 1 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.
- 6993 GUL Braga and DW Roberts (DWR 148). 7 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.
- 6994 GUL Braga and DW Roberts (DWR 069). 26 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (yellow) obtained from ARSEF 23. Formerly IDed as MAA; changed by RAH, 02/2/2009.
- 6995 GUL Braga and DW Roberts (DWR 149). 1 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.
- 6996 GUL Braga and DW Roberts (DWR 176). 20 Apr 2001. USA: Utah State University, Department of Biology, Logan, Utah. Revertant (green) obtained from ARSEF 6995 following UV-B exposure.
- 6997 GUL Braga and DW Roberts (DWR 179). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Revertant (green) obtained from ARSEF 6993 following UV-B exposure.
- 6998 GUL Braga and DW Roberts (DWR 180). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (white) obtained from ARSEF 6995 following UV-B exposure.
- 6999 GUL Braga and DW Roberts (DWR 181). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (white) obtained from ARSEF 6995 following UV-B exposure.
- 7000 LA Lacey (YARL 020128-1). Adult, *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7001 LA Lacey (YARL 020128-2). Adult, *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7002 LA Lacey (YARL 020128-3). Adult, *Limonius canus* [Coleoptera: Elateridae] reared in laboratory.

- Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7003 LA Lacey (YARL 020128-4). Adult, *Limoniuss canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7004 LA Lacey (YARL 011219-7). *Limoniuss canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7005 LA Lacey (YARL 011219-9). *Limoniuss canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7006 LA Lacey (YARL 011219-10). *Limoniuss canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7007 LA Lacey (YARL 011219-11). *Limoniuss canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7008 LA Lacey (YARL 011219-14). *Limoniuss canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7009 LA Lacey (YARL 011219-15). *Limoniuss canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.
- 7014 I Klingen (NCRI 08/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7015 I Klingen (NCRI 09/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7016 I Klingen (NCRI 12/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7017 I Klingen (NCRI 14/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7018 I Klingen (NCRI 17/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7019 I Klingen (NCRI 19/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7020 I Klingen (NCRI 20/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7021 [I Klingen NCRI 21/02] *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7022 I Klingen (NCRI 26/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7023 I Klingen (NCRI 32/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7024 I Klingen (NCRI 40/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7025 I Klingen (NCRI 51/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7026 I Klingen (NCRI 52/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.
- 7059 E Groden (Ant 3 / Bio 1). *Myrmica rubra* [Hymenoptera: Formicidae]. 13 Aug 2002. USA: Otter Creek, north end of Otter Cove, Mount Desert Island, Maine.
- 7180 H Liu (MSUFS-500). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Feb 2002. USA: Ravenswood, Chicago, Illinois.
- 7451 [CSIRO FI-0993] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 28 Apr 1993. Australia: Larsen, Kingaroy, Queensland.
- 7474 [CEP 076] C López Lastra. [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 24 Feb 2004. Argentina: Los Hornos, Buenos Aires.
- 7475 [CEP 078] C López Lastra. [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 3 May 2004. Argentina: San Antonio de Areco, Buenos Aires.
- 7476 [CEP 086] C López Lastra. [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 7 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7485 [CSIRO FI-0726] From soil sample S31. 6 Dec 1990. Burma.
- 7489 [CSIRO FI-1095] ARSEF (441). *Teleogryllus commodus* [Orthoptera: Gryllidae]. 11 Mar 1980. Australia: Warnambool, Victoria.
- 7490 [CSIRO FI-1096] ARSEF (442). *Teleogryllus commodus* [Orthoptera: Gryllidae]. 11 Mar 1980. Australia: Hawkesdale, Victoria.

- 7492 [CSIRO FI-1350] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 2 Jun 1999. Laboratory experiment.
- 7494 [CSIRO FI-1363] CBS (316.51). *Agriotes* sp. [Coleoptera: Elateridae]. 23 Aug 1999. USA: Forest Grove, Oregon.
- 7496 [CSIRO FI-1402] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 13 Apr 2000. Australia: Bundaberg, Queensland.
- 7498 [CSIRO FI-1410] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 26 Apr 2000. Australia: Moree, New South Wales.
- 7499 [CSIRO FI-1412] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 12 May 2000. Australia: Moree, New South Wales.
- 7500 [CSIRO FI-1414] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 1 Jun 2000. Australia: Moree, New South Wales.
- 7503 [CSIRO FI-1418] AMMRL 154.04. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.
- 7504 [CSIRO FI-1425] *Lepidiota noxia* [Coleoptera: Scarabaeidae]. 18 Aug 2000. Australia: Bundaberg, Queensland.
- 7506 [CSIRO FI-1451] *Mastotermes* sp. [Isoptera: Mastotermitidae]. 13 Jul 2002.
- 7524 S Keller (714). Larva, *Agriotes* sp. [Coleoptera: Elateridae]. 28 Aug 2001. Switzerland: Jenaz, Graubünden.
- 7527 S Keller (800). Larva, [Coleoptera: Scarabaeidae]. 31 May 2002. Nepal: Parbat District.
- 7529 S Keller (885). Larva, [Coleoptera: Scarabaeidae]. Winter 2003. Nepal: Pang, Parbat District.
- 7532 S Keller (500). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 16 Jan 1995. Switzerland: Uri.
- 7535 E Groden (Plate #3). *Myrmica rubra* [Hymenoptera: Formicidae]. 12 Aug 2003. United Kingdom: Kimmeridge, Dorset, England. 50.37.11 N, 022.06.59 W, 133 m elevation.
- 7536 E Groden (Plate #4). *Myrmica scabrinodis* [Hymenoptera: Formicidae]. 16 Aug 2003. United Kingdom: Lynmouth, Devon, England. 51.12.15 N, 03.37.55 W, 230 m elevation.
- 7537 E Groden (Plate #5). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2003. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.
- 7538 E Groden (Plate #6). *Myrmica rubra* [Hymenoptera: Formicidae]. 22 Aug 2003. United Kingdom: Exeter, Devon, England. 50.44.10 N, 03.33.00 W, 22 m elevation.
- 7569 I Klingen (NCRI 53/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7570 I Klingen (NCRI 211/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7571 I Klingen (NCRI 240/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7572 I Klingen (NCRI 241/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7573 I Klingen (NCRI 221/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7612 H Cortez Madrigal (MaA1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.
- 7613 H Cortez Madrigal (MaA2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.
- 7614 H Cortez Madrigal (MaA3). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.
- 7615 H Cortez Madrigal (MaA4). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.
- 7644 [SRCAMB B-217] V Likhovidov (Vg-6/1s) ← BA Borisov. *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1991. Vietnam: environs of Hanoi, Hanoi. Field Collection Number F-60.
- 7814 [CSIRO FI-0014] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: Anderson, Guyra, New South Wales.
- 7815 [CSIRO FI-0038] *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1 Jun 1981. Australia: Ballarat, Victoria.
- 7816 [CSIRO FI-0083] *Lepidiota squamulata* [Coleoptera: Scarabaeidae]. 5 Aug 1985. Australia: Mackay, Queensland.
- 7817 [CSIRO FI-0086] Isolated from soil sample. 27 Feb 1985. Australia: Cairns, Queensland.
- 7818 [CSIRO FI-0092] Isolated from soil sample. 11 Dec 1984. Australia: Mackay, Queensland.
- 7819 [CSIRO FI-0111] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 30 Oct 1985. Australia: The Hummock, Bundaberg, Queensland.
- 7820 [CSIRO FI-0120] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.

- 7821 [CSIRO FI-0121] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.
- 7822 [CSIRO FI-0122] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.
- 7823 [CSIRO FI-0123] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.
- 7824 [CSIRO FI-0126] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. Jan 1986. Australia: Yeppoon, Queensland.
- 7825 [CSIRO FI-0143] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. 2 Apr 1986. Australia: Yeppoon, Queensland.
- 7826 [CSIRO FI-0144] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. 2 Apr 1986. Australia: Yeppoon, Queensland.
- 7827 [CSIRO FI-0148] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.
- 7828 [CSIRO FI-0150] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.
- 7829 [CSIRO FI-0154] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.
- 7830 [CSIRO FI-0157] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.
- 7831 [CSIRO FI-0160] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.
- 7832 [CSIRO FI-0165] *Lepidiota negatoria* [Coleoptera: Scarabaeidae]. 26 Nov 1986. Australia: Maryborough, Queensland.
- 7833 [CSIRO FI-0177] Isolated from soil sample. 22 Jan 1987. Australia: Bundaberg field site, Bundaberg, Queensland.
- 7834 [CSIRO FI-0179] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7835 [CSIRO FI-0181] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7836 [CSIRO FI-0182] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7837 [CSIRO FI-0188] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7838 [CSIRO FI-0189] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.
- 7839 [CSIRO FI-0191] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 5 Feb 1987. Australia: Maryborough, Queensland.
- 7840 [CSIRO FI-0196] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7841 [CSIRO FI-0197] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7842 [CSIRO FI-0205] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 23 Mar 1987. Australia: Yandaren, Bundaberg, Queensland.
- 7843 [CSIRO FI-0912] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.
- 7844 [CSIRO FI-0913] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.
- 7845 [CSIRO FI-0024] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 2 Jan 1981. Australia: South Australia.
- 7846 [CSIRO FI-0149] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.
- 7847 DEN Rangel and DW Roberts (DWR 200). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Mar 2005. USA: Soil sample #13, Snowflake, Arizona. 34.42.924 N, 110.01.860 W, 5280 ft elevation.
- 7854 [CSIRO FI-0190] Adult, *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 5 Feb 1987. Australia: Maryborough, Queensland.
- 7855 [CSIRO FI-0193] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7856 [CSIRO FI-0194] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7857 [CSIRO FI-0195] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7858 [CSIRO FI-0199] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7859 [CSIRO FI-0200] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7860 [CSIRO FI-201] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7861 [CSIRO FI-0202] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.
- 7862 [CSIRO FI-0209] *Phaulacridium vittatum* [Orthoptera: Acrididae]. Spring 1987. Australia: Gininderra Experiment Station, Gininderra, New South Wales.

- 7863 [CSIRO FI-0211] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Canberra, Australian Capital Territory.
- 7864 [CSIRO FI-0214] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Childers, Queensland.
- 7865 [CSIRO FI-0218] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 10 Jun 1987. Australia: Calavos, Bundaberg, Queensland.
- 7866 [CSIRO FI-0220] Rec'd 16 Sep 2005. Expt S131. Hybrid of FI-0114 and FI-0153.
- 7867 [CSIRO FI-0221] Isolated from soil sample. 14 Jul 1987. Australia: Tegege, Queensland.
- 7868 [CSIRO FI-0223] Isolated from soil sample. 14 Jul 1987. Australia: Tegege, Queensland.
- 7869 [CSIRO FI-0266] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7870 [CSIRO FI-0267] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7871 [CSIRO FI-0268] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7872 [CSIRO FI-0269] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7873 [CSIRO FI-0270] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7874 [CSIRO FI-0274] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7875 [CSIRO FI-0275] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7876 [CSIRO FI-0276] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7879 [CSIRO FI-0273] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.
- 7880 [CSIRO FI-0280] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7881 [CSIRO FI-0282] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7882 [CSIRO FI-0283] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7883 [CSIRO FI-0284] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7884 [CSIRO FI-0287] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7885 [CSIRO FI-0289] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7886 [CSIRO FI-0290] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7887 [CSIRO FI-0291] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7888 [CSIRO FI-0292] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.
- 7892 [CSIRO FI-0298] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7893 [CSIRO FI-0299] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7894 [CSIRO FI-0300] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7895 [CSIRO FI-0301] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7896 [CSIRO FI-0302] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7897 [CSIRO FI-0303] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.
- 7898 [CSIRO FI-0304] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.
- 7899 [CSIRO FI-0305] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.
- 7900 [CSIRO FI-0307] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.
- 7901 [CSIRO FI-0308] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.
- 7902 [CSIRO FI-0309] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.
- 7903 [CSIRO FI-0310] Isolated from soil sample. Dec 1988. Australia: Basse, Mount Martin, Queensland.
- 7904 [CSIRO FI-0311] Isolated from soil sample. Dec 1988. Australia: Basse, Mount Martin, Queensland.
- 7905 [CSIRO FI-0312] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.
- 7906 [CSIRO FI-0313] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.
- 7907 [CSIRO FI-0314] Isolated from soil sample. Dec 1988. Australia: Highams Bridge, Finch Hatton, Queensland.
- 7908 [CSIRO FI-0315] Isolated from soil sample. Dec 1988. Australia: Highams Bridge, Finch Hatton, Queensland.
- 7909 [CSIRO FI-0316] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.
- 7910 [CSIRO FI-0317] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.
- 7911 [CSIRO FI-0318] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.
- 7912 [CSIRO FI-0319] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.
- 7913 [CSIRO FI-0321] Isolated from soil sample. Dec 1988. Australia: Vigiente, Devereux Creek, Queensland.
- 7914 [CSIRO FI-0324] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.
- 7915 [CSIRO FI-0326] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.

- 7916 [CSIRO FI-0332] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7917 [CSIRO FI-0333] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7918 [CSIRO FI-0334] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7919 [CSIRO FI-0335] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7920 [CSIRO FI-0336] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.
- 7921 [CSIRO FI-0349] Rec'd 16 Sep 2005.
- 7925 [CSIRO FI-0351] Rec'd 16 Sep 2005.
- 7926 [CSIRO FI-0355] DG Holdom (030189-1). Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Walkers Point, Queensland.
- 7927 [CSIRO FI-0373] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.
- 7928 [CSIRO FI-0374] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.
- 7930 [CSIRO FI-0376] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.
- 7931 [CSIRO FI-0377] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 10 Mar 1989. Australia: Maidements, Bundaberg, Queensland.
- 7932 [CSIRO FI-0378] Adult, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
- 7933 [CSIRO FI-0380] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
- 7934 [CSIRO FI-0381] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
- 7935 [CSIRO FI-0382] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
- 7936 [CSIRO FI-0383] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.
- 7967 LA Lacey (14B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 3 (Green), CRP soil 19-21, Alaska.
- 8014 BC King (41). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AB027383 (100%) LSU. **RESTRICTED ACCESS:** consult Curator.
- 8015 MS Wright (C 4B). Alate, *Coptotermes formosanus* [Isoptera: Rhinotermitidae]. Rec'd 10 Apr 2006. USA: New Orleans, Louisiana. Subject of US Patent No. 7790151.
- 8063 [CSIRO FI-0567] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut. 21 Feb 1990. Australia: sawmill, Batemans Bay, New South Wales.
- 8070 [CSIRO FI-0577] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 19 Mar 1990. Australia: 3 km north of Michelago, Michelago, New South Wales.
- 8071 [CSIRO FI-0581] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8096 [CSIRO FI-0654] from feeding site 8 Apr 1990. Australia: 5 km south, Old Bonalbo, New South Wales.
- 8098 [CSIRO FI-0658] [Coleoptera: Curculionidae]. 29 May 1990. CSIRO, Nematodes Laboratory.
- 8099 [CSIRO FI-0659] [Coleoptera: Curculionidae]. 29 May 1990. CSIRO, Nematodes Laboratory.
- 8100 [CSIRO FI-0661] *Nasutitermes exitiosus* [Isoptera: Termitidae]. 13 Jul 1990. Australia: Pearce RAAF Base, Bullsbrook, Western Australia.
- 8103 [CSIRO FI-0666] 16 Jul 1990.
- 8104 [CSIRO FI-0667] 16 Jul 1990.
- 8105 16 Jul 1990.
- 8106 16 Jul 1990.
- 8107 Acc'd Sep 2006.
- 8108 Acc'd Sep 2006.
- 8109 Acc'd Sep 2006.
- 8196 LA Castrillo (MI-17). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8197 LA Castrillo (MI-18). Isolated from soil sample, base of tree #13. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8198 LA Castrillo (MI-19). Isolated from soil sample, base of tree #63. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8199 LA Castrillo (MI-20). Isolated from soil sample, base of tree #52. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.
- 8212 S Entz (20W-5). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. May 2004. Canada: fallow wheat field 30 km east of Milk River, Alberta.
- 8219 [CSIRO FI-0715] Isolated from soil sample S28. 6 Dec 2006. Burma.
- 8220 [CSIRO FI-0716] Isolated from soil sample S14. 6 Dec 1990. Burma.
- 8221 [CSIRO FI-0717] Isolated from soil sample KAN PYA. 6 Dec 1990. Burma.
- 8222 [CSIRO FI-0718] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8223 [CSIRO FI-0719] Isolated from soil sample S21. 6 Dec 1990. Burma.

- 8226 [CSIRO FI-0722] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8229 [CSIRO FI-0729] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound A (A1). 9 Jan 1991. Australia: Manar Creek, Braidwood, New South Wales.
- 8230 [CSIRO FI-0730] *Nasutitermes exitiosus* [Isoptera: Termitidae] from soil around mound A (A14). 9 Jan 1991. Australia: Manar Creek, Braidwood, New South Wales.
- 8231 [CSIRO FI-739] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F19). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8232 [CSIRO FI-0744] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F13). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8233 [CSIRO FI-0749] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound G (G3). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8234 [CSIRO FI-750] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8235 [CSIRO FI-0756] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G 18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8236 [CSIRO FI-765] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8248 LA Castrillo (SFMa1) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydriidae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.
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- 8270 RJ Pereault (masi#1). Isolated from soil sample. Jul 2006. USA: Northport, Michigan.
- 8319 N Hudson (GmMa1). Rec'd 21 Dec 2006. **RESTRICTED ACCESS:** consult Curator.
- 8323 AC Churchill (MaNPS1 Ect A-18). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8324 AC Churchill (MaNPS1 KO B1-3). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8325 AC Churchill (MaNPS1 KO 8-18). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8326 AC Churchill (MaNPS1 KO 37-2). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8327 AC Churchill (MaNPS1 KO 43-1). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.
- 8334 Z Demirbag (KTU-2). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Ardesen, Rize.
- 8335 Z Demirbag (KTU-3). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.
- 8336 Z Demirbag (KTU-4). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.
- 8338 Z Demirbag (KTU-6). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.
- 8341 Z Demirbag (KTU-9). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Terme, Samsun.
- 8342 Z Demirbag (KTU-10). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Ordu Province.
- 8344 Z Demirbag (KTU-12). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Persembe, Ordu.
- 8346 Z Demirbag (KTU-14). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Aug 2006. Turkey: Çambunu, Sürmene, Trabzon.
- 8347 Z Demirbag (KTU-15). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.
- 8350 Z Demirbag (KTU-18). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Murgul, Artvin.
- 8351 Z Demirbag (KTU-19). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Murgul, Artvin.
- 8352 Z Demirbag (KTU-20). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Camili, Artvin.
- 8353 Z Demirbag (KTU-21). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.
- 8357 DEN Rangel and DW Roberts (DWR 313). 3 Jun 2006. USA: Coconino National Forest, Oak Creek Canyon, Coconino County, Arizona. 34.57.271 N, 111.45.480 W, 5037 ft elevation.
- 8358 DEN Rangel and DW Roberts (DWR 338). 28 May 2006. USA: Hwy 89A, Jacob Lake, Arizona. 36.43.555 N, 112.07.522 W, 6942 ft elevation.
- 8362 DEN Rangel and DW Roberts (DWR 217). Rec'd 20 Feb 2007.
- 8363 DEN Rangel and DW Roberts (DWR 200). 13 Mar 2005. USA: Snowflake, Arizona. 34.42.924 N, 110.01.860 W, 5280 ft elevation.

- 8364 DEN Rangel and DW Roberts (DWR 203). 13 Mar 2005. USA: Winslow, Arizona. 35.03.225 N, 110.35.388 W, 5068 ft elevation.
- 8365 DEN Rangel and DW Roberts (DWR 261). 6 Aug 2006. USA: Talkeetna, Alaska. 61.26.728 N, 149.22.150 W, 232 ft elevation.
- 8366 DEN Rangel and DW Roberts (DWR 312). 2004. USA: Green Canyon, Logan, Utah.
- 8367 DEN Rangel and DW Roberts (DWR 346). 28 May 2006. USA: Snowflake, Arizona. 34.41.222 N, 110.06.199 W, 5572 ft elevation.
- 8375 [CEP 003; LPSC 904] AV Toledo. Soil of *Sorghum bicolor* (L.) Moench, sorghum crop. 13 Jul 2003. Argentina: Los Hornos, Buenos Aires.
- 8376 [CEP 160; LPSC 908] AV Toledo. Adult, [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 6 Oct 2004. Argentina: Esteros del Iberá, Corrientes.
- 8377 [CEP 178; LPSC 909] AV Toledo. Adult, *Kanaima fluvialis* [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). Nov 2004. Argentina: Bella Vista, Corrientes.
- 8432 Z Demirbag (KTU-26). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Kalkandere, Rize.
- 8433 Z Demirbag (KTU-27). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.
- 8434 Z Demirbag (KTU-28). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.
- 8435 Z Demirbag (KTU-29). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Güneysu, Rize.
- 8436 Z Demirbag (KTU-30). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Çaykara, Trabzon.
- 8437 Z Demirbag (KTU-31). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8438 Z Demirbag (KTU-32). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.
- 8440 Z Demirbag (KTU-34). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Fatsa, Ordu.
- 8443 Z Demirbag (KTU-37). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Mar 2007. Turkey: Görele, Giresun.
- 8445 Z Demirbag (KTU-39). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Ulubeý, Ordu.
- 8446 Z Demirbag (KTU-40). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Akçaabat, Trabzon.
- 8447 Z Demirbag (KTU-41). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Kalkandere, Rize.
- 8450 Z Demirbag (KTU-44). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.
- 8451 Z Demirbag (KTU-45). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.
- 8452 Z Demirbag (KTU-46). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Güneysu, Rize.
- 8453 Z Demirbag (KTU-47). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Salarha, Rize.
- 8454 Z Demirbag (KTU-48). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.
- 8492 [CSIRO FI-0012] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: McKemeys, Guyra, New South Wales.
- 8495 [CSIRO FI-0019] Pupa, *Rhopaea verreauxii* [Coleoptera: Scarabaeidae]. 13 Feb 1980. Australia: Dorrigo, New South Wales.
- 8498 [CSIRO FI-0390] [Hemiptera: Cercopidae]. 29 Mar 1989. Brazil.
- 8499 [CSIRO FI-0396] *Phyllophaga anxia* [Coleoptera: Scarabaeidae]. 29 Mar 1989. Canada: Southern Québec.
- 8501 [CSIRO FI-0529] *Lepidiota picticollis* [Coleoptera: Scarabaeidae]. 28 Jul 1989. Laboratory experiment.
- 8503 [CSIRO FI-0741] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8504 [CSIRO FI-0751] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8506 [CSIRO FI-0753] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G20). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8507 [CSIRO FI-0754] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G20). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8508 [CSIRO FI-0757] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8509 [CSIRO FI-0759] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G13). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

- 8510 [CSIRO FI-0762] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G15). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8511 [CSIRO FI-0763] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8512 [CSIRO FI-0767] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8513 [CSIRO FI-0772] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound G (G9). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8514 [CSIRO FI-0773] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G19). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8516 [CSIRO FI-0778] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I2). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8517 [CSIRO FI-0779] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8518 [CSIRO FI-0780] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8527 [CEP 122] AV Toledo. Adult, [Hemiptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 18 May 2004. Argentina: La Plata, Buenos Aires.
- 8531 [CSIRO FI-0781] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8532 [CSIRO FI-0782] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8533 [CSIRO FI-0784] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8535 [CSIRO FI-0790] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8538 [CSIRO FI-0794] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8539 [CSIRO FI-0795] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8540 [CSIRO FI-0796] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8541 [CSIRO FI-0797] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8564 [CSIRO FI-0871] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 8 Jan 1992. Australia: Clermont, Queensland.
- 8568 [CSIRO FI-0881] *Desiantha diversipes* [Coleoptera: Curculionidae] from root of *Echium* sp. (Boraginaceae). 8 Jan 1992.
- 8569 [CSIRO FI-0882] *Desiantha diversipes* [Coleoptera: Curculionidae]. 8 Jan 1992.
- 8573 [CSIRO FI-0889] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Pub Corner, Kangaroo Island, South Australia.
- 8575 [CSIRO FI-0742] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8580 [CSIRO FI-0900] 29 Apr 1992.
- 8591 [CSIRO FI-0919] *Microcerotermes* sp. [Isoptera: Termitidae]. 1 Jul 1992. Australia: Howard Springs, Northern Territory.
- 8594 [CSIRO FI-0926] From Dodine 2, 20 Jul 1992. 5 Aug 1992. Sunnyclyff Orchard.
- 8595 [CSIRO FI-0928] From Dodine 1, 20 Jul 1992. 5 Aug 1992. Sunnyclyff Orchard.
- 8596 [CSIRO FI-0929] From Dodine 1, 20 Jul 1992. 5 Aug 1992. Sunnyclyff Orchard.
- 8597 [CSIRO FI-0930] From 1/2 Veen's, 20 Jul 1992. 5 Aug 1992. Sunnyclyff Orchard.
- 8603 [CSIRO FI-0895] Rec'd 18 May 2007. Mixed culture of light and dark spored forms.
- 8604 [CSIRO FI-0895] Rec'd 18 May 2007. Dark spored form of ARSEF 8603.
- 8605 [CSIRO FI-0895] Rec'd 18 May 2007. Light spored form of ARSEF 8603.
- 8610 [CSIRO FI-0868] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 8 Jan 1992. Australia: Clermont, Queensland.
- 8612 [CSIRO FI-0923] 12 Jul 1992. Papua New Guinea. Mixed culture of light and dark spored forms.
- 8620 [CSIRO FI-0953] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Queensland.

- 8623 [CSIRO FI-0957] 22 Jul 1992.
 8624 [CSIRO FI-0958] 22 Jul 1992.
 8625 22 Jul 1992.
 8626 Acc'd 22 Oct 2007.
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 8632 Acc'd 24 Oct 2007.
 8653 LA Castrillo (A2 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Ann Arbor, Michigan.
 8654 LA Castrillo (A2 soil 2). Isolated from soil sample. 29 Sep 2007. USA: Ann Arbor, Michigan.
 8655 LA Castrillo (B1 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Brighton, Michigan.
 8656 LA Castrillo (L1 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Lansing, Michigan.
 8657 LA Castrillo (L5 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Lansing, Michigan.
 8658 LA Castrillo (R3 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Redford, Michigan.
 8659 LA Castrillo (R7 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Redford, Michigan.
 8660 Z Demirbag (KTU-49). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Hemsin, Rize.
 8662 Z Demirbag (KTU-51). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüşhane.
 8665 Z Demirbag (KTU-54). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Çalidere, Bayburt.
 8669 Z Demirbag (KTU-58). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.
 8680 MJ Bidochka (43A 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Bewdley, Ontario.
 8681 MJ Bidochka (56B 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Norwood, Ontario.
 8682 MJ Bidochka (FRB2 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Frankford, Ontario.
 8683 MJ Bidochka (GUB2 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Guelph, Ontario.
 8684 MJ Bidochka (HKB1 1b). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Havelock, Ontario.
 8685 MJ Bidochka (MAA1 2ii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Madoc, Ontario.
 8686 MJ Bidochka (ORB1 1ii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Orillia, Ontario.
 8687 MJ Bidochka (PHA1 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Parkhill, Ontario.
 8688 MJ Bidochka (ROA1 1b). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Rodney, Ontario.
 8689 MJ Bidochka (ROA2 2a). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Rodney, Ontario.
 8690 MJ Bidochka (SCB2 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: St. Catharines, Ontario.
 8691 MJ Bidochka (SHB1 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Sharbot Lake, Ontario.
 8692 MJ Bidochka (TIB2 1iii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Tillsonburg, Ontario.
 8693 ST Jaronski (GE002). 2 Jun 2005. Spain.
 8696 ST Jaronski (GE049). *Calliptamus italicus* [Orthoptera: Catantopidae]. 22 Feb 2006. Republic of Georgia: Samuxi.
 8698 ST Jaronski (GE051). *Calliptamus italicus* [Orthoptera: Catantopidae]. 7 Mar 2006. Republic of Georgia: Samuxi.
 8700 ST Jaronski (GE075). 9 Jul 2004. Republic of Georgia.
 8701 ST Jaronski (GE102). *Calliptamus italicus* [Orthoptera: Catantopidae]. 10 Aug 2004. Republic of Georgia: Sagarejo, Kakheti.
 8702 ST Jaronski (GE104). *Calliptamus italicus* [Orthoptera: Catantopidae]. 12 Aug 2004. Republic of Georgia: Sagarejo, Kakheti.
 8703 ST Jaronski (GE10-01). Isolated from soil sample. 2 Dec 2004. Republic of Georgia: Rustavi, Kvemo Kartli.
 8731 [CSIRO FI-0025] *Neotermes* sp. [Isoptera: Kalotermitidae]. 2 Jan 1981. Australia: Cooktown, Queensland.
 8733 [CSIRO FI-0153] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.
 8734 [CSIRO FI-0454] [Coleoptera: Staphylinidae]. 26 Apr 1989. Australia: Parissi pupation study site, Bundaberg, Queensland.
 8735 [CSIRO FI-0999] *Spodoptera* sp. [Lepidoptera: Noctuidae]. 11 May 1993. Malaysia: Cameron Highlands.
 8744 [CSIRO FI-1040] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland.
 8745 [CSIRO FI-1081] *Brontispa longissima* [Coleoptera: Chrysomelidae]. 20 May 1994. Australia: Darwin, Northern Territory.

- 8746 [CSIRO FI-1082] *Brontispa longissima* [Coleoptera: Chrysomelidae]. 20 May 1994. Australia: Darwin, Northern Territory.
- 8747 [CSIRO FI-1083] *Brontispa longissima* [Coleoptera: Chrysomelidae]. 20 May 1994. Australia: Darwin, Northern Territory.
- 8748 [CSIRO FI-1107] *Papuana* sp. [Coleoptera: Scarabaeidae]. 14 Dec 1994. Papua New Guinea.
- 8749 [CSIRO FI-1123] Isolated from soil sample. 26 May 1994. Australia: Macquarie Island, Tasmania.
- 8754 [CSIRO FI-1151] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 17 Aug 1995. Australia: Burdekin, Queensland.
- 8755 [CSIRO FI-1152] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 17 Aug 1995. Australia: Burdekin, Queensland.
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- 12867 [CENARGEN CG 594; IP 16] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 16 Nov 2000. Brazil: Emas National Park, Goiás. S 17° 55' 46.9", W 52° 57' 47.9". **RESTRICTED ACCESS:** *contact Curator*.
- 12868 [CENARGEN CG 599; IP 23] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 16 Nov 2000. Brazil: Emas National Park, Goiás. S 17° 54' 16.5", W 52° 54' 35.0". **RESTRICTED ACCESS:** *contact Curator*.
- 12869 [CENARGEN CG 604; IP 30] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 17 Nov 2000. Brazil: Emas National Park, Goiás. S 18° 14' 26.1", W 52° 51' 42.00". **RESTRICTED ACCESS:** *contact Curator*.
- 12871 [CENARGEN CG 608; IP 35] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 17 Nov 2000. Brazil: Emas National Park, Goiás. S 18° 10' 56.1", W 52° 44' 34.5". **RESTRICTED ACCESS:** *contact Curator*.
- 12872 [CENARGEN CG 612; IP 39] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 17 Nov 2000. Brazil: Emas National Park, Goiás. **RESTRICTED ACCESS:** *contact Curator*.
- 12873 [CENARGEN CG 614; IP 41] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 17 Nov 2000. Brazil: Emas National Park, Goiás. **RESTRICTED ACCESS:** *contact Curator*.
- 12874 [CENARGEN CG 620; IP 46] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 17 Nov 2000. Brazil: Emas National Park, Goiás. **RESTRICTED ACCESS:** *contact Curator*.
- 12875 [CENARGEN CG 657; IP 59] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 17 Nov 2000. Brazil: Emas National Park, Goiás. S 18° 15' 26.7", W 52° 54' 24.6". **RESTRICTED ACCESS:** *contact Curator*.
- 12876 [CENARGEN CG 661; IP 63] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 18 Nov 2000. Brazil: Emas National Park, Goiás. S 18° 16' 40.0", W 52° 54' 57.3". **RESTRICTED ACCESS:** *contact Curator*.
- 12877 [CENARGEN CG 667; IP 72] Isolated from cerrado soil sample using Chase medium. 18 Nov 2000. Brazil: Emas National Park, Goiás. S 18° 15' 34.9", W 53° 00' 19.6". **RESTRICTED ACCESS:** *contact Curator*.

- 12878 [CENARGEN CG 683; IP 85] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 22 Jan 2001. Brazil: northern Goiás state, Goiás. S 15° 22' 06.5", W 47° 27' 17.1. **RESTRICTED ACCESS:** *contact Curator.*
- 12879 [CENARGEN CG 693; IP 86] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 23 Jan 2001. Brazil: northern Goiás state, Goiás. S 15° 30' 33.2, W 47° 26' 20.4". **RESTRICTED ACCESS:** *contact Curator.*
- 12880 [CENARGEN CG 703; IP 96] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 23 Jan 2001. Brazil: northern Goiás state, Goiás. S 14° 09' 21.0", W 47° 32' 47.6". **RESTRICTED ACCESS:** *contact Curator.*
- 12881 [CENARGEN CG 727; IP 101] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 23 Jan 2001. Brazil: northern Goiás state, Goiás. S 14° 09' 44.6", W 47° 37' 54.0". **RESTRICTED ACCESS:** *contact Curator.*
- 12882 [CENARGEN CG 762; IP 117] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 25 Jan 2001. Brazil: northern Goiás state, Goiás. S 14° 22' 46.8", W 48° 05' 15.2". **RESTRICTED ACCESS:** *contact Curator.*
- 12883 [CENARGEN CG 763; IP 118] Isolated from cerrado soil sample using Chase medium. 25 Jan 2001. Brazil: northern Goiás state, Goiás. S 14° 25' 02.5", W 48° 05' 09.4". **RESTRICTED ACCESS:** *contact Curator.*
- 12884 [CENARGEN CG 765; IP 120] Isolated from cerrado soil sample using Chase medium. 26 Jan 2001. Brazil: northern Goiás state, Goiás. S 15° 49' 43", W 48° 59' 30.0". **RESTRICTED ACCESS:** *contact Curator.*
- 12886 [CENARGEN CG 770; IP 125] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait and using Chase medium. 26 Jan 2001. Brazil: northern Goiás state, Goiás. **RESTRICTED ACCESS:** *contact Curator.*
- 12887 [CENARGEN CG 775; IP 139] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 24 Sep 2000. Brazil: Silvânia National Forest, Goiás. S 16° 37' 55.7", W 48° 39' 08.1". **RESTRICTED ACCESS:** *contact Curator.*
- 12890 [CENARGEN CG 781; IP 151] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 24 Sep 2000. Brazil: Silvânia National Forest, Goiás. S 16° 38' 20.6", W 48° 39' 24.1". **RESTRICTED ACCESS:** *contact Curator.*
- 12907 A Khan (TAB 8) or (TA #8 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Tabaquite, Trinidad and Tobago.
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- Metarhizium anisopliae* sensu stricto** (Metschnikoff) Sorokin
[Sordariomycetes: Hypocreales]
Clavicipitaceae. These isolates have been genomically confirmed to belong in this narrowly redefined species (Bischoff et al. 2009)
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- 2518 [CP 224] *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 8 Dec 1987. New Zealand.
- 2627 [CNP AF PI-43; CP 242] DW Roberts ← Planalsucar. *Mahanarva posticata* [Hemiptera: Cercopidae]. 23 May 1988. Brazil: Usina Pedrosa, Pernambuco.
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- 7419 [CSIRO FI-0323] Larva, [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.
- 7423 [CSIRO FI-0331] Larva, [Diptera: Stratiomyidae]. 2 Jan 1989. Australia: Fairymead, Queensland.
- 7426 [CSIRO FI-0427] Larva, [Diptera: Stratiomyidae]. 14 Apr 1989. Australia: Dorvenison, Innisfail, Queensland.
- 7427 [CSIRO FI-0487] Adult, [Diptera: Stratiomyidae]. 2 Jun 1989. Australia: pupation site, Sommerfield, Queensland.
- 7428 [CSIRO FI-0488] Adult, [Diptera: Stratiomyidae]. 2 Jun 1989. Australia: pupation site, Sommerfield, Queensland.
- 7430 [CSIRO FI-0535] *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 24 Jul 1989. Australia: Kapalga, Northern Territory.
- 7432 [CSIRO FI-0610] Mound material from nest, *Coptotermes lacteus* [Isoptera: Rhinotermitidae]. 26 Mar 1990. Australia: Brown Mountain, New South Wales.
- 7450 [CSIRO FI-0976] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 11 Jun 1992. Australia: Queensland.
- 7487 [CSIRO FI-1029] IMI (168777ii). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1 Jun 1994. Ethiopia. CULTURE EX TYPE.
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- 8068 [CSIRO FI-0573] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 7 Mar 1990. Australia: Binya State Forest, Yenda, New South Wales.
- 8072 [CSIRO FI-0582] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8073 [CSIRO FI-0583] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8074 [CSIRO FI-0584] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8075 [CSIRO FI-0585] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8080 [CSIRO FI-0586] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8081 [CSIRO FI-0587] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8082 [CSIRO FI-0589] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

- 8083 [CSIRO FI-0590] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8084 [CSIRO FI-0591] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8085 [CSIRO FI-0592] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8086 [CSIRO FI-0593] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.
- 8087 [CSIRO FI-0594] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: Runnyford Bridge, South Coast, New South Wales.
- 8088 [CSIRO FI-0595] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: Runnyford Bridge, South Coast, New South Wales.
- 8089 [CSIRO FI-0596] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut?. Mar 1990. Australia: Bermagui Mill, New South Wales.
- 8090 [CSIRO FI-0597] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. Mar 1990. Australia: Beauty Point, North Bermagui, New South Wales.
- 8091 [CSIRO FI-0598] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. Mar 1990. Australia: Beauty Point, North Bermagui, New South Wales.
- 8093 [CSIRO FI-0600] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut?. 13 Mar 1990. Australia: Nowra Mill, New South Wales.
- 8094 [CSIRO FI-0601] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 14 Mar 1990. Australia: 2 km W Princes Highway near Sussex Inlet, South Coast, New South Wales.
- 8095 [CSIRO FI-0602] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 14 Mar 1990. Australia: 2 km W Princes Highway near Sussex Inlet, South Coast, New South Wales.
- 8101 [CSIRO FI-0662] 13 Jul 1990. Australia: Pearce RAAF Base, Bullsbrook, Western Australia.
- 8102 [CSIRO FI-0664] 13 Jul 1990. Australia: Paynes Find, Western Australia.
- 8216 [CSIRO FI-0711] Isolated from soil sample S5. 23 Nov 1990. Burma.
- 8500 [CSIRO FI-0522] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Jun 1989. Australia: Kingaroy, Queensland.
- 8560 [CSIRO FI-0860] *Galleria mellonella* [Lepidoptera: Pyralidae]. 11 Jun 1991. Australia: Chapman, Australian Capital Territory.
- 8561 [CSIRO FI-0861] Isolated from soil sample. 1 Jul 1991. Australia: Chapman, Australian Capital Territory.
- 8562 [CSIRO FI-0862] Isolated from soil sample. 1 Jul 1991. Australia: Chapman, Australian Capital Territory.
- 8570 [CSIRO FI-0886] *Nasutitermes exitiosus* [Isoptera: Termitidae] from inner mound material. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.
- 8571 [CSIRO FI-0887] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.
- 8572 [CSIRO FI-0888] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.
- 8574 [CSIRO FI-0890] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Stokes Bay, Kangaroo Island, South Australia.
- 8581 [CSIRO FI-0902] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.
- 8584 [CSIRO FI-0905] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.
- 8585 [CSIRO FI-0906] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.
- 8586 [CSIRO FI-0910] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.
- 8587 [CSIRO FI-0914] *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.
- 8588 [CSIRO FI-0915] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.
- 8589 [CSIRO FI-0916] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.
- 8590 [CSIRO FI-0918] *Microcerotermes* sp. [Isoptera: Termitidae]. 1 Jul 1992. Australia: Howard Springs, Northern Territory.
- 8611 [CSIRO FI-0885] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Emu Bay, Kangaroo Island, South Australia.
- 8614 [CSIRO FI-0923] 12 Jul 1992. Papua New Guinea. Light spored form of ARSEF 8612.
- 8615 [CSIRO FI-0947] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.

- 8616 [CSIRO FI-0948] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.
- 8617 [CSIRO FI-0950] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.
- 8622 [CSIRO FI-0956] 22 Jul 1992. Australia: Queensland.
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- 10474 C Thamarai Chelvi (3). Rec'd 8 Dec 2010. India: Salem Sugar Mill area, Rasipuram, Tamil Nadu.
- 10475 C Thamarai Chelvi (4). *Holotrichia consanguinea* [Coleoptera: Scarabaeidae]. 6 Apr 2010. India: Timiri village, Vellore Sugar Mill area, Vellore, Tamil Nadu.
- 10476 C Thamarai Chelvi (5). *Holotrichia serrata* [Coleoptera: Scarabaeidae]. 2 Mar 2010. India: Salem Sugar Mill area, Rasipuram, Tamil Nadu.
- 10477 C Thamarai Chelvi (6). Rec'd 8 Dec 2010.
- 12544 O Nishi (Okn5-1) and S Shimizu. Isolated from soil sample. Nov 2010. Japan: Okinawa Prefecture.
- 12545 O Nishi (Yks9-1) and S Shimizu. Isolated from soil sample. Sep 2008. Japan: Yakushima Island, Kagoshima Prefecture.
- Metarhizium anisopliae* var. *acridum*** Driver, Milner & Trueman
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Species remaining here need genomic confirmation before reassignment under classification of Bischoff et al. (2009), presumably to *M. acridum*.
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- 3606 IMI (I91-609). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Benin.
- 3614 IMI (I91-671). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 26 Feb 1992. Benin.
- 5734 ST Jaronski (SP3). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 7522 [ARSEF 324] RJ St. Leger. Feb 1979. Australia: Queensland.
- 7970 [CSIRO FI-985] *Austracris guttulosa* [Orthoptera: Acrididae]. 29 Aug 1992. Australia: Rockhampton, Queensland. This is the active ingredient in Green Guard, an Australian biocontrol product.
- 8359 [CSIRO FI-0985] DEN Rangel and DW Roberts (F985). *Austracris guttulosa* [Orthoptera: Acrididae]. Rec'd 20 Feb 2007. Australia: Rockhampton, Queensland. **RESTRICTED ACCESS: consult Curator.**
- 8360 DEN Rangel and DW Roberts. Rec'd 20 Feb 2007. Patented, commercialized strain, Green Guard? biological pesticide. **RESTRICTED ACCESS: consult Curator.**
- Metarhizium anisopliae* var. *anisopliae***
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Species remaining here need genomic confirmation before reclassification under the classification of Bischoff et al. (2009).
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- 6550 D Chandler (HRI 331.92). Larva, *Eumerus strigatus* [Diptera: Syrphidae]. Rec'd 13 Jul 2000. United Kingdom.
- Metarhizium anisopliae* var. *lepidiotae*** Driver, Milner & Trueman
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Species remaining here need genomic confirmation before reclassification under the emergent classification of Bischoff et al. (2009), presumably to *M. lepidiotae*.
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- 7453 [ARSEF 7488; CSIRO FI-1042] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland.
- 8732 [CSIRO FI-0147] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 29 May 1986. Australia: Mossman, Queensland. CULTURE EX TYPE.
- Metarhizium brasiliense*** Kepler, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Formerly treated as *Metarhizium flavoviride* "Type E" by Driver, Milner & Trueman (2000, Mycol Res 104: 134-150). EX-TYPE CULTURE
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- 2948 [CP 271] SP Wraight ← LG Leite. [Hemiptera: Cicadellidae]. 30 Apr 1989. Brazil: Campinas, São Paulo. CULTURE EX TYPE.
- Metarhizium brunneum*** Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Restored from synonymy variously with *M. anisopliae* and *M. album* as part of the genomic classification of Bischoff et al. (2009).
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- 346 [CSIRO FI24] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. Acc'd 4 Apr 1980. Australia: Adelaide, South Australia.
- 455 [QEC 410.0] RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.
- 472 [CSIRO FI55; DAR 29768] J Walker ← A Wescott. [Coleoptera: Scarabaeidae]. Sep 1977. Australia: BCRI, R.D. 66, Rydalmere, New South Wales.
- 817 GG Soares (17). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.
- 820 GG Soares (A7) ← M Marchal. 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jan 1982. France: Angers, Maine-et-Loire.

- 988 J Aoki (Met. 1). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.
- 1066 [ARSEF ?397] TJ Poprawski ← S Keller (92). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 29 May 1981. Switzerland: Iselisberg.
- 1095 DW Roberts ← S Keller (Ma 43). *Carpocapsa pomonella* [Lepidoptera: Olethreutidae]. Acc'd 16 Feb 1984. Austria. Strong destruxin producer.
- 1112 KV Deseö (32B) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Modena, Emilia-Romagna.
- 1116 KV Deseö (40B) ← Celli. Pupa, *Leucoptera scitella* [Lepidoptera: Lyonetiidae]. Aug 1982. Italy: Ravenna, Emilia-Romagna.
- 1187 [INRA Ma-23] TJ Poprawski ← GCN Latch. *Oxyacanrus* sp. [Lepidoptera: Hepialidae]. 20 Jan 1966. New Zealand: Palmerston North, North Island.
- 1278 IMI (170289) ← GL Barron. Soil. 1973. Canada.
- 2042 [IMI 113863] MC Rombach ← GL Barron (10277). Peat soil in cedar bog. 1960. Canada: Guelph, Ontario.
- 2107 [CBS 316.51; IMI 014746; NRRL 1944; QM 191] MC Rombach ← KB Raper and LP Rockwood. Larva, *Agriotes* sp. [Coleoptera: Elateridae]. 29 Jun 1933. USA: Forest Grove, Oregon. CULTURE EX TYPE.
- 2210 [ARSEF 2225] MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwurung (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.
- 2224 MC Rombach (140486). [Coleoptera: Curculionidae]. 14 Apr 1986. Indonesia.
- 2742 GW Riethmacher (B4T8). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.
- 2764 SR Sánchez Peña (1). Dermaptera isolate passed through *Pogonomyrmex* sp. [Hymenoptera: Formicidae]. 22 Apr 1987. Mexico: Tecomán, Colima.
- 2974 C López Lastra. Adult, *Aedes crinifer* [Diptera: Culicidae]. 30 Nov 1988. Argentina: Los Talas, Berisso, Buenos Aires.
- 3045 WE Jones (FST). *Coptotermes formosanus* [Isoptera: Rhinotermitidae]. May 1990. USA: Oahu, Hawaii.
- 3294 J Gutierrez Samperio (10) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1989. Mexico: Colima.
- 3295 J Gutierrez Samperio (11) ← ERD Reyes. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on soybeans. 1987. Mexico: Tamaulipas.
- 3297 J Gutierrez Samperio (13) ← ERD Reyes. *Boophilus* sp. [Acari: Ixodidae] on cow. 1987. Mexico: Colima.
- 3738 SR Sánchez Peña. Alate, *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 6 Jul 1992. USA: Texas A&M University campus, College Station, Texas.
- 3826 CF Andrade (IF#2). Larva, *Ochlerotatus triseriatus* [Diptera: Culicidae]. 11 May 1992. USA: Stair Park, Vestal, NY.
- 3864 LA Lacey (92141). *Popillia japonica* [Coleoptera: Scarabaeidae]. 22 Oct 1992. Portugal: Terceira Island, Azores.
- 4020 T Steenberg (211) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Jul 1990. Denmark: Silkeborg, Århus.
- 4125 [DAT 2] AC Rath (F124). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 2 May 1986. Australia.
- 4131 [DAT 10] AC Rath (F010). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Waitpinga, South Australia.
- 4152 [DAT 147] AC Rath (F147) ← H Yip (HY214). Soil. 26 Oct 1988. Australia: Buckland, Tasmania.
- 4158 [DAT 166] AC Rath (F166) ← H Yip (HY195). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.
- 4164 [DAT 192] AC Rath (F192) ← H Yip (HY169). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4168 [DAT 196] AC Rath (F196) ← H Yip (HY165). Soil. 20 Sep 1994. Australia: Frankford, Tasmania.
- 4176 [DAT 205] AC Rath (F205) ← H Yip (HY157). Soil. 9 Sep 1988. Australia: Beechford, Tasmania.
- 4179 [DAT 208] AC Rath (F208) ← H Yip (HY153). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.
- 4228 [CRI 35-79; DAT 120] AC Rath (F120) ← AT Gillespie. Larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 28 Jan 1988. Australia: Crops Research Inst..
- 4251 [DAT 213] AC Rath (F213) ← H Yip (HY148). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.
- 4556 [DAT 506; IMI 384583] AC Rath (F506). *Boophilus* sp. [Acari: Ixodidae]. 29 Sep 1993. USA: Florida.
- 4615 [DAT 369] AC Rath (F369) ← H Yip (HY229). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.
- 4681 [DAT 508] AC Rath (F508). Larva, *Wiseana* sp. [Lepidoptera: Hepialidae]. 17 Nov 1993. New Zealand: Waitati, Dunedin, South Island.
- 5198 RA LeBrun (Bio 1020). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 20 May 1996. Germany.
- 5625 I Vänninen (SF85-56). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 10 Aug 1985. Finland: Toholampi, Vaasan Lääni.
- 5626 I Vänninen (SF86-38). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. Aug 1986. Finland: Pälkäne, Hämeen Lääni.
- 5751 MCHCA Bernal (MaPL40). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1996. Mexico: Isla Socorro, Colima.
- 5851 T Steenberg (SSL 248). [Araneida] on *Medicago sativa*. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.

- 6120 C López Lastra. Larva, *Diloboderus abderus* [Coleoptera: Scarabaeidae] from soil. Nov 1996. Argentina: Lincoln, Buenos Aires.
- 6392 TL Dubois (VD 5 rep b) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Rec'd 22 Dec 1999. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.
- 6474 I Klingen (SKA.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Sep 1999. Norway: Skavanget.
- 6477 I Klingen (HAG.99). Larva, *Phyllopertha horticola* [Coleoptera: Scarabaeidae] in lawn. 18 Sep 1999. Norway: Moss, Østfold.
- 7234 AE Hajek (VD-1) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] reared from wood collected in Chicago, IL. Rec'd 5 Jan 2004. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.
- 7433 [CSIRO FI-0692] 8 Sep 1990. Burma.
- 7434 [CSIRO FI-0694] Aug 1990. Burma.
- 7711 [I Earth BioScience F52; IMI 385045] T Corell. Rec'd 1 Jun 2005. Austria. **RESTRICTED ACCESS:** consult Curator.
- 8069 [CSIRO FI-0574] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 13 Mar 1990. Australia: 16 km north of Goulburn, Goulburn, New South Wales.
- 8415 AE Hajek (FS6). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Mar 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.
- 8416 AE Hajek (VD3). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 26 Sep 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.
- 8417 AE Hajek (VD7). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 20 Jul 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.
- 8418 AE Hajek (VD8). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 10 Jul 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.
- 8419 AE Hajek (VD9). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 8 Jul 1999. USA: Quarantine colony, Ansonia, Connecticut.
- 8515 [CSIRO FI-0774] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8534 [CSIRO FI-0786] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8536 [CSIRO FI-0791] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8537 [CSIRO FI-0792] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8608 [CSIRO FI-0896] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.
- 8671 Z Demirbag (KTU-60). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüşhane. Identification confirmed by gene sequences.
- 9608 T Myles (G55ai). Rec'd 16 Mar 2010. Canada: Guelph, Ontario.
- 12546 O Nishi (Hkd25-1) and S Shimizu. Isolated from soil sample. Mar 2009. Japan: Hokkaido Prefecture.
- 12547 O Nishi (Hkd7-1) and S Shimizu. Isolated from soil sample. Mar 2009. Japan: Hokkaido Prefecture.
- 12548 O Nishi (Yks1-1) and S Shimizu. Isolated from soil sample. Sep 2008. Japan: Yakushima Island, Kagoshima Prefecture.
- Metarhizium carneum*** (Duché & R Heim) A.H.S. Br. & G. Sm.
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonyms: *Spicaria carnea* Duché & R Heim; *Paecilomyces carneus* (Duché & R Heim) AHS Br. & G. Sm.
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- 10232 [ERL 1898] S Gouli (Thr.-10-106) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.
- 10233 [ERL 1899] S Gouli (Thr.-10-107) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.
- 10243 2010.
- 10244 2010.
- 10245 2010.
- 10246 2010.
- 10254 2010.
- 10255 2010.
- 11821 [ERL 2018] S Gouli (THR-11-10) and V Gouli. [Thysanoptera: Thripidae]. 2011. USA: Richford, Vermont.
- 11836 [ERL 2048] S Gouli (THR-11-37) and V Gouli. [Coleoptera: Staphylinidae]. 2011. USA: Sharon Springs, New York.
- Metarhizium cylindrosporum*** QT Chen & HL Guo
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Previously: *Nomuraea cylindrospora* (QT Chen & HL Guo) Tzean, Hsieh, Chen & Wu
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- 6926 [CBS 256.90] SS Tzean (PPH 13E). *Pomponia linearis* [Hemiptera: Cicadidae]. 1 Jun 1990. Republic

of China: Wulai, Taipei, Taiwan. CULTURE EX TYPE.

Metarhizium flavoviride W Gams & Rozsypal

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 1184 [ARSEF 2024; CBS 700.74; INRA Mf-88] TJ Poprawski ← P Ferron. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jan 1974. France: Brittany, Morbihan. Genomically verified (see Bischoff et al. 2009).
- 2024 [ARSEF 1184; INRA Mf-88] CBS (700.74) ← P Ferron. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Acc'd 23 Oct 1985. France: Brittany, Morbihan. Genomically verified (see Bischoff et al. 2009).
- 2025 CBS (125.65) ← W Gams and J Rozsypal. Brassica oleracea (agricultural soil). 1963. Germany: Kiel-Kitzeberg. Genomically verified (see Bischoff et al. 2009).
- 2026 CBS (473.73) ← W Gams and J Rozsypal ← JW Veenbaas-Rijks. Field soil. 1973. Netherlands. Genomically verified (see Bischoff et al. 2009).
- 2133 [CBS 218.56; IMI 170146] ATCC (32969) ← J Rozsypal. Larvae & pupae, *Ceutorhynchus macula-alba* [Coleoptera: Curculionidae]. 1956. Czech Republic. CULTURE EX TYPE. Never observed to sporulate.
- 4221 [DAT 247] AC Rath (F247) ← H Yip (HY114). Soil. 8 Jul 1988. Australia: Latrobe, Tasmania. Genomically verified (see Bischoff et al. 2009).
- 4272 [DAT 210] AC Rath (F210) ← H Yip (HY151). Soil. 23 Aug 1988. Australia: Smithton, Tasmania. Genomically verified (see Bischoff et al. 2009).
- 4304 [DAT 393] AC Rath (F393) ← H Yip (HY253). Soil. Rec'd 6 Jun 1994. Australia: Smithton, Tasmania. Not verified by gene sequence data.
- 4719 [DAT 130] AC Rath (F130). Adult, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1 Sep 1988. Australia: Campbelltown, Tasmania. Genomically verified (see Bischoff et al. 2009).
- 4720 [DAT 133] AC Rath (F133). Adult, *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1 Sep 1988. Australia: Mt. Morriston, Ross, Tasmania. Not genomically verified by sequence data.
- 4727 [DAT 193] AC Rath (F193) ← H Yip (HY168). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania. Genomically verified (see Bischoff et al. 2009).
- 4729 [DAT 238] AC Rath (F238) ← H Yip (HY123). Soil. 7 Aug 1988. Australia: Tasmania. Genomically verified (see Bischoff et al. 2009).
- 4730 [DAT 256] AC Rath (F256) ← H Yip (HY104). Soil. 8 Jun 1988. Australia: Sorell, Tasmania. Genomically verified (see Bischoff et al. 2009).
- 6416 EA Ouna (Sudan P1 (b)). Rec'd 22 Dec 1999. Not verified by gene sequence data.

8737 [CSIRO FI-1002] *Lachnosterna bidentata* [Coleoptera: Scarabaeidae]. 11 May 1993. Malaysia: Tapah. Not verified by gene sequence data.

8758 [CSIRO FI-1155] *Chortoicetes terminifera* [Orthoptera: Acrididae]. 12 Jan 1996. Australia: Ravensworth, Hunter Valley, New South Wales. Not verified by gene sequence data.

Metarhizium frigidum Bischoff & Rehner in Bischoff,

SA Rehner & Humber

[Sordariomycetes: Hypocreales]

Clavicipitaceae. See Mycologia 98: 737-745 (2006). Genomically verified by at least 5'-TEF sequence data

- 4124 [DAT 1] AC Rath (F001) ← Reinganum (124). Larva, *Adoryphorus* sp. [Coleoptera: Scarabaeidae]. 10 Jun 1994. Australia: Ballarat, Victoria. CULTURE EX TYPE.
- 4219 [DAT 175] AC Rath (F175) ← H Yip (HY186). Soil. 5 Oct 1988. Australia: Gardners Bay, Tasmania.
- 4277 [DAT 234] AC Rath (F234) ← H Yip (HY127). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.
- 4294 [DAT 281] AC Rath (F281) ← H Yip (HY79). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca.
- 4561 [DAT 385] AC Rath (F385) ← H Yip (HY245). Soil. 1989. Australia: Liawenee, Tasmania.
- 4680 [DAT 176] AC Rath (F176) ← H Yip (HY185). Soil. 5 Oct 1988. Australia: Cygnet, Tasmania.
- 4765 [DAT 412] AC Rath (F412) ← H Yip (HY272). Soil. 3 Nov 1988. Australia: Stonehouse, Tasmania.
- 7436 [CSIRO FI-0733] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound F (F5). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7437 [CSIRO FI-0737] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7438 [CSIRO FI-0746] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7439 [CSIRO FI-0747] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F 11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7440 [CSIRO FI-0748] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound G (G3). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7441 [CSIRO FI-0758] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

- 7442 [CSIRO FI-0761] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G15). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7443 [CSIRO FI-0764] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7444 [CSIRO FI-0776] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound I (I12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7445 [CSIRO FI-0777] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound I (I18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7446 [CSIRO FI-0783] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound H (H16). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7447 [CSIRO FI-0785] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound J (J11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 7448 [CSIRO FI-0793] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- Metarhizium globosum*** JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Recognized as part of an emergent genomic reclassification by Bischoff et al. (2009).
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- 2596 RC Rajak (ENT/12). *Pyrausta machaeralis* [Lepidoptera: Pyralidae] on teak, *Tectona grandis*. Acc'd 12 Sep 1988. India. CULTURE EX TYPE.
- Metarhizium guizhouense*** QT Chen & HL Guo
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Segregated from the *M. anisopliae* species complex as part of genomic reclassification of Bischoff et al. (2009), and all isolates genomically verified. Synonym: *M. taii* ZQ Liang & AY Liu. Teleomorph: *Cordyceps taii* ZQ Liang & AY Liu. Isolates genomically verified by at least 5'-TEF sequence data
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- 683 [QEC 433.0] DW Roberts (102381-9). Larva, [Coleoptera: Scarabaeidae] in sugar cane. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.
- 703 RS Soper. *Bombyx mori* [Lepidoptera: Bombycidae]. 11 Nov 1981. PR China: Hangzhou, Zhijiang.
- 819 GG Soares (21) ← JP Aeschlimann. 5th instar larva, *Sitona discoideus* [Coleoptera: Curculionidae]. 29 Mar 1982. France: Montpellier, Hérault.
- 977 [GCRI 134-82] RA Hall ← A Vey. *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France.
- 1092 DW Roberts ← K Kawakami (621). Soil. 22 Aug 1983. Japan.
- 1093 DW Roberts ← K Kawakami (773). Soil. 1982. Japan.
- 2140 T Searle (N). Larva, [Lepidoptera: Noctuidae]. Jul 1985. Canada: Southern Québec.
- 3603 IMI (152222) ← Deshpande. *Myllocerus discolor* [Coleoptera: Curculionidae]. Rec'd 26 Feb 1992. India: Mudigere.
- 3611 [CSIRO FI 1033] IMI (I91-633). *Pseudosphingonotus savignyi* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Oman.
- 4153 [DAT 148] AC Rath (F148) ← H Yip (HY213). Soil. 26 Oct 1988. Australia: Bracknell, Tasmania.
- 4303 [DAT 278] AC Rath (F278) ← H Yip (HY82). Soil. Rec'd 6 Jun 1994. Australia: Campbelltown, Tasmania.
- 4321 [DAT 375] AC Rath (F375) ← H Yip (HY235). Soil. Rec'd 6 Jun 1994. Australia: Cleveland, Tasmania.
- 4588 [DAT 47] AC Rath (F047) ← RJ Milner (FI123). Host not specified. 20 Oct 1987. Australia: New South Wales.
- 4604 [DAT 473] AC Rath (F473) ← W Theunis (PNG 1). *Papuana woodlarkiana* [Coleoptera: Scarabaeidae]. 22 Jun 1993. Papua New Guinea: Lae, Morobe Province.
- 5714 JM Sung. Rec'd 11 May 1998.
- 6238 [RCEF 0262] Pupa, [Lepidoptera]. 30 Jun 1996. PR China: Anhui.
- 7420 [CSIRO FI-0327] Larva, [Diptera: Stratiomyidae]. 20 Jan 1989. Australia: Walkers Point, Queensland.
- 7502 CSIRO (FI-1417). AMMRL 154.03. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.
- 7507 [CSIRO FI-1469] Isolated from soil sample 6E-1. 12 May 2003. Republic of Kiribati.
- 12552 O Nishi (Hkd25-2) and S Shimizu. Isolated from soil sample. Mar 2009. Japan: Hokkaido Prefecture.
- 12553 O Nishi (Myg2-1) and S Shimizu. Isolated from soil sample. Jul 2008. Japan: Miyagi Prefecture.
- Metarhizium koreanum*** Kepler, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Identifications are genomically confirmed (see Kepler et al., 2014, Mycologia 106: 811-29).
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- 2038 MC Rombach (161085-35) ← SB Ahn (D2-4). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. 16 Oct 1985. Republic of Korea. CULTURE EX TYPE.
- 2039 MC Rombach (161085-36) ← SB Ahn (E2-13). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. 16 Oct 1985. Republic of Korea.

Metarhizium lepidiotae (Driver & Milner) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Synonym: *M. anisopliae* var. *lepidiotae* Driver et al. (2000; as var. *lepidiotum*). Identifications genomically verified by at least 5'-TEF sequence data.

4154 [DAT 151] AC Rath (F151) ← H Yip (HY210). Soil. 26 Oct 1988. Australia: Deloraine, Tasmania.

4587 [DAT 476] AC Rath (F476) ← W Theunis (PNG 3B). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea.

4660 [DAT 475] AC Rath (F475) ← W Theunis (PNG 2B). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea: Lae, Morobe Province.

7411 [CSIRO FI-0151] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.

7412 [CSIRO FI-0152] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.

7488 [ARSEF 7453; CSIRO FI-1042] *Dermolepida al-bohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland. CULTURE EX TYPE used by Driver et al. (2000) to describe *Metarhizium anisopliae* var. *lepidiotae*.

8064 [CSIRO FI-0568] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from wood block. 21 Feb 1990. Australia: sawmill, Batemans Bay, New South Wales.

8502 [CSIRO FI-0560] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 12 Jan 1990. Australia: Cotter, Australian Capital Territory.

12554 O Nishi (Ngs1-1) and S Shimizu. Isolated from soil sample. May 2008. Japan: Nagasaki Prefecture.

12555 O Nishi (Yks4-2) and S Shimizu. Isolated from soil sample. Sep 2008. Japan: Yakushima Island, Kagoshima Prefecture.

Metarhizium majus (JR Johnston) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Synonym: *M. anisopliae* var. *majus* (JR Johnston) MC Tulloch. If this taxon is verified to be the anamorphic state of the teleomorph now classified as *Metarhizium brittlebankisoides* (Zuo Y Liu, ZQ Liang, Whalley, YJ Yao & AY Liu) Kepler, SA Rehner & Humber, the latter name would hold nomenclatural priority as the correct name for this fungus. Isolates verified genomically by at least 5'-TEF sequence data.

297 KJ Marschall. Larva, *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. 22 Nov 1978. Western Samoa: Apia.

298 RS Soper. Larva, *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. Acc'd 22 Feb 1979. Western Samoa: Apia.

473 [DAR 28052; QEC 429.0] J Walker ← G Johnson. Soil under *Eucalyptus* sp. Jan 1973. Australia: Canberra, Australian Capital Territory.

978 [GCRI 148-82] RA Hall ← A Vey. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France.

1015 J Aoki (Met. 4) ← T Kushida. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Hachioji, Tokyo Prefecture.

1383 Acc'd 26 Jun 1984. Location not specified.

1858 DW Roberts (Pol-42). [Coleoptera: Scarabaeidae]. Acc'd 19 Mar 1985. Poland.

1859 DW Roberts (Pol-32). [Coleoptera: Scarabaeidae]. Acc'd 19 Mar 1985. Poland.

1914 MC Rombach. Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Apr 1985. Philippines: nr. Tiaong Experimental Station, Quezon. Ex-epitype isolate for this species.

1946 MC Rombach (MMQ). *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Acc'd 11 Sep 1985. Philippines: Tiaong Experimental Station, Quezon.

2151 MC Rombach (170386-1). Larva, *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. 17 Mar 1986. Indonesia: Ciamis, Jawa Barat, Java.

2808 GW Riethmacher (B16m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 22 May 1989. Philippines: Atimonan, Quezon.

3145 INRA (Ma-51) ← A Glandard. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Jan 1971. France: La Minière.

4566 [DAT 514] AC Rath (F514). Larva, *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Leighlands, New England, New South Wales.

4601 [DAT 515] AC Rath (F515). Larva, *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New South Wales.

7505 [CSIRO FI-1449] *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 12 Jun 2001. Australia: Northern Queensland, Queensland.

8736 [CSIRO FI-1000] *Spodoptera* sp. [Lepidoptera: Noctuidae]. 11 May 1993. Malaysia: Cameron Highlands.

12556 O Nishi (Fkk38-1) and S Shimizu. Isolated from soil sample. Mar 2010. Japan: Fukuoka Prefecture.

12557 O Nishi (Hn1) and S Shimizu. *Protaetia orientalis submarumorea* [Coleoptera: Scarabaeidae]. Mar 2010. Japan: Fukuoka Prefecture.

12558 O Nishi (Kkj2-1) and S Shimizu. Isolated from soil sample. Mar 2009. Japan: Kikai-jima Island, Kagoshima Prefecture.

12559 O Nishi (Kmm6-1) and S Shimizu. Isolated from soil sample. Apr 2008. Japan: Kumamoto Prefecture.

12560 O Nishi (Myz9-2) and S Shimizu. Isolated from soil sample. Apr 2008. Japan: Miyazaki Prefecture.

12561 O Nishi (Oit8-3) and S Shimizu. Isolated from soil sample. Jun 2008. Japan: Oita Prefecture.

- 12562 O Nishi (Sag14-1) and S Shimizu. Isolated from soil sample. Jun 2008. Japan: Saga Prefecture.
- Metarhizium marquandii*** (Masse) Kepler, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonyms: *Verticillium marquandii* Masse; *Paecilomyces marquandii* (Masse) S Hughes
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- 3855 [JB Tavares BRA-000167] MS Tigano-Milani (CG-371). Rec'd 13 Jan 1993. Brazil.
- 9527 [SRCAMB AS-528] V Likhovidov. Isolated from soil sample. 29 Aug 2004. Russian Federation: Krasnodarsky Krai. Field Collection Number F-970.
- 9529 [SRCAMB AS-433] V Likhovidov. Isolated from soil sample. Aug 1999. Russian Federation: Tver Region. Field Collection Number F-266.
- 9530 [SRCAMB AS-582] V Likhovidov. Isolated from soil sample. 16 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-784.
- 9928 [ERL 1772] S Gouli (Thr.-09-4) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- 9929 [ERL 1773] S Gouli and V Gouli (Thr.-09-5). [Thysanoptera: Thripidae]. 2010. USA: Vermont.
- Metarhizium minus*** (Rombach, Humber & DW Roberts) Kepler, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Basionym: *Metarhizium flavoviride* var. *minus* Rombach, Humber & DW Roberts
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- 1099 DW Roberts (A8). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila. Identification genomically verified by at least 5'-TEF sequence data.
- 1271 DW Roberts (S). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Aug 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila. Identification genomically verified by at least 5'-TEF sequence data.
- 1272 DW Roberts (Bq). Biotype 2, *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila. Identification genomically verified by at least 5'-TEF sequence data.
- 1273 DW Roberts (T2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.
- 1274 DW Roberts (BPH-5). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1275 DW Roberts (BPH-8). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1276 DW Roberts (IV). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Sep 1983. Philippines: Plant Breeding, IRRI, Los Baños, Manila.
- 1277 DW Roberts (I). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Breeding, IRRI, Los Baños, Manila.
- 1279 DW Roberts (IX). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.
- 1283 DW Roberts (VII). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Field, IRRI, Los Baños, Manila.
- 1287 DW Roberts (BPH-10). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1288 DW Roberts ((i)I). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.
- 1289 DW Roberts (BPH-7). Biotype 3, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1291 DW Roberts (A1). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1292 DW Roberts (C). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.
- 1293 DW Roberts (H). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.
- 1294 [ARSEF ?1295] DW Roberts (BPH-3[?]). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1295 [ARSEF ?1294] DW Roberts (BPH-3[?]). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.
- 1296 DW Roberts (BPH-6). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1297 DW Roberts (A9). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1301 DW Roberts (VI). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.
- 1302 DW Roberts (5A). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1303 DW Roberts (A10). Biotype 1, *Nilaparvata lugens* [Hemiptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.
- 1305 DW Roberts (R). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.
- 1546 MC Rombach (Lib.11) ← RM Aguda. *Recilia dorsalis* [Hemiptera: Cicadellidae] on rice. 1983. Philippines: Bicol region.

- 1547 MC Rombach (Lib.16) ← RM Aguda. *Recilia dorsalis* [Hemiptera: Cicadellidae] on rice. 1983. Philippines: Bicol region.
- 1763 [ATCC 200913] MC Rombach ← T Ho (Sol-31). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal. Identification genomically verified by at least 5'-TEF sequence data.
- 1764 MC Rombach ← T Ho (Sol-3). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1765 MC Rombach ← T Ho (Sol-28). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1766 MC Rombach ← T Ho (Sol-5). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1767 MC Rombach ← T Ho (Sol-17). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1768 MC Rombach ← T Ho (Sol-7). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1769 MC Rombach ← T Ho (Sol-14). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1770 MC Rombach ← T Ho (Sol-30). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1771 MC Rombach ← T Ho (Sol-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1772 MC Rombach ← T Ho (Sol-11). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1773 MC Rombach ← T Ho (Sol-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.
- 1945 MC Rombach (MALBIRRI). *Nephotettix virescens* [Hemiptera: Cicadellidae]. Acc'd 11 Sep 1985. Philippines: IRRI, Los Baños, Manila. Identification genomically verified by at least 5'-TEF sequence data.
- 2023 CBS (544.81) ← HC Evans. [Orthoptera: Acrididae]. 1981. Ecuador: Santa Fe Island, Galapagos Islands.
- 2037 MC Rombach (051185-4). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 Nov 1985. Philippines: IRRI, Los Baños, Manila. CULTURE EX TYPE.
- 2339 MC Rombach (120186-2). [Hemiptera: Cicadellidae] on rice. 12 Jan 1986. Philippines: Palawan.
- 6593 [IITA 189] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: N'Dali, Borgou.
- 6594 [IITA 190] A Cherry. Abandoned *Macrotermes* termite mound. Rec'd 18 Sep 2000. Benin: Sassaduro, Alibori, Borgou.
- 6595 [IITA 191] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Kpebie, Perere, Borgou.
- 6596 [IITA 192] A Cherry. From bark mixed with sand. Rec'd 18 Sep 2000. Benin: Koda, Tchaourou, Borgou.
- 6599 [IITA 195] A Cherry. From plant fragments. Rec'd 18 Sep 2000. Benin: Djidja, Zou.
- 6601 [IITA 197] A Cherry. From soil. Rec'd 18 Sep 2000. Benin: Kpassagon, Zou.
- Metarhizium novozealandicum*** Kepler, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Basionym: *Metarhizium flavoviride* var. *novozealandicum* Driver & RJ Milner. Isolates with genomic confirmation of this identification are noted individually.
- 3056 [MAF F11] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: Canterbury Plains, South Island. Genomically verified by at least 5'-TEF sequence data.
- 3064 [MAF F25] T Glare. Larva, [Lepidoptera: Crambidae]. Rec'd Oct 1990. New Zealand: Christchurch, South Island. Genomically verified by at least 5'-TEF sequence data.
- 4661 [DAT 220] AC Rath (F220) ← H Yip (HY141). Soil. 23 Mar 1988. Australia: Burnie, Tasmania.
- 4674 [DAT 368] AC Rath (F368) ← H Yip (HY228). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.
- 8214 [CSIRO FI-0702] Larva, [Lepidoptera: Crambidae]. 8 Oct 1990. New Zealand: Christchurch, South Island.
- 8750 [CSIRO FI-1124] Isolated from soil sample. 26 May 1994. Australia: Macquarie Island, Tasmania.
- Metarhizium pemphigi*** (Driver & RJ Milner) Kepler SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Basionym: *Metarhizium flavoviride* var. *pemphigum* Driver & RJ Milner. All isolates genomically verified by at least 5'-TEF sequence data.
- 794 GA Kuter (300). Leaf litter under sugar maple. 1975. USA: Abraham's Woods, University of Wisconsin Arboretum, Green County, Wisconsin.
- 6569 D Chandler (HRI 99.82). *Pemphigus trehernei* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom: coastal salt marshes, Norfolk, England.
- 7491 [CSIRO FI-1101] *Pemphigus* sp. [Hemiptera: Aphididae]. 12 May 1994. United Kingdom: Norfolk, England.
- 9358 T Myles (Guelph RF-08a). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Summer 2008. Canada: Woolwich Termite Management Area (sector 7), Guelph, Ontario. Genomically verified by MJ Bidochka.
- 12549 O Nishi (Fkk67-2) and S Shimizu. Isolated from soil sample. Sep 2010. Japan: Fukuoka Prefecture.

- 12550 O Nishi (Hkd27-1) and S Shimizu. Isolated from soil sample. Mar 2009. Japan: Hokkaido Prefecture.
- 12551 O Nishi (Yks3-2) and S Shimizu. Isolated from soil sample. Sep 2008. Japan: Yakushima Island, Kagoshima Prefecture.
- Metarhizium pingshaense*** QT Chen & HL Guo
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Genomically confirmed in accord with the reclassification of Bischoff et al. (2009).
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- 436 SJ Gagen (2). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Hexham, Victoria.
- 437 SJ Gagen (3). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia.
- 439 SJ Gagen (5). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Byaduck, Victoria.
- 443 SJ Gagen (9). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Camperdown, Victoria.
- 444 SJ Gagen (10). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Byaduck, Victoria.
- 446 SJ Gagen (12). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Mortlake, Victoria.
- 456 [QEC 411.0] RS Soper. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.
- 538 DW Roberts. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. 20 Aug 1980. Thailand.
- 552 DW Roberts ← MA Naves. *Galactica* sp. [Lepidoptera]. Nov 1980. Brazil: Brasília, Distrito Federal.
- 576 [QEC 427.0] RS Soper (8133-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.
- 588 [QEC 431.0] JM Lenné (E1). Soil. Rec'd 13 Apr 1981. Colombia: Espinal, Tolima.
- 712 DW Roberts. 7 May 1981. PR China.
- 1009 J Aoki (Met. 5) ← K Kojo. *Ornebius kanetataki* [Orthoptera: Gryllidae]. Jul 1976. Japan: Fuchu, Tokyo Prefecture.
- 1011 J Aoki (Met. 8). Soil. Aug 1982. Japan: Fuchu, Tokyo Prefecture.
- 1448 [CNPAF 83-12-27; CP 122] E Ferreira. *Scaptocres castanea* [Hemiptera: Cydnidae]. 27 Dec 1983. Brazil: Goiatuba, Goiás.
- 1545 MC Rombach (Ma Pal.II). Adult, *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. Jun 1984. Philippines: Brooke's Point region, Palawan.
- 1724 DW Roberts (29103) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1725 DW Roberts (291017) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1726 DW Roberts (291013) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1727 DW Roberts (291015) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1728 DW Roberts (291001) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1729 DW Roberts (2910B) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1744 DW Roberts (291014) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 1823 DW Roberts (29103b) and MC Rombach. *Nilaparvata lugens* [Hemiptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.
- 2043 MC Rombach (061185-1). *Nephotettix cincticeps* [Hemiptera: Cicadellidae]. 6 Nov 1985. Philippines: IRRI field, Los Baños, Manila.
- 2106 DG Holdom (100286-3). *Nephotettix virescens* [Hemiptera: Cicadellidae]. 10 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2162 BN Muthappa (PNG 12721). Larva, [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2231 K Narayanan (7). *Zygogramma bicolorata* [Coleoptera: Chrysomelidae]. Rec'd 27 Aug 1986. India.
- 2735 GW Riethmacher (Ma1). *Spodoptera* sp. [Lepidoptera: Noctuidae]. 29 Dec 1988. Philippines: La Trinidad, Benguet.
- 2809 GW Riethmacher (B17b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 5 Jun 1989. Philippines: La Trinidad, Benguet.
- 3044 WE Jones (WSP). Soil from sweet potato crop. Mar 1990. USA: Oahu, Hawaii.
- 3180 GW Riethmacher (B34). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 1 Mar 1990. Philippines: Louisiana, Laguna.
- 3193 GW Riethmacher (B45b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 28 May 1990. Philippines: Villiasis, Pangasinan.

- 3210 RC Rajak (49). [Coleoptera]. Rec'd 3 Jun 1991. India.
- 3604 IMI (298059). *Scapanes australis* [Coleoptera: Scarabaeidae]. Rec'd 26 Feb 1992. Papua New Guinea.
- 3605 [CSIRO FI 1039] IMI (190-574). *Acrotylus* sp. [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Pakistan.
- 3610 [CSIRO FI 208] IMI (I91-625). *Pseudosphingonotus savignyi* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Oman.
- 4290 [DAT 493] AC Rath (F493) ← W Theunis (SOL IS 17). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4340 [DAT 489] AC Rath (F489) ← W Theunis (SOL IS 14). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4342 [DAT 491] AC Rath (F491) ← W Theunis (SOL IS 15). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.
- 4366 LA Lacey (94116). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4369 LA Lacey (94119). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4450 LA Lacey (94105). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4557 [DAT 481] AC Rath (F481). Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 4610 [DAT 480] AC Rath (F480) ← W Theunis (SOL IS 4). Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.
- 5197 M Browning ← RA LeBrun ← CW McCoy (Mada). *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 20 May 1996. USA: Florida.
- 7410 [CSIRO FI-0114] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 30 Oct 1985. Australia: The Hummock, Bundaberg, Queensland.
- 7414 [CSIRO FI-0203] Larva, [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Firran, New South Wales.
- 7415 [CSIRO FI-0206] *Phaulacridium vittatum* [Orthoptera: Acrididae]. Spring 1987. Australia: Gininderra Experiment Station, Gininderra, New South Wales.
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- 8062 [CSIRO FI-0565] *Drepanotermes perniger* [Isoptera: Termitidae] from rubbish gallery. 22 Jan 1990. Australia: Beelbanger, New South Wales.
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- 8097 [CSIRO FI-0655] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 5 Apr 1990. Australia: 15 km west, Inverell, New South Wales.
- 8217 [CSIRO FI-0713] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8218 [CSIRO FI-0714] Isolated from soil sample S15. 6 Dec 1990. Burma.
- 8224 [CSIRO FI-0720] Isolated from soil sample S21. 6 Dec 1990. Burma.
- 8225 [CSIRO FI-0721] Isolated from soil sample S25. 6 Dec 1990. Burma.
- 8227 [CSIRO FI-0727] Isolated from soil sample S31. 6 Dec 1990. Burma.
- 8228 [CSIRO FI-0728] Isolated from soil sample S31. 6 Dec 1990. Burma.
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- 8505 [CSIRO FI-0752] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

- 8555 [CSIRO FI-0817] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8566 [CSIRO FI-0875] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.
- 8593 [CSIRO FI-0924] 17 Jul 1992. Papua New Guinea.
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- 8740 [CSIRO FI-1009] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.
- 8741 [CSIRO FI-1010] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.
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- 8743 [CSIRO FI-1012] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.
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- 9613 JG Banu (3). *Paracoccus marginatus* [Hemiptera: Pseudococcidae]. Dec 2009. India: Coimbatore, Tamil Nadu.
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- Metarhizium rileyi*** (Farlow) Kepler, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Formerly *Nomuraea rileyi* (Farlow) Samson. Early vegetative development of cultures on solid media usually occurs in mucoid colonies of fusoid yeast-like cells: mycelial development should begin after several days. Most strains are observed to sporulate most abundantly on Sabouraud maltose agar + 1% yeast extract. Isolates with genomic confirmation of this identification are noted individually.
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- 482 RS Soper. *Lymantria* sp. [Lepidoptera: Lymantriidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 483 RS Soper. *Lymantria* sp. [Lepidoptera: Lymantriidae]. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
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- 1014 J Aoki (Nom. 2). *Prodenia litura* [Lepidoptera: Noctuidae]. Oct 1978. Japan: Fuchu, Tokyo Prefecture. Molecularly verified as *Metarhizium rileyi* by at least 5'-TEF sequence data.
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- 2204 LC Piazza ← FM Ellwanger (B86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 12 Mar 1986. Brazil: Ijuí, Rio Grande do Sul.
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- 6740 DR Sosa-Gómez (CNPSo Nr 169). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**
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- 6742 DR Sosa-Gómez (CNPSo Nr 171). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 14 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**
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- 6767 DR Sosa-Gómez (CNPSo Nr 182). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 28 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**
- 6768 DR Sosa-Gómez (CNPSo Nr 183). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 26 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS: consult Curator.**
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- 6771 DR Sosa-Gómez (CNPSO Nr 186). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 20 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
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- 6775 DR Sosa-Gómez (CNPSO Nr 191). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
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- 6777 DR Sosa-Gómez (CNPSO Nr 193). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Winter 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6778 DR Sosa-Gómez (CNPSO Nr 194). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6779 DR Sosa-Gómez (CNPSO Nr 195). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6780 DR Sosa-Gómez (CNPSO Nr 196). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6781 DR Sosa-Gómez (CNPSO Nr 197). *Plusiinae* sp. [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6782 DR Sosa-Gómez (CNPSO Nr 198). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6783 DR Sosa-Gómez (CNPSO Nr 199). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6784 DR Sosa-Gómez (CNPSO Nr 200). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6785 DR Sosa-Gómez (CNPSO Nr 201). *Plusiinae* sp. [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6786 DR Sosa-Gómez (CNPSO Nr 202). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6787 DR Sosa-Gómez (CNPSO Nr 202). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** consult Curator.
- 6866 DG Boucias (5762). *Pseudoplusia includens* [Lepidoptera: Noctuidae]. 1974. USA: Gainesville, Florida.
- 6867 DG Boucias (1795). *Spodoptera* sp. [Lepidoptera: Noctuidae]. Rec'd 7 Jun 2001. India. Molecularly verified as *Metarhizium rileyi* by at least 5'-TEF sequence data.
- 6868 DG Boucias (6009). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Sep 2000. USA: Gainesville, Florida. Molecularly verified as *Metarhizium rileyi* by at least 5'-TEF sequence data.
- 6869 DG Boucias (94-5a). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Aug 1994. USA: Quincy, Florida.
- 6870 DG Boucias (6011). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Sep 2000. USA: Quincy, Florida.
- 6871 DG Boucias (31b). *Plathypena scabra* [Lepidoptera: Noctuidae]. 5 Oct 1993. USA: Quincy, Florida. Molecularly verified as *Metarhizium rileyi* by at least 5'-TEF sequence data.
- 6872 DG Boucias (9b). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida.
- 6873 DG Boucias (5561). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Aug 1984. USA: Gainesville, Florida.
- 6874 DG Boucias (F178). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Londrina, Paraná.
- 6875 DG Boucias (Nr10). [Lepidoptera: Noctuidae]. Rec'd 7 Jun 2001. Brazil: São Paulo, São Paulo.
- 6876 DG Boucias (94-5c). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 7 Sep 1994. USA: Quincy, Florida.
- 6877 DG Boucias (NrCH6). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 18 Apr 1996. Argentina: Buenos Aires, Buenos Aires.
- 6878 DG Boucias (Nr24). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 22 Jan 1990. Brazil: Paraná.

- 6879 DG Boucias (Nr32). *Plusiinae* sp. [Lepidoptera: Noctuidae]. 6 Feb 1990. Brazil: Paraná.
- 6880 DG Boucias (6026). Aug 2000. Mexico. Molecularly verified as *Metarhizium rileyi* by at least 5'-TEF sequence data.
- 6881 DG Boucias (33b). *Plathypena scabra* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida. Molecularly verified as *Metarhizium rileyi* by at least 5'-TEF sequence data.
- 6882 DG Boucias (8b). *Pseudoplusia includens* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida. Molecularly verified as *Metarhizium rileyi* by at least 5'-TEF sequence data.
- 7052 C López Lastra (B5). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Bartolomé Baviero, Buenos Aires.
- 7053 C López Lastra (Ch 2 b). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.
- 7054 C López Lastra (Ch 90). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.
- 7055 C López Lastra (Ch 91). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.
- 7056 C López Lastra (LP1). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: La Plata, Buenos Aires.
- 7148 C López Lastra (AL IS INTA). Larva, *Alabama argillacea* [Lepidoptera: Noctuidae] on *Gossypium hirsutum*, cotton crop. Mar 2001. Argentina: Santiago del Estero.
- 7149 C López Lastra (B3). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 9 Apr 2001. Argentina: Partido Magdalena, Bartolomé Baviero, Buenos Aires.
- 7150 C López Lastra (SF 9). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 20 May 2002. Argentina: Bombal, Santa Fe.
- 7151 C López Lastra (SF15). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 20 May 2002. Argentina: Zavalla, Santa Fe.
- 7479 [CEP 019] C López Lastra (Ch 9). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.
- 7480 [CEP 022] C López Lastra (Ch 66). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.
- 7481 [CEP 023] C López Lastra (Ch 90). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Apr 2001. Argentina: Chivilcoy, Buenos Aires.
- 7482 [CEP 064] C López Lastra (P11). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2003. Argentina: INTA Pergamino, Pergamino, Buenos Aires.
- 7483 [CEP 006] C López Lastra (Suelo). Isolated from soil. 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7484 [CEP 034] C López Lastra (SF2). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.
- 7778 [CEP 021] C López Lastra ← V Dikgolz. Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.
- 7779 [CEP 035] C López Lastra ← B Díaz. Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.
- 7780 [CEP 037] C López Lastra ← B Díaz. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.
- 7791 R Barakat (N.R. 3). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.
- 7792 R Barakat (N.R. 5). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.
- 7793 R Barakat (N.R. 17). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.
- 7794 R Barakat (N.R. 18). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.
- 9489 [SRCAMB VL-2125] V Likhovidov. Larva, [Lepidoptera: Noctuidae]. Aug 2006. Russian Federation: Moscow Region. Field Collection Number F-139.
- 9490 [SRCAMB B-412] V Likhovidov ← BA Borisov. Larva, [Lepidoptera: Noctuidae]. Sep 1995. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-364.
- 11939 L Rosales and SR Sánchez Peña (1). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 20 Feb 2013. Mexico: Saltillo, Coahuila.
- 11940 Acc'd 8 May 2013.
- 11941 L Rosales and SR Sánchez Peña (3). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 20 Feb 2013. Mexico: Saltillo, Coahuila.
- 11942 L Rosales and SR Sánchez Peña (4). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 20 Feb 2013. Mexico: Saltillo, Coahuila.
- 11943 L Rosales and SR Sánchez Peña (5). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 20 Feb 2013. Mexico: Saltillo, Coahuila.
- 11944 Acc'd 9 May 2013.

- Metarhizium robertsii** JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Segregated from *M. anisopliae* as part of a genomic reclassification by Bischoff et al. (2009). A complete genomic sequence of ARSEF 8820 (a single-spored reisolate of ARSEF 2575) is being compiled.
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- 23 RS Soper (F84-1-1) ← RL Rabb. *Conoderus* sp. [Coleoptera: Elateridae]. 1961. USA: North Carolina.
- 724 [CNPAP 82-2-15-04; CP 25] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 727 [CABI 351805; CNPAF 82-2-2-01; CP 21] RA Daoust ← Y Tanaka. [Orthoptera: Tettigoniidae]. 2 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.
- 797 DA Rodriguez Sierra. Larva, *Ancognatha scarabaeoides* [Coleoptera: Scarabaeidae]. Jun 1981. Colombia: Madrid, Cundinamarca.
- 1046 J Aoki (Met. 6) ← K Yanase. *Popillia japonica* [Coleoptera: Scarabaeidae]. Jul 1977. Japan: Fuchu, Tokyo Prefecture.
- 1057 [CNPS 30A] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.
- 1120 KV Deseö (72). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. Oct 1982. Italy: Modena, Emilia-Romagna.
- 1298 DW Roberts (MaT3JB-B) or (single spore isolate #9). *Popillia japonica* [Coleoptera: Scarabaeidae]. Feb 1978. USA: Clinton Corners, New York.
- 1878 DW Roberts (MaT3JB-A). *Popillia japonica* [Coleoptera: Scarabaeidae]. 1978. USA: Clinton Corners, New York.
- 1897 DW Roberts (V-14 (F84 mutant)). *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 11 Jun 1985. USA: California.
- 1910 DW Roberts ← S Keller (Ma52(S4)). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Acc'd 18 Jun 1985. Germany.
- 1952 [CNPAP 85-7-21; CP 177] SM dos Santos. ?*Cirtoneumus* sp. [Hemiptera: Cydnidae]. 27 Jul 1985. Brazil: Goiânia, Goiás.
- 1968 DR Smitley. *Strigoderma arboricola* [Coleoptera: Scarabaeidae]. Aug 1985. USA: East Lansing, Michigan.
- 2134 T Searle (E). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.
- 2469 JK Liebherr. Larva, [Coleoptera: Carabidae]. 24 Aug 1987. Mexico: 10.5 km S of Amecameca, Tepetlixpa, Mexico.
- 2514 [CP 236B] SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Oct 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2547 SV Krueger ← FL Consolie and MG Villani. *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Oct 1987. USA: Syracuse, New York.
- 2560 [CP 232] SB Alves (SPL-54A). *Atta sexdens rubropilosa* [Hymenoptera: Formicidae]. Acc'd 13 Apr 1988. Brazil: Piracicaba, São Paulo.
- 2561 [CP 233] SB Alves (507). *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd Apr 1988. Brazil: Piracicaba, São Paulo.
- 2575 [ATCC MYA-3093; IMI I91-613] RJ St. Leger (ME-1) ← Tate and Lyle Ltd (Batch No. B1830). *Curculio caryae* [Coleoptera: Curculionidae]. Acc'd 21 Jul 1988. USA: South Carolina. Ex-type culture; a complete genomic sequencing is being obtained for a single-spored reisolate (ARSEF 8820) of this isolate.
- 2981 T Searle (CWMA). Larva, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.
- 2982 T Searle (PAMA). External parasite on *Phyllophaga anxia* [Coleoptera: Scarabaeidae] larva. 1987. Canada: Québec.
- 3043 WE Jones (FLS). Soil from lettuce crop. Mar 1990. USA: Island of Hawaii, Hawaii.
- 3108 SV Krueger (MaEC1). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3211 SV Krueger (MaEC2). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.
- 3388 I Majchrowicz (3a). *Tribolium castaneum* [Coleoptera: Tenebrionidae] on asparagus. 16 Jul 1991. USA: Orchard Farm, Yakima, Washington.
- 3540 M Brownbridge (B-2). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 29 Nov 1991. USA: oak stand, Leddy Park, Chittenden County, Vermont.
- 3608 [ARSEF 2575] IMI (I91-613) ← RJ St. Leger (ME-1) ← Tate and Lyle Ltd (Batch No. B1830). *Curculio caryae* [Coleoptera: Curculionidae]. Rec'd 26 Feb 1992. USA.
- 3721 RA LeBrun ← J Hanula. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 3 Jun 1991. USA: Clinton, Connecticut.
- 3925 DR Sosa-Gómez (CNPSo-Ma60). [Hemiptera: Cicadidae]. 19 Feb 1992. Argentina: San Miguel de Tucumán, Tucumán.
- 4123 [ARSEF 2547] L Marold (ARSEF2547). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Rec'd 2 May 1994. USA: Syracuse, New York. Replaces ARSEF 2547.
- 4227 [DAT 37] AC Rath (F037). Soil. 1987.
- 4241 [DAT 46] AC Rath (F046) ← RJ Milner (F1122). Host not specified. 20 Oct 1987. Australia: New South Wales.
- 4621 [DAT 44] AC Rath (F044) ← RJ Milner (F1120). Host not specified. 20 Oct 1987. Australia: New South Wales.

- 4628 [DAT 152] AC Rath (F152) ← H Yip (HY209). Soil. 26 Oct 1988. Australia: Campbelltown, Tasmania.
- 4739 [DAT 298] AC Rath (F298) ← H Yip (HY61). Soil. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.
- 4903 LA Lacey (95005). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.
- 4919 LA Lacey (95021). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 5149 DL Hostetter (T100) ← IOB Armas. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 23 Jan 1996. Portugal: Terceira Island, Azores.
- 5873 FE Vega (EBCL 97095). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Aug 1997. Romania: Voronetz.
- 6472 SR Grugel. *Dectes texanus* [Coleoptera: Cerambycidae]. 3 Nov 1998. USA: Goodland, Kansas.
- 6476 I Klingen (EFF.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Sep 1999. Norway: Effeløt.
- 6755 GUL Braga and DW Roberts (DWR 62). 3 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.
- 6841 GUL Braga and DW Roberts (DWR 59). 19 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6842 GUL Braga and DW Roberts (DWR 60). 9 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.
- 6843 GUL Braga and DW Roberts (DWR 61). 24 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6844 GUL Braga and DW Roberts (DWR 62). 3 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.
- 6845 GUL Braga and DW Roberts (DWR 63). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6846 GUL Braga and DW Roberts (DWR 64). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6847 GUL Braga and DW Roberts (DWR 65). 11 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (light green) obtained from ARSEF 2575 following UV-B exposure.
- 6848 GUL Braga and DW Roberts (DWR 66). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6864 GUL Braga and DW Roberts (DWR 172). 8 Nov 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.
- 6865 GUL Braga and DW Roberts (DWR 173). 7 Nov 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.
- 7413 [CSIRO FI-0163] *Kalotermitidae* sp. [Isoptera: Kalotermitidae]. 18 Nov 1986. Australia: Sydney University, Sydney, New South Wales.
- 7424 [CSIRO FI-0358] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 8 Feb 1989. Australia: Busselton, Western Australia.
- 7449 [CSIRO FI-0911] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.
- 7501 CSIRO (FI-1416). AMMRL 154.02. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.
- 8060 [CSIRO FI-0562] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 10 Jan 1990. Australia: Conopaira State Forest, New South Wales.
- 8215 [CSIRO FI-0710] Isolated from soil sample S5. 23 Nov 1990. Burma.
- 8321 AC Churchill (ARSEF 2575 SS1). 11 Dec 2000. USA: USDA ARS Plant Protection Research Unit, Ithaca, New York. Single spore reisolate of ARSEF 2575 passed through *Spodoptera exigua* Hübner, beet armyworm.
- 8322 AC Churchill (ARSEF 2575 SS2). 11 Dec 2000. USA: USDA ARS Plant Protection Research Unit, Ithaca, New York. Single spore reisolate of ARSEF 2575 passed through *Spodoptera exigua* Hübner, beet armyworm.
- 8542 [CSIRO FI-0799] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.
- 8543 [CSIRO FI-0804] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8544 [CSIRO FI-0805] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8545 [CSIRO FI-0806] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8546 [CSIRO FI-0807] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8547 [CSIRO FI-0808] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8548 [CSIRO FI-0809] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.
- 8549 [CSIRO FI-0810] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8550 [CSIRO FI-0811] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

- 8551 [CSIRO FI-0812] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8552 [CSIRO FI-0814] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8553 [CSIRO FI-0815] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8554 [CSIRO FI-0816] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8556 [CSIRO FI-0818] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8557 [CSIRO FI-0819] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.
- 8558 [CSIRO FI-820] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 18 Feb 1991. Australia: Kingaroy, Queensland.
- 8559 [CSIRO FI-0821] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 18 Feb 1991. Australia: Kingaroy, Queensland.
- 8563 [CSIRO FI-0870] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 1 Jul 1991. Australia: Clermont, Queensland.
- 8565 [CSIRO FI-0873] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.
- 8567 [CSIRO FI-0877] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.
- 8576 [CSIRO FI-0894] *Heteronychus arator* [Coleoptera: Scarabaeidae]. 11 Apr 1992. Australia: Perth, Western Australia.
- 8577 [CSIRO FI-0872] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.
- 8582 [CSIRO FI-0903] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Apr 1992. Australia: Kingaroy, Queensland.
- 8583 [CSIRO FI-0904] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Apr 1992. Australia: Kingaroy, Queensland.
- 8592 [CSIRO FI-0920] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 1 Jul 1992. Australia: Queensland.
- 8820 BD Donzelli (SS#1). 14 Oct 2008. Laboratory isolation. A complete genomic sequence is being obtained from this single-spore re-isolate of ARSEF 2575.
- 9607 T Myles (Guelph-RF-08b). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Rec'd 16 Mar 2010. Canada: Guelph, Ontario.
- 10000 DW Roberts (DWR 1997). Isolated from soil sample SS 10655. 11 Jun 2008. USA: Elko County, Nevada. N 41.30356, W 116.2446.
- 12568 O Nishi (Kgs10-2) and S Shimizu. Isolated from soil sample. Apr 2008. Japan: Kagoshima Prefecture.
- 12569 O Nishi (Ngs2-1) and S Shimizu. Isolated from soil sample. May 2008. Japan: Nagasaki Prefecture.
- 12797 [OKSTATE 18] EJ Rebek and JA Rodriguez-Contreras ← SR Sánchez Peña. Larva, *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Summer 2014. USA: Golf Course, Oklahoma State University, Oklahoma City, Oklahoma.
- 12799 [OKSTATE 102] EJ Rebek and JA Rodriguez-Contreras ← SR Sánchez Peña. Larva, *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Summer 2014. USA: Cimarron Valley Research Station, Oklahoma State University, Stillwater, Oklahoma.
- 12870 [CENARGEN CG 607; IP 34] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 17 Nov 2000. Brazil: Emas National Park, Goiás. S 18° 11' 12.7", W 52° 44' 34.7". **RESTRICTED ACCESS:** *contact Curator.*
- 12885 [CENARGEN CG 766; IP 123] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait and using Chase medium. 26 Jan 2001. Brazil: northern Goiás state, Goiás. **RESTRICTED ACCESS:** *contact Curator.*
- 12888 [CENARGEN CG 779; IP 145] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 24 Sep 2000. Brazil: Silvânia National Forest, Goiás. **RESTRICTED ACCESS:** *contact Curator.*
- 12889 [CENARGEN CG 780; IP 146] Isolated from cerrado soil sample using *Triatoma infestans* Klug [Hemiptera: Reduviidae] as bait. 24 Sep 2000. Brazil: Silvânia National Forest, Goiás. **RESTRICTED ACCESS:** *contact Curator.*
- Metarhizium taii* ZQ Liang & AY Liu
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Species remaining here need to be confirmed genomically for placement, presumably, in *M. guizhouense*.
- 6750 GUL Braga and DW Roberts (DWR 04). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 5714 following UV-B exposure.
- 6751 GUL Braga and DW Roberts (DWR 05). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.
- 6752 GUL Braga and DW Roberts (DWR 06). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

6753 GUL Braga and DW Roberts (DWR 09). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

6754 GUL Braga and DW Roberts (DWR 10). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

Metarhizium viride (Segretain et al. ex Samson)

Kepler, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Previously *Paecilomyces viridis* Segretain, Fromentin, Destombes, Brygoo & Dodin ex Samson and later *Chamaeleomyces viridis* (Segretain, Fromentin, Destombes, Brygoo & Dodin ex Samson) Sigler

2456 UAMH (2994) ← Pasteur Institute (CIP-849). Rec'd 28 Jul 1987. Location not specified.

Metarhizium viridulum (Tzean, Hsieh, Chen & Wu)

Kepler, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Basionym: *Nomuraea viridula* Tzean, LS Hsief, JL Chen & WJ Wu

6927 SS Tzean (PPh 14E). *Cryptotympana facialis* [Hemiptera: Cicadidae]. 2 Jul 2000. Republic of China: Yangmingshan National Park, Taipei, Taiwan.

Metarhizium yongmunense (GH Sung, JM Sung & Spatafora)

Kepler SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Basionym: *Metacordyceps yongmunensis* GH Sung, JM Sung & Spatafora

5719 JM Sung (KEFC-1190). Rec'd 11 May 1998.

Microhilum oncooperae Yip & Rath

[Sordariomycetes: Hypocreales]
Cordycipitaceae

4358 [DAT 424] AC Rath (F424) ← Harradine. Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. Rec'd 6 Jun 1994. Australia: Melton Vale, York Plains, Tasmania.

4769 [DAT 420] AC Rath (F420). *Oncopera intricata* [Lepidoptera: Hepialidae]. Acc'd 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania. Appears contaminated with a possible *Fusarium* sp.

4770 [DAT 421] AC Rath (F421). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania.

4771 [DAT 422] AC Rath (F422). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Sep 1989. Australia: Jericho, Tasmania.

Mixed Culture sp.

The two members in these mixed cultures have not been successfully separated.

1043 J Aoki (Paec. 1). *Pyrrhalta fuscipennis* [Coleoptera: Chrysomelidae]. May 1973. Japan: Towada City, Aomori Prefecture. Single Spore Isolation attempted 8vi95. Mixture of PAESP @ VERTSP.

2738 GW Riethmacher (B4). *Corcyra cephalonica* [Lepidoptera: Pyralidae] after soil passage. 17 Jan 1989. Philippines: La Trinidad, Benguet. Contains *Paecilomyces fumosoroseus*.

2740 GW Riethmacher (T6.1). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 22 Dec 1988. Philippines: La Trinidad, Benguet. Contains *Verticillium* sp. & *Fusarium* sp.

2810 GW Riethmacher (B18b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 9 Jun 1989. Philippines: La Trinidad, Benguet. Contains *Lecanicillium* sp. & *Tolypocladium niveum*.

3178 GW Riethmacher (B31). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 6 Feb 1990. Philippines: La Trinidad, Benguet.

3182 GW Riethmacher (B37b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 12 Mar 1990. Philippines: Plaridel, Quezon. Contains *Verticillium* sp. and *Penicillium* sp.

3472 CENARGEN (CG 307). Soil. 1990. Brazil: Goiás. Contains *B. bassiana* and *P. ?farinosus*.

4066 T Steenberg (BT5). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand. Mixed culture: *V. lecanii* + (??) *Phialophora* sp.

4145 [DAT 81] AC Rath (F081). Soil. 1988. Australia: Glen Morey, Woodbury, Tasmania.

4245 [DAT 184] AC Rath (F184) ← H Yip (HY177). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.

4260 [DAT 250] AC Rath (F250) ← H Yip (HY111). Soil. 8 Jul 1988. Australia: Sorell, Tasmania.

4387 LA Lacey (94138). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou. *Paecilomyces fumosoroseus* and *Beauveria brongniartii*.

4403 LA Lacey (94063). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla. *Paecilomyces fumosoroseus* and *Beauveria bassiana*.

5188 S Gouli (GA-98). [Coleoptera: Lampyridae]. 26 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

11676 Z Demirbag (As9) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. Jan 2011. Turkey: Trabzon City, Trabzon.

11718 T Wen (BB-10). Larva, [Coleoptera]. 2011. PR China: Kunming, Yunnan Province.

Moelleriella umbospora P. Chaverri & K.T. Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 11870 L Guizar-Guzman and SR Sánchez Peña (U-1).
[Hemiptera: Coccoidea] on vine in rainforest habitat.
11 Oct 2012. Mexico: Filobobos River, Tlapacoyan,
Veracruz. N 19.961409, W 97.157936.
- 11871 L Guizar-Guzman and SR Sánchez Peña (U-2).
[Hemiptera: Coccoidea] on vine in rainforest habitat.
11 Oct 2012. Mexico: Filobobos River, Tlapacoyan,
Veracruz. N 19.961409, W 97.157936.

Moelleriella zhongdongii (M Liu & KT Hodge) M
Liu & Chaverri
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Basionym: *Hypocrella zhongdongii* Liu &
Hodge

- 8800 M Tadych. On *Piper multiplinervium* C. DC and on
leaves of unidentified dicot. 13 Feb 2007. Costa Rica:
OTS La Selva Biological Station, Sarapiquí, Heredia.
Along the Camino Experimental Sur and Sendero
Chanchera trails.

Monacrosporium cionopagum (Drechsler) Subrama-
nian
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 3349 BA Jaffee (G20) ← J Gaspard. Phylum Nemata,
Class Secernentea. Rec'd 9 Sep 1991. USA: California.
- 4943 BA Jaffee (MC127). Used as bait., *Steinernema*
glaseri Soil dilution or soil sprinkle plate. 1994.
Laboratory manipulation: Single spore isolate.
Adhesive branches.
- 4966 N Viaene (39). Juvenile-2, *Meloidogyne hapla* [Ty-
lenchida: Heteroderidae]. 1993. USA: greenhouse
nematode culture, New York.

Monacrosporium doedycoides (Drechsler) Cooke &
Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 4944 BA Jaffee (CR146). Soil dilution or soil sprinkle plate
baited with *Steinernema glaseri*. 1994. Location not
specified. Single spore isolate.

Monacrosporium elegans Oudemans
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 4805 [CBS 301.94] A Rubner (AR 9338). From sheep
dung. 10 Oct 1993. Germany: Lebus, Brandenburg.
- 4807 [CBS 299.94] A Rubner (AR 9229). From soil of a
laurel woods. 1989. Spain: Las Mercedes, Tenerife,
Canary Islands.
- 4810 [CBS 300.94] A Rubner (AR 9232). From moss
cushion. 1992. Germany: Berlin-Dahlem, Berlin.

Monacrosporium elliposporum (Grove) RC Cooke
& CH Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 3348 BA Jaffee ← J Gaspard. Phylum Nemata, Class
Secernentea. Rec'd 9 Sep 1991. USA: California.
- 3723 KT Hodge (10). Decorticated wood. Rec'd 18 May
1992. Location not specified.
- 3731 BA Jaffee (MK100a). Rec'd 1 Jun 1992. USA: Merced
County, California.
- 4803 [CBS 303.94] A Rubner (AR 9212). From dead wood.
18 May 1992. Germany: Kronwald, Mecklenburg,
Rostock.
- 4957 N Viaene (8). Juvenile-2, *Meloidogyne hapla* [Ty-
lenchida: Heteroderidae] soil. 25 Sep 1992. USA:
Sheldon onion field, Oswego, New York.
- 4959 N Viaene (10). Juvenile-2, *Meloidogyne hapla* [Ty-
lenchida: Heteroderidae] Elba muck. 13 Jul 1992.
USA: Elba, New York.
- 5702 BA Jaffee (AK172). From soil Mar 1998. USA: Lange
Vineyard near Lodi, San Joaquin County, California.

Monacrosporium eudematum Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 4945 BA Jaffee (AN133). Used as bait., *Steinernema*
glaseri Soil dilution or Soil sprinkle plate. 1994.
Laboratory manipulation: Single spore isolate..
Three dimensional, adhesive networks.

Monacrosporium parvicolle (Drechsler) RC Cooke &
CH Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 4946 BA Jaffee (AK147). Used as bait., *Steinernema*
glaseri Soil dilution or Soil sprinkle plate. 1994.
Laboratory manipulation: Single spore isolate.
Adhesive knots.

Monacrosporium psychrophilum (Drechsler) RC
Cooke & Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 4813 [CBS 318.94] A Rubner (AR 938). From soil. 6 Mar
1993. Ecuador.

Monacrosporium thaumasium (Drechsler) de Hoog
& van Oorschot
[Orbiliomycetes: Orbiliales]
Orbiliaceae

- 4802 [CBS 320.94] A Rubner (AR 9126). From soil. Apr
1991. Thailand.
- 4806 [CBS 321.94] A Rubner (AR 9137). From soil of
warm greenhouse. 30 Aug 1991. Germany: Botanical
Garden, Berlin-Dahlem, Berlin.

Mortierella histoplasmatoides W Gams

[Mucormycotina: Mucorales]

Mortierellaceae. 1991. *Boletus* 15(2): 35-36.

- 2063 [CBS] GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Mortierella hyalina (Harz) W Gams

[Mucormycotina: Mucorales]

Mortierellaceae

- 2061 [ATCC 64258] GC Carroll (RSRS-0/62). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Mucor circinelloides van Tieghem

[Mucormycotina: Mucorales]

Mucoraceae

- 6470 LS Bauer (2UIC2463). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 19 Feb 2000. USA: East Lansing, Michigan.

Mucor fragilis Bainier

[Mucormycotina: Mucorales]

Mucoraceae

- 11762 CS Bibbs (42). *Latrodectus geometricus* [Araneae: Theridiidae]. 31 Jan 2011. USA: University of Florida, George A. Smathers Library, Gainesville, Florida. Sequence data: GenBank.

Mucor sp.

[Mucormycotina: Mucorales]

Mucoraceae

- 3535 J Hernández Ramírez (1). *Zulia vilior costarricensis* [Hemiptera: Cercopidae]. Rec'd 23 Jan 1992. Costa Rica.

Myriangium sp.

[Dothideomycetes: Myriangiales]

- 9915 [ERL 1748] S Gouli (HWA-G-26) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9916 [ERL 1749] S Gouli and V Gouli (HWA-G-27). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9917 [ERL 1750] S Gouli (HWA-G-28) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
- 9918 [ERL 1751] S Gouli and V Gouli (HWA-G-29). *Adelges tsugae* [Hemiptera: Adelgidae]. Winter 2009. USA: New Hampshire.
- 9919 [ERL 1752] S Gouli (HWA-G-30) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

- 11852 [ERL 2085] S Gouli and V Gouli (EHS-12-4). *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
- 11853 [ERL 2086] S Gouli (EHS-12-5) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
- 11854 [ERL 2087] S Gouli and V Gouli (EHS-11-3). *Fiorinia externa* [Hemiptera: Diaspididae]. 2011. USA: Harriman State Park, New York.
- 11855 [ERL 2088] S Gouli (EHS-11-4) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2011. USA: Harriman State Park, New York.
- 11856 [ERL 2089] S Gouli and V Gouli (HWA-11-M3). *Adelges tsugae* [Hemiptera: Adelgidae]. 2011. USA: Brattleboro, Vermont.
- 11857 [ERL 2090] S Gouli (HWA-11-M1) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2011. USA: Harriman State Park, New York.
- 11858 [ERL 2091] S Gouli and V Gouli (HWA-12-M1). *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: East Granby, Connecticut.

Myriangium duriaei Mont. & Berk.

[Dothideomycetes: Myriangiales]

- 8924 [ERL 1533] S Gouli (EHS) and V Gouli. *Fiorinia externa* [Hemiptera: Diaspididae]. 2005. USA: New York.
- 8925 [ERL 1538] S Gouli (EHS). *Fiorinia externa* [Hemiptera: Diaspididae]. 2006. USA: New York.

Myriodontium keratinophilum Samson & Polonelli

[Eurotiomycetes: Onygenales]

Teleomorph: *Neoarachnotheca keratinophila* Ulfig, Cano & Guarro (1997. *Ant. van Leeuwenhoek* 72: 151)

- 368 [ARSEF 386] BA Federici ← PS Tsao. *Porcellio* sp. [Isopoda: Oniscoidea]. Acc'd 27 Jul 1979. USA: Riverside, California.
- 386 [ARSEF 368] BA Federici ← PS Tsao. *Porcellio* sp. [Isopoda: Oniscoidea]. Acc'd 18 Oct 1979. USA: Riverside, California.
- 10547 DW Roberts (DWR 475). Isolated from soil sample SS 0834. 31 Jul 2007. USA: McKenzie County, North Dakota. N 47.381218, W 104.03361.
- 11186 DW Roberts (DWR 1437). Isolated from soil sample SS 8706. 7 Jul 2008. USA: Yuma County, Colorado. N 39.874308, W 102.466135.
- 11698 Z Demirbag (Gg11) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.
- 11837 [ERL 2079] S Gouli and V Gouli (EHS-12-2). *Fiorinia externa* [Hemiptera: Diaspididae]. 2012. USA: East Granby, Connecticut.
- 11838 [ERL 2081] S Gouli and V Gouli (HWA-12-1). *Adelges tsugae* [Hemiptera: Adelgidae]. 2012. USA: East Granby, Connecticut.

- 11998 DW Roberts (DWR 2183). Isolated from soil sample SS 22220. 26 Jul 2010. USA: Morrill County, Nebraska. N 41.467362, W 103.2349.
- 12005 DW Roberts (DWR 2190). Isolated from soil sample SS 22916. 22 Jul 2010. USA: Maricopa County, Arizona. N 33.016, W 112.83527.
- 12117 DW Roberts (DWR 2336). Isolated from soil sample SS 23705. 12 Aug 2010. USA: Franklin County, Washington. N 46.634094, W 118.55523.
- 12118 DW Roberts (DWR 2337). Isolated from soil sample SS 23739. 18 Aug 2010. USA: Whitman County, Washington. N 46.706997, W 118.120635.
- 12155 DW Roberts (DWR 2384). Isolated from soil sample SS 26745. 3 Aug 2010. USA: Gilliam County, Oregon. N 45.377306, W 120.087388.

***Myrothecium* sp.**

[Sordariomycetes: Hypocreales]

- 7804 L Erickson and CA Fuller (#6b V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.

Myrothecium verrucaria (Albertini & Schweinitz)

Ditmar

[Sordariomycetes: Hypocreales]

- 2741 GW Riethmacher (T11). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 18 Dec 1988. Philippines: La Trinidad, Benguet.
- 7757 [ATCC 9095; CBS 328.52; IMI 045541] From deteriorated baled cotton. 1940. USA: Washington, District of Columbia. Patented, commercialized strain (Preceptrol).
- 9359 [ERL 1645] S Gouli (SVG-09/2) and V Gouli. *Tipula* sp. [Diptera: Tipulidae]. 2009. USA: Vermont.

***Nematoctonus* sp.**

[Agaricomycetes: Agaricales]

Pleurotaceae

- 3351 P Timper ← BA Jaffee. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California.
- 5663 SL Glockling. *Bunonema* sp. [Rhabditida: Rhabditiidae] from grass cuttings. 10 Jan 1997. Japan.

Nematoctonus concurrens Drechsler

[Agaricomycetes: Agaricales]

Pleurotaceae

- 4947 BA Jaffee (TOC149). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.

Nematoctonus leiosporus Drechsler

[Agaricomycetes: Agaricales]

Pleurotaceae

- 5606 SL Glockling (ND-9). Phylum Nemata from shikadung. 21 Jun 1995. Japan: Nikko, Tochigi Prefecture.

Nematoctonus leptosporus Drechsler

[Agaricomycetes: Agaricales]

Pleurotaceae

- 5607 SL Glockling (L1). Phylum Nemata from leaf litter. 31 May 1995. Japan.

Neobarya parasitica (Fuckel) R Lowen

[Sordariomycetes: Hypocreales]

Clavicipitaceae

- 6156 [ATCC 56427] GJ Samuels (83-264). *Bertia moriformis* [Sordariales: Nitschkiaceae]. Rec'd 6 May 1999. New Zealand.

***Neozygites* sp.**

[Entomophthoromycotina: Entomophthorales]

Neozygitaceae. This culture is provided as hyphal bodies in a liquid tissue culture medium. Spores may be induced by plating hyphal bodies on solid media. Taxonomic criteria separating *Neozygites* species from mites are too poorly understood to allow specific identifications.

- 662 RA Humber ← DR Smitley. *Tetranychus urticae* [Acari: Tetranychidae]. 19 Oct 1981. USA: Raleigh, North Carolina.

***Neozygites floridana*(?)** (Weiser & Muma) Remaudière & S Keller

[Entomophthoromycotina: Entomophthorales]

Neozygitaceae

- 5201 DW Roberts (1). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 6 Jul 1996. USA: Laboratory culture, Ithaca, New York.
- 5202 DW Roberts (2). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 6 Jul 1996. USA: Laboratory culture, Ithaca, New York.
- 5376 DW Roberts (0). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 3 Dec 1996. USA: Laboratory culture, Ithaca, New York.
- 6219 I Delalibera Junior (AB 10,11). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.
- 6220 I Delalibera Junior (AC 16). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.
- 6221 I Delalibera Junior (L 13). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.

Neozygites parvispora (DM MacLeod & KP Carl)

Remaudière & S Keller

[Entomophthoromycotina: Entomophthorales]

Neozygitaceae

- 5620 A Grundschober (301). *Thrips tabaci* [Thysanoptera: Thripidae] on *Allium porrum*. 17 Oct 1996. Switzerland: organic vegetable farm in Winkel, Bülach, Zurich.

5621 A Grundschober (302). *Thrips tabaci* [Thysanoptera: Thripidae] on *Allium porrum*. 17 Oct 1996. Switzerland: organic vegetable farm in Winkel, Bülach, Zurich.

6276 Acc'd 7 Jun 2000.

6277 Acc'd 7 Jun 2000.

6278 Acc'd 7 Jun 2000.

6279 Acc'd 7 Jun 2000.

6280 Acc'd 7 Jun 2000.

Neozygites tetranynchi Weiser

[Entomophthoromycotina: Entomophthorales]

Neozygiteae. This culture is provided as hyphal bodies in a liquid tissue culture medium. Spores may be induced by plating hyphal bodies on solid media. Identification of this species is provisional because of correspondence with the source of the strain and the original description of the species. This species was published without a Latin diagnosis and must still be validated nomenclaturally.

2677 J Weiser. *Tetranynchus althaeae* [Acari: Tetranychidae]. 8 Nov 1988. Czech Republic: Dvory n. Zitavou.

***Nomuraea* sp.**

[Sordariomycetes: Hypocreales]

Clavicipitaceae

7851 [SRCAMB B-412] V Likhovidov (VL-95-2) ← BA Borisov. Larva, [Lepidoptera: Noctuidae]. Sep 1995. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-364.

Nomuraea anemonoides Hocking

[Sordariomycetes: Hypocreales]

Clavicipitaceae

2467 [ATCC 34948; IMI 214110; JI Pitt FRR 1665] UAMH (5301) ← AD Hocking. Soil. 1974. Australia: Blue Mts., New South Wales. CULTURE EX TYPE.

Nomuraea atypicola (Yasuda) Samson

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

1904 MC Rombach (7). [Araneida: ?Argiopidae] on underside of cacao leaves. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

7130 ND Vandersal. 17 May 2003. USA: Sardis Reservoir, Mississippi.

7231 BW Horn. *Nephila clavipes* [Araneida: Tetragnathidae]. Sep 2003. USA: Dawson, Georgia.

7348 M Liu. 18 Aug 2003.

9594 X Zou (1). [Araneida]. Rec'd 19 Jan 2010. PR China: Guangxi Zhuang Autonomous Region.

Ophiocordyceps aphodii (Mathieson) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps aphodii* Mathieson

5498 [ATCC 34178; CBS 150.47] Larva, *Aphodius howitti* [Coleoptera: Scarabaeidae]. Rec'd 5 Jun 1997. Location not specified.

Ophiocordyceps bisporus (Stifler) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Synonym: *Cordycepioideus bisporus* Stiffler. Anamorph: *Hirsutella* sp.

3888 [G Ochiel IIBC I92-745] J Eilenberg (KVL 90). Alate, [Isoptera: Termitidae] soil, under rock. Sep 1991. Kenya: Isiolo.

4518 [IIBC I94-916] HC Evans (I94-916). *Macrotermes* sp. [Isoptera: Termitidae]. Dec 1993. Kenya.

4843 J Eilenberg (KVL 607). *Macrotermes* sp. [Isoptera: Termitidae]. 28 Nov 1993. Kenya: Kadjiado.

Ophiocordyceps gracilioides (Kobayasi) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps gracilioides* Kobayasi

5696 JM Sung (KEFC-1100). Larva, Phylum Arthropoda, Class Insecta. 29 Jun 1997. Republic of Korea: Mt. Chil-gap, Choong-Chung Nam Do.

Ophiocordyceps heteropoda (Kobayasi) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps heteropoda* Kobayasi. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.

1880 K Chandler and RA Humber. *Cicadetta puer* [Hemiptera: Cicadidae]. 22 Feb 1985. Australia: Cairns, Queensland.

6919 [IFO 33060] Ascospores ejected from ascoma. Rec'd 25 Oct 2001. Japan.

8010 BC King (Cg). Spring 2005. USA: Klickitat County, Washington. GenBank match - AB027373 (97.40%) LSU. **RESTRICTED ACCESS:** consult Curator.

Ophiocordyceps myrmecophila (Cesati) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps myrmecophila* Cesati

6180 Rec'd 7 Jul 1999.

Ophiocordyceps nutans (Patouillard) GH Sung, JM Sung, Hywel-Jones & Spatafora [Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps nutans* Patouillard

7220 [SRCAMB B-13] V Likhovidov ← BA Borisov. [Heteroptera]. Aug 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-239.

Ophiocordyceps robertsii (Hooker) GH Sung, JM Sung, Hywel-Jones & Spatafora [Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps robertsii* Hooker

6961 G Gates. Rec'd 9 Oct 2001.

Ophiocordyceps variabilis (Petch) GH Sung, JM Sung, Hywel-Jones & Spatafora [Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps variabilis* Petch. Anamorph: *Syngliocladium* sp. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.

4080 [ATCC 204364] KT Hodge (kth13). Larva, [Diptera: Xylophagidae] decaying wood. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

5365 [ATCC 204365] KT Hodge (kth50a). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] Decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5366 KT Hodge (kth50b). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] Decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5367 KT Hodge (kth51a). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5414 KT Hodge (kth50d). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5415 KT Hodge (kth50f). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5416 KT Hodge (kth50g). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State

Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5417 KT Hodge (kth50h). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5418 KT Hodge (kth50i). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5419 KT Hodge (kth50j). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5420 KT Hodge (kth50k). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5421 KT Hodge (kth50l). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5422 KT Hodge (kth50m). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5423 KT Hodge (kth50n). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5424 KT Hodge (kth50o). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5425 KT Hodge (kth50p). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP

- 63882.
- 5426 KT Hodge (kth50q). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.
- 5427 KT Hodge (kth50r). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.
- 5428 KT Hodge (kth50s). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.
- 5429 KT Hodge (kth50t). Larva, *Xylophagus* sp. [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.
- Ostracoderma* sp.**
[Pezizomycetes: Pezizales]
Pezizaceae. Anamorph of *Peziza ostracoderma*
-
- 5163 S Gouli (GP-45). *Taxus* sp. [Taxales: Taxaceae]. 17 Feb 1996. USA: Burlington, Vermont.
- Paecilomyces* sp.**
[Sordariomycetes: Hypocreales]
These still unidentified species has yet been assigned to a correct genus after the recent gene-based reclassification of species out of *Paecilomyces* Section *Isarioidea*; this original generic identification remains provisional until a more thorough analyses of these isolates are completed.
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- 309 DW Roberts ← FL Briggs. *Epiphyas postvittana* [Lepidoptera: Tortricidae]. Acc'd Mar 1979. New Zealand.
- 385 WG Yendol. Rec'd 8 Aug 1979. PR China: North Bridges Peoples' Commune, Shanghai, Kiangsu.
- 680 DW Roberts (101081-6). *Recilia dorsalis* [Hemiptera: Cicadellidae]. 10 Oct 1981. PR China: Jansui, Jiangsu.
- 971 [GCRI 50-81] RA Hall ← J Fargues. Acc'd 17 Oct 1983. France.
- 1008 J Aoki (Nom. 1) ← K Katagiri ← T Kushida. *Sesamia inferens* [Lepidoptera: Noctuidae]. Dec 1968. Japan: Hachioji, Tokyo Prefecture.
- 2350 [ARSEF 2378] MC Rombach (131286-6). Pupa, [Diptera] on *Croton* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.
- 2354 [ARSEF 2377 (never frozen)] MC Rombach (201286-6). [Araneida]. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.
- 2378 [ARSEF 2350] MC Rombach (131286-6). Pupa, [Diptera] on *Croton* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.
- 2616 SB Alves (718). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.
- 2617 SB Alves (719). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.
- 2618 SB Alves (720). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.
- 3101 L Loch (CB-75). *Nezara viridula* [Hemiptera: Pentatomidae]. 1986. Brazil: Piracicaba, São Paulo.
- 3545 M Brownbridge (B-38). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3566 M Brownbridge (R-48). Rec'd 10 Jan 1992. Location not specified.
- 3768 EW Davidson. [Diptera: Drosophilidae]. Summer 1992. USA: Arizona.
- 3772 SP Wraight (F92-5) ← J Salinas. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 17 Apr 1992. USA: USDA-APHIS Biological Control Laboratory Greenhouse, Mission, Texas.
- 3774 SP Wraight (SPW-5). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3775 SP Wraight (SPW-6). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3777 SP Wraight (SPW-12). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3780 SP Wraight (SPW-7). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3781 SP Wraight (SPW-8). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3782 SP Wraight (SPW-9). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3783 SP Wraight (SPW-9). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] cotton leaves. 12 Jun 1992. USA: Weslaco, Texas.
- 3784 SP Wraight (SPW-1). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 12 Jun 1992. USA: Weslaco, Texas.
- 3785 SP Wraight (SPW-5). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

- 3786 SP Wraight (SPW-10). Larva, *Bemisia tabaci* [Hemiptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.
- 3787 SP Wraight () ← J Salinas (F92-6). *Bemisia tabaci* [Hemiptera: Aleyrodidae] eggplant leaves. 18 Apr 1992. USA: Mission, Texas.
- 3788 SP Wraight () ← B.A. Mullin (BO-1). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae] cotton leaves. 12 Jun 1992. USA: Weslaco, Texas.
- 3853 MS Tigano-Milani (CG-186). Soil. Rec'd 13 Jan 1993. Brazil.
- 3870 LA Lacey (92133) ← A Kirk. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.
- 3871 LA Lacey (92135) ← A Kirk. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1993. Nepal: Katmandu.
- 3872 LA Lacey (92137) ← A Kirk. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 19 Sep 1993. Nepal: Katmandu.
- 3873 LA Lacey (Pfr19). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Apr 1992. India: Padappai.
- 3874 LA Lacey (92114) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.
- 3875 LA Lacey (92115) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Oct 1992. Pakistan: Multan.
- 3877 LA Lacey (92117) ← D Shakeel. *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Oct 1992. Pakistan: Multan.
- 4452 LA Lacey (94110). Soil. 18 Apr 1994. Japan: Edosaki Golf Course.
- 4742 [DAT 343] AC Rath (F343) ← H Yip (HY26). Soil. 31 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4985 LA Lacey (95041). *Bemisia tabaci* [Hemiptera: Aleyrodidae] Cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 4986 LA Lacey (95042). *Bemisia tabaci* [Hemiptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 4987 LA Lacey (95043). *Bemisia tabaci* [Hemiptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 4988 LA Lacey (95044). *Bemisia tabaci* [Hemiptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 4989 LA Lacey (95045). *Bemisia tabaci* [Hemiptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.
- 5091 LA Lacey (95081). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5092 LA Lacey (95082). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5093 LA Lacey (95083). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5094 LA Lacey (95084). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5095 LA Lacey (95085). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5096 LA Lacey (95086). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5097 LA Lacey (95087). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5098 LA Lacey (95088). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5099 LA Lacey (95089). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5100 LA Lacey (95090). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5101 LA Lacey (95091). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5102 LA Lacey (95092). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5103 LA Lacey (95093). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5104 LA Lacey (95094). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5105 LA Lacey (95095). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5106 LA Lacey (95096). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5108 LA Lacey (95098). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5109 LA Lacey (95099). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5110 LA Lacey (95100). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5111 LA Lacey (95101). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5112 LA Lacey (95102). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5114 LA Lacey (95104). Adult, *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.
- 5160 DR Sosa-Gómez (CNPSo-P83). *Bemisia argentifolii* [Hemiptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.
- 5179 S Gouli (GA-88). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5180 S Gouli (GA-89). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 14 Mar 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5181 S Gouli (GA-90). [Araneida: Araneae]. 28 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5183 S Gouli (GA-93). [Araneida: Araneae]. 22 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

- 5184 S Gouli (GA-94). [Coleoptera: Curculionidae]. 25 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5185 S Gouli (GA-95). Phylum Arthropoda, Class Diplopoda. 28 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5189 S Gouli (GA-99). Larva, Phylum Arthropoda, Class Insecta. 24 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5190 S Gouli (GA-100). [Araneida: Araneae]. 25 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5192 S Gouli (GA-102). [Opiliones]. 29 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5193 S Gouli (GA-103). [Coleoptera: Curculionidae]. 23 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5402 Laboratory contaminant. Acc'd 14 Jan 1997.
- 6193 FE Vega (EBCL 99030). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 28 Dec 1998. France: Crespian, Gard.
- 6198 FE Vega (EBCL 99037). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 28 Dec 1998. France: Crespian, Gard.
- 6339 5th instar larva, 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6883 DG Boucias (3936). [Hymenoptera: Tenthredinoidea]. Rec'd 7 Jun 2001. USA: Florida.
- 7064 Acc'd 3 Aug 2004.
- 7065 Acc'd 4 Aug 2004.
- 7075 KT Hodge (PR16). [Hemiptera: Pentatomidae] on *Acanthaceae*. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.
- 7388 M Liu (ml190). 17 Dec 2003. USA: Toro Negro, Puerto Rico.
- 7721 [SRCAMB VL-281] V Likhovidov. Pupa, [Lepidoptera] Isolated from fungal synnema. Jul 2001. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-195.
- 7741 [SRCAMB B-55] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-288.
- 7742 [SRCAMB VL-275] V Likhovidov. Pupa, [Lepidoptera]. Aug 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-243.
- 7744 [SRCAMB VL-59/1] V Likhovidov ← BA Borisov. Insect remains in soil. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-270.
- 7745 [SRCAMB VL-59/2] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-242.
- 7746 [SRCAMB VL-488] V Likhovidov. Phylum Arthropoda, Class Insecta. Jul 2001. Russian Federation: coast of Gulf of Ussuriysk, Primorsky Krai. Field Collection Number F-277.
- 7747 [SRCAMB VL-478] V Likhovidov. Isolated from soil sample. Jul 2001. Russian Federation: environs of Vladivostok, Vladivostok, Primorsky Krai. Field Collection Number F-276.
- 7756 [SRCAMB VL-61] V Likhovidov. Pupa, [Lepidoptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-197.
- 7800 L Erickson and CA Fuller (?#3 V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.
- 7801 L Erickson and CA Fuller (#8b HH23P all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.
- 7803 L Erickson and CA Fuller (#8 V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.
- 7995 BC King (2). Pupa, [Lepidoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 7996 BC King (6). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 7997 BC King (16). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 7998 BC King (18). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 7999 BC King (23). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8001 BC King (27). Larva, [Lepidoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

- 8002 BC King (48). Rec'd 7 Apr 2006. Canada: Squamish, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8003 BC King (51). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8004 BC King (55). Rec'd 7 Apr 2006. USA: near Breitenbush Hot Springs, Detroit, Oregon. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8005 BC King (63). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8006 BC King (68). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8007 BC King (69). [Hymenoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8008 BC King (70). [Hymenoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.
- 8316 JM Meyer. Adult, *Diaphorina citri* [Hemiptera: Psyllidae]. Oct 2005. USA: Polk County, Florida. 28°06'295" N, 81°42'895" W.

Paecilomyces canadensis (Vuillemin) Brown & Smith
[Sordariomycetes: Hypocreales]

This species is usually treated as a synonym of *Isaria farinosa* but both this and any ultimate reclassification remain to be determined.

- 984 [FPMI 757] J Aoki (Paec. 6) ← K Katagiri ← T Kushida. *Heptophylla picea* [Coleoptera: Scarabaeidae]. Feb 1972. Japan: Hachioji, Tokyo Prefecture.
- 990 [FPMI 758] J Aoki (Paec. 7) ← K Katagiri ← T Kushida. *Gastropacha orientalis* [Lepidoptera: Lasiocampidae]. Jul 1969. Japan: Hachioji, Tokyo Prefecture.

Paecilomyces crustaceus(?) Apinis & Chesters
[Eurotiomycetes: Eurotiales]

Trichocomaceae. This species has not been reclassified into a correct genus according to its genomic sequences following the recent gene-based reclassification of *Paecilomyces* Section *Isarioidea*.

- 6462 [CIAT 047] D Peck. 5th instar larva, *Zulia carbonaria* [Hemiptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

- 6467 [CIAT 052] D Peck. Adult, *Zulia carbonaria* [Hemiptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

Paecilomyces lilacinus(?) (Thom) Samson
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. This species has not been reclassified into a correct genus according to its genomic sequences following the recent gene-based reclassification of *Paecilomyces* Section *Isarioidea*.

- 6325 Nymph, 16 Feb 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6458 [CIAT 043] D Peck. Adult, female, *Zulia carbonaria* [Hemiptera: Cercopidae]. 26 May 1999. Colombia: Santander de Quilichao, Cauca.

Paecilomyces reniformis Samson & HC Evans in Samson
[Sordariomycetes: Hypocreales]

The recent reclassification of *Paecilomyces* Section *Isarioidea* requires this species eventual reassignment to a different genus.

- 429 DW Roberts. [Orthoptera: Tettigoniidae] on rice. 31 Oct 1979. Philippines: IRRRI, Los Baños, Manila.
- 484 RS Soper. [Orthoptera: Tettigoniidae] on rice. 5 May 1980. Philippines: IRRRI, Los Baños, Manila.
- 577 RS Soper. [Orthoptera: Tettigoniidae] on rice. 24 Feb 1981. Indonesia: Diski Village, Medan District, Sumatera Utara.
- 7040 RG Hollingsworth (KNF2002-10). [Orthoptera: Tettigoniidae]. 26 Jan 2002. USA: Bayfront area, Hilo, Hawai'i.
- 7041 RG Hollingsworth (KNF002-11). [Orthoptera: Tettigoniidae]. 26 Jan 2002. USA: Bayfront area, Hilo, Hawai'i.

Paecilomyces sinensis QT Chen, SR Xiao & ZY Shi
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Possible anamorphic state of *Ophiocordyceps sinensis* (Berkeley) GH Sung, JM Sung, Hywel-Jones & Spatafora [= *Cordyceps sinensis* (Berkeley) Saccardo]

- 6284 [RCEF 0204] Larva, [Lepidoptera: Hepialidae]. Rec'd 24 Aug 1999. PR China: Qinghan.
- 6285 [RCEF 0263] Larva, [Lepidoptera: Hepialidae]. Rec'd 24 Aug 1999. PR China: Qinghan.

Pandora sp.

[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 3201 GW Riethmacher (EB6). *Plutella xylostella* [Lepidoptera: Plutellidae]. 13 May 1989. Philippines: La Trinidad, Benguet.
- 5812 [Diptera]. 10 Aug 1998. Denmark.
- 11764 [ERL 1970] S Gouli (SVG-11-1) and V Gouli. *Lophocampa caryae* [Lepidoptera: Arctiidae]. 2011. USA: Richmond, Vermont.

Pandora blunckii (Lakon ex Zimmerman) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 217 [ATCC 34698; CBS 194.77; IMI 211910] G Zimmermann (2). Larva, *Plutella maculipennis* [Lepidoptera: Plutellidae]. 27 Mar 1978. Germany: Gross-Bieberau, Darmstadt, Hesse. CULTURE EX NEOTYPE.
- 915 S Keller (426). *Athalia rosae* [Coleoptera: Elateridae]. 1 Sep 1982. Switzerland.
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Pandora delphacis (Hori) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

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Pandora dipterigena (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

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Pandora heteropterae (Balazy) S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

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Pandora kondoiensis (Milner, Mahon, & Brown)

Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

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Pandora neoaphidis (Remaudière & Hennebert) Humber

Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

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- 381 RS Soper. [Hemiptera: Aphididae]. 26 Feb 1979. Australia.
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- 636 I Majchrowicz (102). *Aphis fabae* [Hemiptera: Aphididae]. 3 Jul 1981. Poland: Szczecin.
- 637 I Majchrowicz (103). *Aphis fabae* [Hemiptera: Aphididae]. 6 Jul 1981. Poland: Stanpanel.
- 638 [CSIRO EM653] I Majchrowicz (104). *Aphis fabae* [Hemiptera: Aphididae]. 16 Jul 1981. Poland: Gumiencice, Szczecin.

- 639 I Majchrowicz (105). *Aphis fabae* [Hemiptera: Aphididae]. 18 Jul 1981. Poland: Gryfino, Szczecin.
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- 829 CSIRO (EM736) ← LT Woolcock. *Hyperomyzus lactucae* [Hemiptera: Aphididae]. 29 Nov 1982. Australia: Murwillumbah, New South Wales.
- 830 CSIRO (EM723) ← RJ Huppertz. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Fall 1982. Australia: Hamilton, Victoria.
- 833 [CSIRO EM739] RJ Milner. *Hyperomyzus lactucae* [Hemiptera: Aphididae]. 8 Nov 1982. Chile: airport, Easter Island.
- 835 CSIRO (EM633) ← L Shu-Sheng. *Hyperomyzus lactucae* [Hemiptera: Aphididae] on *Sonchus* sp. 18 Jun 1981. Australia: Black Mountain, Canberra, Australian Capital Territory.
- 838 CSIRO (EM670) ← G Lutton. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 13 Apr 1982. Australia: Murrumbateman, New South Wales.
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- 1601 I Majchrowicz (170). Apterygotes, *Myzus* sp. [Hemiptera: Aphididae]. Acc'd 19 Sep 1984. Spain: nr. St. Amalia.
- 1602 I Majchrowicz (172). Apterygotes, *Myzus* sp. [Hemiptera: Aphididae]. Acc'd 19 Sep 1984. Spain: nr. St. Amalia.
- 1603 I Majchrowicz (178). Apterygotes, *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Acc'd 19 Sep 1984. Spain: nr. St. Amalia.
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- 1609 I Majchrowicz (230). Apterygotes, *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.
- 1610 I Majchrowicz (236). Apterygotes, *Aphidula* sp. [Hemiptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.
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- 1613 I Majchrowicz (257). Pterygotes, *Brevicoryne brassicae* [Hemiptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.
- 1615 I Majchrowicz (263). Apterygotes, *Aphidula* sp. [Hemiptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.
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- 1617 I Majchrowicz (275). Apterygotes, *Brevicoryne brassicae* [Hemiptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.
- 1618 I Majchrowicz (260 4.08). Acc'd 19 Sep 1984. Location not specified.
- 1695 IL Sivcev (217). Alate, [Hemiptera: Aphididae] on cabbage. 10 Jul 1984. Yugoslavia: PKB Commune, E. Belgrade.
- 1696 IL Sivcev (R-1). Alate, [Hemiptera: Aphididae] on roses. 7 Jun 1984. Yugoslavia: laboratory, Zemun, Belgrade.
- 1784 IL Sivcev (281). Alate, *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 8 Oct 1984. Yugoslavia: PKB Commune, E. Belgrade.
- 1785 IL Sivcev (278). Alate, *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 8 Oct 1984. Yugoslavia: PKB Commune, E. Belgrade.
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- 1824 IL Sivcev (V-11). 4th instar larva, *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 11 Oct 1984. Yugoslavia: Veternik.
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- 2108 IL Sivcev (174/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 14 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2109 IL Sivcev (184/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 14 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2110 IL Sivcev (185/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 14 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2112 IL Sivcev (229/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 21 Oct 1986. Yugoslavia: Zemun, Belgrade.
- 2114 IL Sivcev (271/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

- 2115 IL Sivcev (280/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2116 IL Sivcev (282/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2117 IL Sivcev (284/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2118 IL Sivcev (291/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2119 IL Sivcev (294/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.
- 2120 IL Sivcev (297/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.
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- 2122 IL Sivcev (304/85). *Brevicoryne brassicae* [Hemiptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.
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- 2594 K Hural (HG72014). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.
- 2754 K Hural (Au-7). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.
- 2755 K Hural (FR-14). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.
- 2756 K Hural (Ma-1). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 11 Jul 1989. USA: Malone, New York.
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- 2758 K Hural (FR-7). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.
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- 2761 K Hural (Au-6). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.
- 2762 K Hural (Au-1). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.
- 2763 K Hural (FR-12). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.
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- 2767 K Hural (Au-14). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.
- 2768 K Hural (Au-11). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.
- 2769 K Hural (Au-21). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.

- 2773 K Hural (FR-4). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.
- 2781 K Hural (Au-20). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.
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- 2783 K Hural (Ma-2). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 11 Jul 1989. USA: Malone, New York.
- 2784 K Hural (Au-17). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.
- 2837 K Hural (Au-28). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.
- 2838 K Hural (Au-26). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.
- 2839 K Hural (Au-27). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.
- 2840 K Hural (FR-16). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 2842 K Hural (FR-18). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 2844 K Hural (FR-19). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 2845 K Hural (FR-20). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 2846 K Hural (FR-21). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 2847 K Hural (Au-29). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.
- 2848 K Hural (Au-24). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 7 Jun 1989. USA: Aurora, New York.
- 2851 K Hural (FR-10). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.
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- 2853 K Hural (FR-22). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 2854 K Hural (Au-4). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.
- 2855 K Hural (Au-30). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.
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- 2865 K Hural (FR-23). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
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- 2867 K Hural (FR-25). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 2868 K Hural (EW-5). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 30 May 1989. USA: Trumansburg, New York.
- 2870 K Hural (FR-8). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.
- 2872 K Hural (FR-26). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
- 2873 K Hural (MP-5). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 16 Jun 1989. USA: Ithaca, New York.
- 2874 MG Feng (MD8930). *Metopolophium dirhodum* [Hemiptera: Aphididae]. Jul 1989. USA: Parma, Idaho.
- 2875 MG Feng (MD8931). *Metopolophium dirhodum* [Hemiptera: Aphididae]. Jul 1989. USA: Parma, Idaho.
- 2876 MG Feng (MD8932). *Metopolophium dirhodum* [Hemiptera: Aphididae]. Jul 1989. USA: Parma, Idaho.
- 3081 SP Wraight. *Diuraphis noxia* [Hemiptera: Aphididae]. 18 Jul 1990. USA: irrigated barley field, Piedmont Organic Produce Farm, Wellington, Colorado.
- 3082 SP Wraight. *Diuraphis noxia* [Hemiptera: Aphididae]. 28 Jun 1990. USA: non-irrigated barley field, George Varra farm, Fort Collins, Colorado.
- 3126 G Mercadier and TJ Poprawski (9014). *Diuraphis noxia* [Hemiptera: Aphididae] on *Hordeum murinum*. 10 May 1990. France: Montpellier, Hérault.
- 3174 G Mercadier and TJ Poprawski (9015). *Diuraphis noxia* [Hemiptera: Aphididae] on wheat. 11 May 1990. France: Montpellier, Hérault.
- 3175 G Mercadier and TJ Poprawski (9016). *Diuraphis noxia* [Hemiptera: Aphididae] on *Agropyron repens*. 11 May 1990. France: Montpellier, Hérault.
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- 3237 I Majchrowicz (32). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on pea. Jul 1991. USA: Dave Boon, Mt. Vernon, Washington.
- 3238 I Majchrowicz (37). *Aphis fabae* [Hemiptera: Aphididae] on pineapple weed. Jul 1991. USA: Morgan Farm, Mt. Vernon, Washington.
- 3240 I Majchrowicz (58). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on bean. 31 Jul 1991. USA: garden nr. University of Idaho, Moscow, Idaho.
- 3241 I Majchrowicz (83). *Aphis fabae* [Hemiptera: Aphididae] on *Chenopodium album*. 10 Aug 1991. USA: nr. cages, Yakima, Washington.
- 3248 DC Steinkraus (1). *Myzus persicae* [Hemiptera: Aphididae] on turnip greens. 28 Nov 1990. USA: Washington County, Arkansas.
- 3249 DC Steinkraus (2). *Myzus persicae* [Hemiptera: Aphididae] on turnip greens. 28 Nov 1990. USA: Washington County, Arkansas.
- 3250 DC Steinkraus (5). *Myzus persicae* [Hemiptera: Aphididae] on turnip greens. 28 Nov 1990. USA: Washington County, Arkansas.
- 3251 DC Steinkraus (6). *Myzus persicae* [Hemiptera: Aphididae] on turnip greens. 28 Nov 1990. USA: Washington County, Arkansas.
- 3365 N Underwood ← SP Wraight. *Metopolophium dirhodum* [Hemiptera: Aphididae] on late-sown spring wheat. 9 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.
- 3366 N Underwood ← SP Wraight. *Schizaphis graminum* [Hemiptera: Aphididae] on late-sown spring wheat. 5 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.
- 3367 N Underwood ← SP Wraight. *Metopolophium dirhodum* [Hemiptera: Aphididae] on late-sown spring wheat. 5 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.
- 3410 I Majchrowicz (71). *Aphis* sp. [Hemiptera: Aphididae] on *Tanacetum vulgare* L. 8 Aug 1991. USA: Bellingham, Washington.
- 3411 I Majchrowicz (8) ← GL Nordin. *Myzus nicotinae* [Hemiptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.
- 3412 I Majchrowicz ← GL Nordin. *Myzus nicotinae* [Hemiptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.
- 3459 I Majchrowicz (10) ← GL Nordin. *Myzus nicotinae* [Hemiptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.
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- 5371 C Nielsen (KVL 1996-1). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 22 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.
- 5372 C Nielsen (KVL 1996-2). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 20 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.
- 5373 C Nielsen (KVL 1996-3). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 20 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.
- 5374 C Nielsen (KVL 1996-4). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 11 Oct 1996. Denmark: Hegnstrup, Slangerup, Zealand.
- 5403 C Nielsen. *Sitobion avenae* [Hemiptera: Aphididae] on *Hordeum murinum* L. Aug 1995. Denmark: Valbyparken, Copenhagen, Zealand.
- 5707 JL Hatting (5). *Metopolophium dirhodum* [Hemiptera: Aphididae] on *Triticum aestivum* L. 4 Sep 1997. South Africa: Riviersonderend, Western Cape Province.
- 5708 JL Hatting (6). *Metopolophium dirhodum* [Hemiptera: Aphididae] on *Triticum aestivum*. 4 Sep 1998. South Africa: Riviersonderend, Western Cape Province.
- 5995 C Nielsen (KVL 98-21). Alate, *Aphis fabae* [Hemiptera: Aphididae] on *Euonymus europaea*. 9 Oct 1998. Denmark: Copenhagen, Zealand.
- 6166 K Dromph (KVL 633). *Sitobion avenae* [Hemiptera: Aphididae] on *Hordeum murinum*. 13 Aug 1995. Denmark: Valbyparken, Copenhagen, Zealand.
- 6631 PS Duetting (G1). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on *Pisum sativum* cv. Columbia, garden peas. 25 Jun 2000. USA: University of Idaho Kambitsch Research Farm, Latah County, Idaho.
- 6902 MR McGuire. [Hemiptera: Aphididae] from roadside patch of *Malva* sp., mallow. 7 Feb 2001. USA: Intersection of Road 14 and Avenue 22, Madera County, California. Live aphids collected were a mixture of *Myzus persicae* Sulzer and *Aphis gossypii* Glover.
- 7212 AE Hajek (03 NY 7-3-4). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.
- 7213 AE Hajek (03 NY 7-4-1). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.
- 7214 AE Hajek (03 NY 7-4-2). *Aphis glycines* [Hemiptera: Aphididae]. 26 Aug 2003. USA: Field number 4, North Rose, New York.
- 7226 AE Hajek (03 NY 7-4-3). *Aphis glycines* [Hemiptera: Aphididae]. 27 Aug 2003. USA: Field number 4, North Rose, New York.
- 7937 J Enkerli (ETHZ 110). *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 16 Jul 1998. Switzerland: Zurich.
- 7938 *Microlophium carnosum* [Hemiptera: Aphididae]. 2 Jul 1996. Switzerland: Schaffhausen.
- 7939 J Enkerli (ETHZ 115). *Microlophium carnosum* [Hemiptera: Aphididae]. 16 Jul 1998. Switzerland: Zurich.

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- 8607 AE Hajek (03 NY 7-3-4). *Aphis glycines* [Hemiptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.
- 11662 X Zhou (ZAFU1004). *Myzus persicae* [Hemiptera: Aphididae]. 4 Oct 2010. PR China: Lin'an, Hangzhou, Zhejiang Province.
- 11663 KA Koch. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. Jun 2008. USA: University of Minnesota Outreach, Research and Education Park, Rosemount, Minnesota. GPS Coordinates: N 44.7080722, W 93.0993032 Initially isolated from *Acyrtosiphon pisum* Harris, pea aphid.
- 11862 C López Lastra and R Manfrino. *Nasonovia ribisnigri* [Hemiptera: Aphididae] on *Lactuca sativa* L., lettuce. 18 Jun 2012. Argentina: Pereyra, Buenos Aires.
- 11863 C López Lastra and R Manfrino. *Nasonovia ribisnigri* [Hemiptera: Aphididae] on *Lactuca sativa* L., lettuce. 3 Jul 2012. Argentina: Abasto, Buenos Aires.
- Pandora nouryi*** (Remaudière & Hennebert) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
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- 199 [CSIRO EM652] RT Mietkiewski. [Hemiptera: Aphididae] on potato. 1 Sep 1977. USA: Rogers Farm, Stillwater, Maine.
- 362 CSIRO (EM538) ← R Teakle. *Acyrtosiphon kondoi* [Hemiptera: Aphididae]. Rec'd 1979. Australia: Gattton, Queensland.
- 366 [IPLB 1066] CSIRO (EM542) ← JP Latgé. *Theorioaphis maculata* [Hemiptera: Aphididae]. Rec'd 22 Jan 1979. USA.
- 8930 MG Feng (ZJU0603) and ZH Huang. Air-trapped alate, *Lipaphis erysimi* [Hemiptera: Aphididae]. 23 Mar 2006. PR China: Menghai County, Yunnan Province.
- 8931 MG Feng (ZJU0604) and ZH Huang. Air-trapped alate, *Lipaphis erysimi* [Hemiptera: Aphididae]. Jun 2006. PR China: Menghai County, Yunnan Province.
- Paraisaria dubia*** Samson & BL Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 5764 DG Holdom (900118-01). Larva, *Antitrogus rugulosus* [Coleoptera: Scarabaeidae: Melolonthinae] under sugar cane, in sandy soil. Sep 1990. Australia: On the coastal plain south of Brisbane, Rocky Point, Queensland.
- Penicillium* sp.**
[Eurotiomycetes: Eurotiales]
Trichocomaceae. No species of this genus have been satisfactorily demonstrated to be a primary pathogen of insects. Its presence on or in insect cadavers should be interpreted as necrophytic or accidental.
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- 2643 DW Roberts ← VLRM Benassi. *Orthezia praelonga* [Hemiptera: Ortheziidae]. 12 Sep 1988. Brazil: Linhares, Espírito Santo.
- 2747 GW Riethmacher (B4P). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 19 Jan 1989. Philippines: La Trinidad, Benguet.
- 2834 AE Hajek ← K Tatman (MD97#18). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1989. USA: Baltimore County, Maryland.
- 2836 AE Hajek ← K Tatman (MD110#28). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1989. USA: Baltimore County, Maryland.
- 2950 [CP 278] SP Wraight ← E Dias Quintela. *Chalcodermus bimaculatus* [Coleoptera: Curculionidae]. 23 Jun 1989. Brazil: CNPAF, Goiânia, Goiás.
- 3036 W Mechaber (weevil#2272). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Vaccinium angustifolium*. 20 May 1990. USA: Carver, Massachusetts.
- 4143 [DAT 38] AC Rath (F038). Soil. 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4144 [DAT 78] AC Rath (F078). Soil. 31 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4146 [DAT 86] AC Rath (F086). Soil. 28 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4148 [DAT 134] AC Rath (F134) ← Davis. Adult, *Vespula germanica* [Hymenoptera: Vespidae]. 1 Oct 1988. Australia: Davis, RSD4551, Scottsdale, Tasmania.
- 4182 [DAT 225] AC Rath (F225) ← H Yip (HY136). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4223 [DAT 39] AC Rath (F039). Soil. 1987. Australia: Woodbury, Tasmania.
- 4263 [DAT 43] AC Rath (F043) ← RJ Milner (F117). Live, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
- 4666 [DAT 348] AC Rath (F348) ← H Yip (HY10). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 5335 P Narayanasamy. *Hieroglyphus banian* [Orthoptera: Acrididae] Rice foliage. 8 Feb 1996. India: Rice fields, Annamalai University, Tamil Nadu.
- 5733 E Zhioua (AB). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd 11 Jun 1998. USA: Carolina, Rhode Island.
- 6357 5th instar larva, *Zulia colombiana* [Hemiptera: Cercopidae]. 22 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6359 Adult, *Zulia colombiana* [Hemiptera: Cercopidae]. 18 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.
- 6603 M Benjamin (27K). Engorged larva, *Ixodes scapularis* [Acari: Ixodidae]. 25 Aug 2000. USA: New York.
- 7974 BC King (54). *Tetranychus urticae* [Acari: Tetranychidae] from rosemary oil leaf-disc bioassay. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AF455492 (96.79%) ITS. **RESTRICTED ACCESS: consult Curator.**

Penicillium sp.

Pochonia chlamydosporia var. *chlamydosporia*

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7976 BC King (57). *Drosophila* sp. [Diptera: Drosophilidae] from Tanglefoot trap. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AY373925 (100%) ITS. **RESTRICTED ACCESS:** consult Curator.

11681 Z Demirbag (As14) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.

11683 Z Demirbag (As16) ← S Kocaçevik. *Amphimallon solstitiale* [Coleoptera: Scarabaeidae]. 25 Jan 2011. Turkey: Trabzon City, Trabzon.

12048 [ERL 2133] S Gouli (A-12/32) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Aug 2012. USA: Fredericksburg, Texas.

12049 [ERL 2134] S Gouli (A-12/33) and Y Hernaiz Hernandez. Queen, [Hymenoptera: Formicidae]. Sep 2012. USA: Animas, New Mexico.

Penicillium sumatrense Szilvinyi

[Eurotiomycetes: Eurotiales]

Trichocomaceae

7099 CE Beard. Larva, *Camponotus* sp. [Hymenoptera: Formicidae]. Rec'd 3 Apr 2003.

Penicillium thomii Maire

[Eurotiomycetes: Eurotiales]

Trichocomaceae

2056 [NRRL A-27471] GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Penicillium vulpinum (Cooke & Masee) Seifert & Samson

[Eurotiomycetes: Eurotiales]

Trichocomaceae

7057 KT Hodge. From dung. 25 Sep 2002. USA: Ringwood-Lloyd Preserve, Dryden, New York.

Phialophora sp.

[Hyphomycetes]

4751 [DAT 354] AC Rath (F354) ← H Yip (HY4). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

Phialophora malorum (Kidd & Beaumont) McColloch

[Hyphomycetes]

2072 GC Carroll (RSRS-24/68). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Phoma sp.

[Coelomycetes]

9920 [ERL 1755] S Gouli and V Gouli (HWA-G-33). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: Maine.

9923 [ERL 1765] S Gouli and V Gouli (HWA-G-43). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

Phoma cava Schulzer

[Dothideomycetes: Pleosporales]

2071 GC Carroll (HO-O-Hatch VIII). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Plesiospora globosa Drechsler

[Sordariomycetes: Hypocreales]

5608 SL Glockling (N1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Pochonia sp.

[Sordariomycetes: Hypocreales]

10261 CG Wilson (mg4). *Habrotracha elusa elusa* [Bdeloida: Habrotrachidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

12195 DW Roberts (DWR 2172). Isolated from soil sample SS 23218. 2 Jun 2010. USA: Bennett County, South Dakota. N 43.18584, W 101.27654.

Pochonia chlamydosporia (Goddard) Zare & W Gams

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Major synonym: *Verticillium chlamydosporium* Goddard

3314 M Brownbridge. Larva, [Coleoptera: Scarabaeidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.

3539 M Brownbridge (B-1). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 29 Nov 1991. USA: oak stand, Leddy Park, Chittenden County, Vermont.

7128 LA Castrillo. Isolated from soil sample. Summer 2002. USA: Peacemeal Farm, Dixmont, Maine. Single spore isolate established from a CFU.

8478 WC Luz (eco 97). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** consult Curator.

9494 [SRCAMB AS-429] V Likhovidov. Isolated from soil sample. Mar 2002. Russian Federation: Belgorod Region. Field Collection Number F-256.

Pochonia chlamydosporia var. *chlamydosporia*

[Sordariomycetes: Hypocreales]

Clavicipitaceae. Synonym: *Verticillium chlamydosporium* Goddard

2218 [CNPAF 86-06-05-6; CP 214] DW Roberts ← DMF Capalbo. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

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- 7852 [SRCAMB AS-429] V Likhovidov (Fu-39) ← BA Borisov (B-429). Isolated from soil sample. Mar 2002. Russian Federation: Belgorod Region. Field Collection Number F-256.
- 11786 [ERL 2010] S Gouli (THR-11-2) and V Gouli. [Diptera]. 2011. USA: Rupert, Vermont.
- 11801 [ERL 2059] S Gouli and V Gouli (THR-11-48). [Phthiraptera: Anoplura]. 2011. USA: Sharon Springs, New York.
- 11810 [ERL 2070] S Gouli (THR-11-59) and V Gouli. [Diptera]. 2011. USA: Sharon Springs, New York.

Pochonia suchlasporia* var. *catenata (Gams & Dackman) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Major synonym: *Verticillium suchlasporium* var. *catenatum* W. Gams & Dackman

- 2064 [ATCC 64259; CBS 789.85; NRRL A-27472] GC Carroll (E). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Podonectria coccicola Petch
[Dothideomycetes: Dothideales]
Tubeufiaceae

- 3736 AY Rossman ← ME Palm ← Marsicano. 26 Mar 1992. USA: Kissimmee, Florida.

***Polycephalomyces* sp.**
[Sordariomycetes: Hypocreales]

- 9496 [SRCAMB VL-1325/1] V Likhovidov. [Coleoptera]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-619.
- 9497 [SRCAMB VL-1951] V Likhovidov. [Coleoptera: Carabidae]. 25 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-1106.

Polycephalomyces formosus Kobayasi
[Sordariomycetes: Hypocreales]

- 1424 S Balazy (1431). Larva, *Calosoma* sp. [Coleoptera: Carabidae] at ground level in deciduous forest. 29 Jul 1981. Poland: Wielkopolski National Park. Received as *Acremonium terricola* (Miller et al.) W. Gams.

Polycephalomyces ramosus (Peck) Mains
[Sordariomycetes: Hypocreales]

- 4858 JM Sung (C-419). Adult, [Hemiptera: Pentatomidae]. 3 Jul 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University. Mycoparasite on stroma of *Cordyceps* sp. (perhaps *C. nutans*).
- 7095 J Bischoff ← GF Bills and JF White. Larva, [Lepidoptera]. Jun 1999. Mexico: Xalapa.

Pochonia chlamydosporia* var. *chlamydosporia
Purpureocillium lilacinum

Polycephalomyces tomentosus (Schrader) Seifert
[Sordariomycetes: Hypocreales]

- 5353 KT Hodge (kth27). *Hemitrichia serpula* [Trichiales: Trichiaceae]. Oct 1994. USA: Coy Glen, Ithaca, New York.

Powellomyces variabilis Longcore, DJS Barr, Désaulniers
[Chytridiomycetes: Spizellomycetales]
Olpidiaceae

- 6260 MJ Powell. Rec'd 8 Sep 1999.

Pseudogibbellula formicarum (Mains) Samson & HC Evans
[Sordariomycetes: Hypocreales]

- 2913 CBS (433.73) ← HC Evans. [Hemiptera: Cercopidae] on leaf of *Theobroma cacao*. 1973. Ghana: Tafo, Eastern. GenBank ITS sequence: AY945231.
- 5765 DG Holdom (980203-02). [Hemiptera: Flatidae ?] on *Lantana camara*. Mar 1998. Australia: Beechmont, Queensland.
- 5766 DG Holdom (980203-03). [Hemiptera: Flatidae ?] on *Lantana camara*. Mar 1998. Australia: Beechmont, Queensland.

Pseudomeria mucosa GL Barron
[Sordariomycetes: Hypocreales]

- 8993 CG Wilson (std1a). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York.
- 9383 CG Wilson (io5). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. Rec'd 18 Nov 2009. USA: Ithaca, New York.
- 9384 CG Wilson (iy7). May 2009. USA: graveyard, Baker Hill, Dryden, New York.
- 10262 CG Wilson (ns4). *Adineta* sp. [Bdelloida: Adinetidae] maintained in culture as bait. 5 Nov 2009. Japan: Komabano Park, Tokyo, Tokyo Prefecture. Isolated from soil and moss.
- 10272 CG Wilson (mf3). *Adineta* sp. [Bdelloida: Adinetidae]. 30 Sep 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Purpureocillium lilacinum (Thom) Luangsa-ard, Houbraken, Hywel-Jones & Samson
[Sordariomycetes: Hypocreales]

Synonym: *Paecilomyces lilacinus*. Ophiocordycipitaceae. This species is the type of a monotypic new genus erected following the phylogenetic reclassification of *Paecilomyces* Section *Isarioidea*. WARNING: This species can cause human mycoses, mainly of the eye, but probably presents little or no risk if handled with routine sterile microbiological techniques for transfers or bioassay procedures, etc. Avoid chronic and/or large-scale exposure to airborne conidia to minimize any health risks.

- 410 CW McCoy. *Diaprepes abbreviata* [Coleoptera:

- Curculionidae]. 20 Jul 1979. USA: Apopka, Florida.
- 531 DW Roberts (82180-13b). [Hemiptera: Pentatomidae]. 21 Aug 1980. Malaysia.
- 723 [CNPFAF 82-1-6-10; CP 17] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.
- 763 PM Chang. *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 3 Feb 1982. Malaysia: Rice Research Center, Mardi, Bumbong Lima, Icepala Batas, Wellesley Province.
- 986 J Aoki (Paec. 5) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Sugunami, Tokyo Prefecture.
- 1058 [CNPS 30B] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.
- 1951 [CENARGEN CG 301; CNPAF 85-05-02; CP 176] R Pereira. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 2 May 1985. Brazil: Campos, Rio de Janeiro.
- 2078 [CP 196] JC Lord and BP Magalhães. *Deois flavopicta* [Hemiptera: Cercopidae]. 1985. Brazil: Hidrolândia, Goiás.
- 2155 BN Muthappa (PNG 12710). *Anoploleptis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2181 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Matalom, Leyte.
- 2182 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Ormoc, Leyte.
- 2183 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Peru.
- 2184 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: University of the Philippines, Los Baños, Manila.
- 2185 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Carigara, Leyte.
- 2186 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Abuyog, Leyte.
- 2215 [CNPFAF 86-06-05-2; CP 211] DW Roberts ← PMOJ Neves. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2233 K Narayanan (8). *Meloidogyne* sp. [Tylenchida: Heteroderidae]. Rec'd 27 Aug 1986. India.
- 2952 [CP 273] SP Wraight ← CA da Silva. *Lagria vilosa* [Coleoptera: Lagriidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.
- 3047 MS Goettel (4B-A). Soil. Jul 1990. Mali: Mordiah.
- 3049 MS Goettel (4B-B). Soil. Jul 1990. Mali: Mordiah.
- 3469 CENARGEN (CG 181). Soil. Jun 1990. Brazil: Canarana, Mato Grosso.
- 3481 CENARGEN (CG 36). Egg, *Deois flavopicta* [Hemiptera: Cercopidae]. Sep 1991. Brazil: Brasília, Distrito Federal.
- 3511 I Quintela (VL3). Rec'd 13 Dec 1991. Location not specified.
- 3512 I Quintela (VL4). Rec'd 13 Dec 1991. Location not specified.
- 3846 LA Lacey (92144). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] Jasmine. Rec'd 24 Nov 1992. India: Rampur.
- 3854 [JB Tavares BRA-000167] MS Tigano-Milani (CG-371). Rec'd 13 Jan 1993. Brazil.
- 5805 DA Rodríguez Sierra (UJ89001). *Opsiphanes cassinae* [Lepidoptera: Nymphalidae] on *Elaeis guineensis*. Rec'd 7 Aug 1998. Colombia: Cesar.
- 5876 FE Vega (EBCL 98005). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5877 FE Vega (EBCL 98008). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5880 FE Vega (EBCL 98015). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 5882 FE Vega (EBCL 98022). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.
- 6018 BL Parker ← V Gouli (SPT-R-183). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Sep 1998. Russian Federation: Volgograd.
- 6021 BL Parker ← V Gouli (SPT-R-196). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6024 BL Parker ← V Gouli (SPT-R-206). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6026 BL Parker ← V Gouli (SPT-R-246). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6080 BL Parker (SPT-2-319/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiiia.
- 6081 BL Parker (SPT-U-325). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°52.116', E 069°55.812'.
- 6082 BL Parker (SPT-U-329). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6084 BL Parker (SPT-U-306). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.

- 6094 BL Parker (SPT-U-332). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6110 BL Parker (SPT-2-279). Adult, [Coleoptera: Scarabaeidae]. 24 Jan 1999. Syria: Al Kseabiia.
- 6114 BL Parker (SPT-2-345). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.
- 6116 BL Parker (SPT-2-359). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.
- 6117 BL Parker (SPT-U-361). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.
- 6183 FE Vega (EBCL 99017). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 2 Dec 1998. Benin: Porto-Novo, Ouémé.
- 6188 FE Vega (EBCL 99024). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 1998. Benin: Site 3, Niaouli.
- 6190 FE Vega (EBCL 99027). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 1998. Benin: Site 2, Niaouli.
- 6197 FE Vega (EBCL 99036). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 2 Dec 1998. Benin: Porto-Novo, Ouémé.
- 6247 [RCEF 0200] [Hemiptera: Cicadidae]. 12 May 1997. PR China: Anhui.
- 6340 Adult, *Zulia pubescens* [Hemiptera: Cercopidae]. 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.
- 6494 BL Parker (SPT-KZ-431). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**
contact Curator
- 6502 BL Parker (SPT-KZ-461). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:**
contact Curator
- 6621 Acc'd 20 May 2003.
- 6985 [PPRI 7098] JL Hatting. *Diuraphis noxia* [Hemiptera: Aphididae]. 14 Jan 2002. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Free State.
- 7478 [CEP 071] C López Lastra. *Triatoma infestans* [Hemiptera: Reduviidae]. 17 Dec 2003. Argentina: Santiago del Estero.
- 7545 BJ Cole (C25). *Pogonomyrma occidentalis* [Hymenoptera: Formicidae] Colony 3217. Summer 2004. USA: Mesa County, Colorado.
- 7546 BJ Cole (C31). *Pogonomyrma occidentalis* [Hymenoptera: Formicidae] Colony c574. Summer 2004. USA: Mesa County, Colorado.
- 7547 BJ Cole (C40). *Pogonomyrma occidentalis* [Hymenoptera: Formicidae] Colony 620. Summer 2004. USA: Mesa County, Colorado.
- 7548 BJ Cole (C41). *Pogonomyrma occidentalis* [Hymenoptera: Formicidae] Colony c3860. Summer 2004. USA: Mesa County, Colorado.
- 8268 RJ Pereault (plsi#1). Isolated from soil sample. Jul 2006. USA: orchard B, Frankfort, Michigan.
- 8269 RJ Pereault (plsi#2). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.
- 8311 A Monzòn (BE157). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Mar 2006. Nicaragua: Masatepe, Masaya. Soil samples collected from a plot of low input coffee with nitrogen fixing shade species *Albizia saman* (Jacq.) F. Muell. and *Inga laurina* (Sw.) Willd.
- 8312 A Monzòn (BE175). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Mar 2006. Nicaragua: Masatepe, Masaya.
- 8456 RB Rosengaus. Egg, *Nasutitermes corniger* [Isoptera: Termitidae]. 24 Apr 2007. Panama: Smithsonian Tropical Research Institute, Gamboa.
- 8477 WC Luz (eco 86). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8483 WC Luz (eco 112) or (T40). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.
- 8600 [CSIRO FI-0938] 5 Aug 1992. Gray contaminant on Rose Bengal medium.
- 8918 [ERL 196] BL Parker (AVRDC 0058B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 8919 [ERL 213] BL Parker (AVRDC 0286B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 8920 [ERL 267] BL Parker (AVRDC 0527B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 8921 [ERL 268] BL Parker (AVRDC 0529B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 8922 [ERL 280] BL Parker (AVRDC 0587B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.
- 9238 [ERL 688] M Brownbridge (CA-126) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9239 [ERL 818] M Brownbridge (CA-128) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 9240 [ERL 821] M Brownbridge (CA-131) and S Gouli. Isolated from soil sample. 2002. USA: California.
- 9356 ST Jaronski (TX0902). Isolated from soil on dodine medium. Rec'd 10 Nov 2009. USA: onion field, Weslaco, Texas. Plot 6 sample A2 (bulk soil).

- 9357 ST Jaronski (TX0903). Isolated from soil on dodine medium. Rec'd 10 Nov 2009. USA: onion field, Weslaco, Texas. Plot 18 sample A2 (bulk soil).
- 9371 A Morales (#1A). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 5 Nov 2004. USA: Battle Island State Park Golf Course, Fulton, New York.
- 9522 [SRCAMB VL-1330/1] V Likhovidov. Isolated from surface of stroma of *Cordyceps roseus* 10 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-592.
- 9523 [SRCAMB VL-818] V Likhovidov. [Hemiptera: Cicadellidae]. 16 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-756.
- 9524 [SRCAMB VL-2059] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from *Cordyceps* sp. Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-882.
- 9525 [SRCAMB AS-485] V Likhovidov. Isolated from soil sample. 22 May 2004. Ukraine: Askania-Nova Reserve, Kherson Oblast. Field Collection Number F-951.
- 9526 [SRCAMB AS-638] V Likhovidov. Isolated from soil sample. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-1015.
- 9528 [SRCAMB VL-1485/4] V Likhovidov. [Araneida]. 8 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-535.
- 9604 H Cortez Madrigal. [Hemiptera]. Rec'd 5 Mar 2010. Mexico: Yucatán.
- 9610 PB Avery (B2-1) or (1 DAT 10⁻²). *Singhiella simplex* [Hemiptera: Aleyrodidae] on leaf of *Ficus benjamina* L., weeping fig. 27 Sep 2009. USA: Edwards Road, Fort Pierce, Florida. Isolated from a leaf wash.
- 10127 [ERL 588] Rec'd 17 May 2010.
- 10128 [ERL 689] S Gouli (CA-127) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 10129 [ERL 819] S Gouli and V Gouli (CA-129). Isolated from soil sample. 2002. USA: California.
- 10130 [ERL 820] S Gouli (CA-130) and V Gouli. Isolated from soil sample. 2002. USA: California.
- 10225 A Khan. *Edessa mediatubunda* [Hemiptera: Pentatomidae] on *Datura* sp. 20 Jun 2010. West Indies: Barrackpore, Trinidad and Tobago.
- 11749 [ERL 1983] Isolated from soil from ant nest. 2011. USA: Sierra Vista, Arizona.
- 11750 [ERL 1984] Isolated from soil from ant nest. 2011. USA: San Simon, Arizona.
- 11751 [ERL 1985] Isolated from soil from ant nest. 2011. USA: Brady-Eden, Texas.
- 12804 K Aldaco-Cruz and SR Sánchez Peña (248). Isolated from agricultural soil sample,. Jun 2014. Mexico: Saltillo, Coahuila.
- 12898 A Khan (Chag 10) or (CH #4 UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Chaguaramas, Trinidad and Tobago.
- 12899 A Khan (Chag 15) or (CH #8B UWI). Isolated from soil sample using *Galleria mellonella* L. [Lepidoptera: Pyralidae] larvae as bait. 6 May 2014. West Indies: Chaguaramas, Trinidad and Tobago.
- 12912 R Canhilal (224). Isolated from soil sample collected beneath *Citrus* sp., orange tree. 21 Nov 2012. Turkey: Adana.

***Pythium* sp.**

[Peronosporomycetes: Pythiales]

Pythiaceae

- 5731 X Su (51-2). Aug 1994. PR China: Guiyang City , Guizhou Province.
- 5732 X Su (6244). 24 Jun 1995. PR China: Guiyang City , Guizhou Province.

Ramicandelaber longisporus Ogawa, Hayashi, Degawa & Yaguchi

[Kickxellomycotina: Kickxellales]

Originally designated in ARSEF as *Tetrarhiza sinensis* but same fungus published as it *Ramicandelaber longispora*

- 6175 SF Meyer (L0321). Eggs/cysts, *Heterodera glycines* [Tylenchida: Heteroderidae] from roots and soil in soybean field. 30 Aug 1992. PR China: Tong County, Beijing.
- 6176 SF Meyer (L0355). Eggs/cysts, *Heterodera glycines* [Tylenchida: Heteroderidae] from roots and soil in soybean field. 30 Aug 1992. PR China: Tong County, Beijing.
- 6327 RA Humber (1). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6328 RA Humber (2). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6329 RA Humber (3). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6330 RA Humber (4). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6331 RA Humber (5). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6332 RA Humber (6). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6333 RA Humber (7). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6334 RA Humber (8). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6335 RA Humber (9). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
- 6336 RA Humber (10). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

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- 6337 RA Humber (11). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.
6338 RA Humber (12). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

Regiocrella camerunensis Chaverri, JF Bischoff, HC Evans & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae

- 7682 P Chaverri (PC 725) ← HC Evans (I03-1242). 2003. Cameroon: Korup National Park, Sud-Ouest.

***Rhinocladiella(?)* sp.**
[Eurotiomycetes: Chaetothyriales]
Herpotrichiellaceae

- 9365 [ERL 1665] S Gouli and V Gouli (HWA-G-22). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
9922 [ERL 1763] S Gouli and V Gouli (HWA-G-41). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.
12080 [ERL 2167] S Gouli (PS-12/29) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Carya* sp., hickory. Sep 2012. USA: Charlestown, Rhode Island.
12081 [ERL 2168] S Gouli and V Gouli (PS-12/30). Imago, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Carya* sp., hickory. Sep 2012. USA: Charlestown, Rhode Island.
12082 [ERL 2169] S Gouli (PS-12/31) and V Gouli. Larva, *Parthenolecanium* sp. [Hemiptera: Coccidae] on *Quercus rubra* L., northern red oak. Sep 2012. USA: Charlestown, Rhode Island.

Rhizophlyctis rosea (de Bary & Woronin) Fischer
[Chytridiomycetes: Spizellomycetales]
Spizellomycetaceae

- 6261 MJ Powell. Rec'd 8 Sep 1999.

Rhizophydium sphaerotheca Zopf
[Chytridiomycetes: Rhizophydiales]
Rhizophydiaceae

- 6262 MJ Powell. Rec'd 8 Sep 1999.

***Rotiferophthora* sp.**
[Sordariomycetes: Hypocreales]

- 9542 CG Wilson (io3). *Habrotrocha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 12 May 2009. USA: Cornell Lab of Ornithology, Ithaca, New York. Isolated from material collected in a sphagnum bog.
9543 CG Wilson (io10). *Habrotrocha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 12 May 2009. USA: Warren Road, Cornell Research Ponds facility, Ithaca, New York. Isolated from soil.

- 9544 CG Wilson (jp1). *Adineta* sp. [Bdelloida: Adinetidae] maintained in culture as bait. 28 May 2009. Japan: Mount Nikko-Shirane, Gunma Prefecture. Isolated from moss collected from the understory of a conifer forest.
9545 CG Wilson (jp8). *Habrotrocha* sp. [Bdelloida: Habrotrichidae] maintained in culture as bait. 26 May 2009. Japan: park near a river, Shiobara, Tochigi Prefecture. Isolated from moss.
9546 CG Wilson (kara2). *Habrotrocha* sp. [Bdelloida: Habrotrichidae] maintained in culture as bait. 27 May 2009. Japan: Karasawa limestone mine, Tochigi Prefecture. Isolated from moss.
10263 CG Wilson (mg2). *Habrotrocha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.
10264 CG Wilson (mg16). *Habrotrocha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.
10265 CG Wilson (mm28). *Habrotrocha* sp. [Bdelloida: Habrotrichidae] occurring naturally. 7 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.
10266 CG Wilson (na13). *Adineta* sp. [Bdelloida: Adinetidae] occurring naturally. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.
12624 CG Wilson (1N11a). *Adineta* sp. [Bdelloida: Adinetidae] from waterlogged moss patch. 29 Mar 2011. United Kingdom: Japanese Garden, Silwood Park, Berkshire, England.
12625 CG Wilson (2S3b). *Adineta* sp. [Bdelloida: Adinetidae] collected from *Hypnum*, moss on *Quercus robur* L., English oak. 19 Sep 2011. United Kingdom: Silwood Park, Berkshire, England.
12626 CG Wilson (2S14). *Adineta* sp. [Bdelloida: Adinetidae] collected from *Hypnum*, moss on *Quercus robur* L., English oak. 19 Sep 2011. United Kingdom: Silwood Park, Berkshire, England.
12627 CG Wilson (2S60). *Adineta* sp. [Bdelloida: Adinetidae] collected from *Hypnum*, moss on *Quercus robur* L., English oak. 19 Sep 2011. United Kingdom: Silwood Park, Berkshire, England.
12628 CG Wilson (3F6a). *Adineta* sp. [Bdelloida: Adinetidae] collected from *Hypnum*, moss on *Quercus robur* L., English oak. 7 Nov 2011. United Kingdom: Silwood Park, Berkshire, England.
12629 CG Wilson (3T2). *Adineta* sp. [Bdelloida: Adinetidae] collected from *Hypnum*, moss on *Quercus robur* L., English oak. 30 May 2012. United Kingdom: Silwood Park, Berkshire, England.
12630 CG Wilson (WRM2). *Adineta* sp. [Bdelloida: Adinetidae] collected from *Tortula*, moss on roof. 25 Mar

2014. United Kingdom: Silwood Park, Berkshire, England.

Rotiferophthora amamiensis Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5609 SL Glockling (N5). Phylum Rotifera from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Rotiferophthora angustispora (GL Barron) GL Barron
Barron
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5610 SL Glockling (WG). Phylum Rotifera from decaying straw. 10 Aug 1997. United Kingdom: N.E. England.

8991 CG Wilson (ei10). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York.

9385 CG Wilson (io9). 12 May 2009. USA: Cornell Research Ponds facility, Dryden, New York.

9386 CG Wilson (io19). May 2009. USA: Ithaca, New York.

9498 [SRCAMB VL-1709/2] V Likhovidov. [Trichoptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-774.

Rotiferophthora barronii Glockling
[Sordariomycetes: Hypocreales]

10267 CG Wilson (iy23). *Adineta* sp. [Bdelloida: Adinetidae]. May 2009. USA: graveyard, Lansing, New York. Isolated from moss and soil.

Rotiferophthora brevipes GL Barron
[Sordariomycetes: Hypocreales]

8994 CG Wilson (ned1). 25 Oct 2008. USA: Cornell Research Ponds facility, Neimi Site, Dryden, New York.

Rotiferophthora cylindrospora GL Barron
[Sordariomycetes: Hypocreales]

8992 CG Wilson (std1b). *Habrotricha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York. Isolated from moss and waterfowl droppings.

9547 CG Wilson (iy10). *Habrotricha* sp. [Bdelloida: Habrotrichidae]. May 2009. USA: graveyard, Lansing, New York. Isolated from soil.

9548 CG Wilson (iy24). *Habrotricha* sp. [Bdelloida: Habrotrichidae]. 12 May 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from mud.

10273 CG Wilson (Lt39). *Habrotricha elusa elusa* [Bdelloida: Habrotrichidae]. 14 Sep 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York.

Rotiferophthora denticulospora GL Barron
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5614 SL Glockling (RW2a). Phylum Rotifera from rabbit dung. 1 Jul 1997. United Kingdom: Cheshire, England.

9549 CG Wilson (iy21). *Habrotricha* sp. [Bdelloida: Habrotrichidae]. 12 May 2009. USA: Warren Road, field near Cornell Research Ponds facility, Ithaca, New York. Isolated from soil.

Rotiferophthora globospora GL Barron
[Sordariomycetes: Hypocreales]

8995 CG Wilson (ei16). 25 Oct 2008. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

Rotiferophthora guttulaspora GL Barron
[Sordariomycetes: Hypocreales]

10269 CG Wilson (nr12). *Habrotricha elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Rotiferophthora intermedia (GL Barron) GL Barron
[Sordariomycetes: Hypocreales]

10270 CG Wilson (wet17). *Habrotricha elusa* [Bdelloida: Habrotrichidae]. 3 Jul 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York.

Rotiferophthora japonica Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5611 SL Glockling (Nelumbo). Phylum Rotifera from lotus leaves. 24 Oct 1995. Japan: Tokyo, Tokyo Prefecture.

Rotiferophthora lacrima Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5612 SL Glockling (LD4). Phylum Rotifera from decaying vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

Rotiferophthora minutispora Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5613 SL Glockling (12). Phylum Rotifera from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.

Rotiferophthora ovispora (GL Barron) GL Barron
[Sordariomycetes: Hypocreales]

10274 CG Wilson (db1). *Habrotricha elusa elusa* [Bdelloida: Habrotrichidae] maintained in culture as bait. 12 May 2008. USA: Tower Road, Cornell University, Ithaca, New York. Isolated from soil collected beneath a tree.

Rotiferophthora tagenophora (Drechsler) GL Barron
[Sordariomycetes: Hypocreales]

9387 CG Wilson (io21). May 2009.

***Saprolegnia* sp.**

[Oomycetes: Saprolegniales]
Saprolegniaceae

- 179 I MacDaniel. Larva, [Diptera: Simuliidae]. 18 Jun 1977. USA: Little River, South Penobscot, Maine.
180 I MacDaniel. Larva, [Diptera: Simuliidae]. 18 Jun 1977. USA: Little River, South Penobscot, Maine.
6427 CE Beard (DP0100). [Diptera: Chironomidae]. 26 Jan 2000. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.

***Schizangiella* sp.**

[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

- 2237 R Blaschke-Hellmessen (1). *Elaphe* sp. [Squamata: Colubridae] from granuloma in gut. Rec'd 30 Sep 1986. Germany: Dresden.
2239 R Blaschke-Hellmessen (14). *Elaphe* sp. [Squamata: Colubridae] from granuloma in gut. Acc'd 30 Sep 1986. Germany: Dresden.

Schizangiella serpentis Humber (sp. nov., unpubl.)

[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

- 203 AA Padhye (CDC 76-075022). Female adult, *Crotalus horridus* [Squamata: Viperidae]. May 1974. USA: Baltimore Zoological Park, Baltimore, Maryland.
8000 B Burwell ← R Legge. *Elaphe obsoleta* [Squamata: Colubridae]. 23 Feb 2006. USA: Powhatan School, Boyce, Virginia.
8047 B Burwell ← R Legge. *Elaphe obsoleta* [Squamata: Colubridae]. 14 Jun 2006. USA: Powhatan School, Boyce, Virginia. Isolated during necropsy of snake from which ARSEF 8000 was previously obtained.

***Scopulariopsis* sp.**

[Sordariomycetes: Microascales]

- 2169 BN Muthappa (PNG 12725). [Coleoptera: Curculionidae]. Rec'd 12 May 1986. Papua New Guinea.
2255 TJ Poprawski (8628). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] on oak tree. 7 Jul 1986. France: Porto-Vecchio, Corsica.
2327 TJ Poprawski (8651). Nymph, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] on potato. 6 Nov 1986. France: Cognac, Charente.
2328 TJ Poprawski (8652). Pupa, *Lucilia illustris* [Diptera: Calliphoridae] on chicken dung. 16 Oct 1986. France: Béhoust, Yvelines.
3189 GW Riethmacher (B43c). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 3 May 1990. Philippines: La Trinidad, Benguet.

- 3203 GW Riethmacher (EB10). *Plutella xylostella* [Lepidoptera: Plutellidae]. 12 Mar 1990. Philippines: La Trinidad, Benguet.
5164 S Gouli (GP-68). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
6624 Acc'd 28 May 2003.
8421 AE Hajek (WU6). *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Jul 2000. PR China: Wuhe, Anhui.
8422 AE Hajek (WU18). Jul 2000. PR China: Wuhe, Anhui.
8423 AE Hajek (WU21). Jul 2000.
8825 [CSIRO FI-1201] *Bemisia tabaci* [Hemiptera: Aleyrodidae] on *Brassica oleracea* L., cabbage. 30 Dec 1996. French Polynesia: Tahiti.
8826 [CSIRO FI-1202] *Bemisia tabaci* [Hemiptera: Aleyrodidae] on *Brassica oleracea* L., cabbage. 30 Dec 1996. French Polynesia: Tahiti.
8827 [CSIRO FI-1206] *Bemisia tabaci* [Hemiptera: Aleyrodidae] on *Lantana camara* L., lantana. 30 Dec 1996. French Polynesia: Tahiti.
10309 [ERL 1954] S Gouli and V Gouli (SB-10-1). *Halymorpha halys* [Hemiptera: Pentatomidae]. Sep 2010. USA: New Jersey.
10310 [ERL 1955] S Gouli (SB-10-2) and V Gouli. *Halymorpha halys* [Hemiptera: Pentatomidae]. Oct 2010. USA: New Jersey.
11652 [ERL 264] BL Parker (AVRDC 0518B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

Scopulariopsis brevicaulis (Saccardo) Bainier

[Sordariomycetes: Microascales]
Microasceae

- 9943 A Torres Barragan (Ral12T). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from vermicompost. Rec'd 23 Apr 2010. USA: Raleigh, North Carolina.

Septobasidium apiculatum Couch

[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

- 7096 DA Henk (DAH 093). on *Quercus phellos* L., Willow Oak2 May 2002. USA: Boligee, Alabama.

Septobasidium burtii Lloyd

[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

- 7097 DA Henk (DAH 129A). on *Quercus phellos* L., Willow Oak24 Jul 2002. USA: Duke University campus, corner of Anderson and East Campus Drive, Durham, North Carolina.

7098 DA Henk (DAH 129B). on *Quercus phellos* L., Willow Oak24 Jul 2002. USA: Duke University campus, corner of Anderson and East Campus Drive, Durham, North Carolina.

Septobasidium carestianum Bresadola
[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

6473 DJ McLaughlin (DJM 644-SS6). [Hemiptera: spf. Coccoidea] on branches of *Cornus* sp. 29 Jun 1989. USA: Camp Gray, Baraboo, Wisconsin. Reference specimen in MIN.

Simplicillium sp.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6584 G Sewify (6). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. Jul 1999. Egypt.

Simplicillium lamellicola (FEV Smith) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Verticillium lamellicola* (F.E.V. Smith) W Gams

1367 S Balazy (1541) ← Wisniewski. [Acari: Oribatidae]. 29 Apr 1983. Poland: coniferous forest, Zwierzyniec, nr. Grodzisk, Warsaw.

6448 [NRRL 52709] Z G/Tsodik (1-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

9479 [SRCAMB VL-1786] V Likhovidov. *Carabus* sp. [Coleoptera: Carabidae]. 29 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-738.

9480 [SRCAMB VL-1760/1] V Likhovidov. [Diptera: Muscidae]. 27 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-856.

9481 [SRCAMB VL-1695] V Likhovidov. [Hemiptera: Aleyrodidae]. 18 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-504.

11727 I Erper (TR-01). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Giresun Province.

11728 I Erper (TR-02). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Ordu Province.

11729 I Erper (TR-03). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Giresun Province.

11732 I Erper (TR-06). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Sakarya Province.

11735 I Erper (TR-09). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Samsun Province.

11737 I Erper (TR-11). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Sakarya Province.

Simplicillium lamellicola(?) (FEW Smith) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7989 Acc'd 26 Apr 2006. **RESTRICTED ACCESS:** consult Curator.

11725 T Wen (09XS-2). Pupa, [Lepidoptera]. 2009. PR China: Xishan, Kunming, Yunnan Province.

11738 I Erper (TR-12). *Palomena prasina* [Hemiptera: Pentatomidae]. Rec'd 6 Feb 2012. Turkey: Ordu Province.

11740 I Erper (TR-14). Host unknown. Rec'd 6 Feb 2012. Turkey: Samsun Province.

Simplicillium lanosoniveum (F. H. Beyma) Zare & W. Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6430 [EMBRAPA/CPAC] DEN Rangel (CPAC H1). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 14 Feb 2000. French Guiana.

6431 [EMBRAPA/CPAC] DEN Rangel (CPAC H3). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 14 Feb 2000. French Guiana.

6432 [EMBRAPA/CPAC] DEN Rangel (CPAC H6). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 14 Feb 2000. French Guiana.

6636 SB Alves (ESALQ 1226). *Leptopharsa heveae* [Hemiptera: Tingidae]. 28 Sep 1998. Brazil: Itiquira, Mato Grosso.

6637 SB Alves (ESALQ 1227). *Leptopharsa heveae* [Hemiptera: Tingidae]. 28 Sep 1998. Brazil: Itiquira, Mato Grosso.

6642 SB Alves (ESALQ 1237). *Leptopharsa heveae* [Hemiptera: Tingidae]. 11 Nov 1998. Brazil: Brasília, Distrito Federal.

7623 [SRCAMB VL-879] V Likhovidov. *Parthenolecanium corni* [Hemiptera: Coccidae]. Aug 2002. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-232.

8822 WC Luz. [Diptera: Culicidae] Culicine mosquito. Nov 2008. Tanzania: 8°23' S, 36°40' E (Ulanga District), Lupiro, Morogoro.

Simplicillium lanosoniveum(?) (F. H. Beyma) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7988 Rec'd 29 Mar 2006. **RESTRICTED ACCESS:** consult Curator.

***Smittium* sp.**

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9034 RW Lichtwardt (CR-259-4). [Diptera: Chironomidae]. Nov 1991. Costa Rica.
- 9035 RW Lichtwardt (CR-239-12). *Tanytarsus* sp. [Diptera: Chironomidae]. Nov 1991. Costa Rica.
- 9038 RW Lichtwardt (TN-24-W8). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9050 RW Lichtwardt (NOR-59-2). *Psectrocladius limbatus* [Diptera: Chironomidae]. Aug 2002. Norway.
- 9051 RW Lichtwardt (OR-4-W6). [Diptera]. Sep 2006. USA: Oregon.
- 9065 RW Lichtwardt (ALG-16-W28). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9070 RW Lichtwardt (TN-27-W1B). Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9072 RW Lichtwardt (NOR-25-W10A). May 2002. Norway.
- 9079 RW Lichtwardt (culture 12-1-3). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9081 RW Lichtwardt (TN-24-W11). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9086 RW Lichtwardt (OR-18-W33). [Diptera: Tipulidae]. Sep 2005. USA: Oregon.
- 9087 RW Lichtwardt (AR-19-4S). [Diptera: Chironomidae]. Nov 1992. USA: Madison County, Arkansas.
- 9088 RW Lichtwardt (ALG-16-W27). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9119 RW Lichtwardt (ARG-17-4F). [Plecoptera: Gripopterygidae]. Jul 1996. Argentina: Neuquén.
- 9120 RW Lichtwardt (CR-169-22). *Polypedilum* sp. [Diptera: Chironomidae]. Jun 1988. Costa Rica.
- 9121 RW Lichtwardt (MO-16-2). *Orthocladius* sp. [Diptera: Chironomidae]. Jun 1988. USA: Missouri.
- 9145 RW Lichtwardt (MO-6-5). [Diptera: Chironomidae]. Apr 1993. USA: Missouri.
- 9146 RW Lichtwardt (SWE-3-5). *Orthocladius* sp. [Diptera: Chironomidae]. Jul 1971. Sweden: Norrbotten.
- 9147 RW Lichtwardt (SWI-7-6). *Pseudokiefferiella* sp. [Diptera: Chironomidae]. Aug 1971. Switzerland.
- 9148 RW Lichtwardt (TN-46-W8B). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9265 RW Lichtwardt (ALG-16-WXXX). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

Smittium acutum Lichtwardt & Grigg

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9092 RW Lichtwardt (OK-5-1). [Diptera: Chironomidae]. May 1990. USA: Haskell County, Oklahoma.

Smittium angustum MC Williams & Lichtwardt

[Kickxellomycotina: Harpellales]

- 9241 RW Lichtwardt (AUS-126-30). *Tanytarsus* sp. [Diptera: Chironomidae]. Apr 1991. Australia: Western Australia.

Smittium annulatum Lichtwardt

[Kickxellomycotina: Harpellales]

- 9242 RW Lichtwardt (CR-143-8). [Diptera: Simuliidae]. May 1988. Costa Rica.

Smittium caudatum Lichtwardt & Grigg

[Kickxellomycotina: Harpellales]

- 9000 RW Lichtwardt (OK-3-20). [Diptera: Chironomidae]. Jan 1989. USA: Oklahoma.
- 9261 RW Lichtwardt (OK-3-21). [Diptera: Chironomidae]. Jan 1989. USA: Haskell County, Oklahoma.

Smittium coloradense Lichtwardt & MC Williams

[Kickxellomycotina: Harpellales]

- 9001 RW Lichtwardt (RMBL-13-41). *Cricotopus* sp. [Diptera: Chironomidae]. Jul 1985. USA: Gunnison County, Colorado.
- 9002 RW Lichtwardt (RMBL-13-49). *Orthocladius* sp. [Diptera: Chironomidae]. Jul 1985. USA: Gunnison County, Colorado.

Smittium commune Lichtwardt & Grigg

[Kickxellomycotina: Harpellales]

Harpellaceae

- 9085 RW Lichtwardt (KS-2-25). [Diptera: Chironomidae]. Mar 1989. USA: Douglas County, Kansas.
- 9243 RW Lichtwardt (KS-5-4). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.
- 9244 RW Lichtwardt (KS-5-7). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.
- 9245 RW Lichtwardt (KS-5-8). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.

Smittium culicis Manier

[Kickxellomycotina: Harpellales]

Harpellaceae

- 5431 RW Lichtwardt (ARG-X-3) ← C Lopez Lastra (#2). 4th instar larva, *Culex renatoi* [Diptera: Culicidae] on *Eryngium cabreriae*. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.
- 5432 RW Lichtwardt (ARG-X-4) ← C López Lastra (#3). 4th instar larva, *Aedes albifasciatus* [Diptera: Culicidae]. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.
- 9003 RW Lichtwardt (43-1-2). *Chironomus* sp. [Diptera: Chironomidae]. Aug 1996. Australia: Tasmania.

- 9004 RW Lichtwardt (ARG-X-4). *Aedes albifasciatus* [Diptera: Culicidae]. May 1995. Argentina: La Plata, Buenos Aires.
- 9005 RW Lichtwardt (AUS-62-10). *Austrothaumalea* sp. [Diptera: Thaumaleidae]. Mar 1987. Australia: Victoria.
- 9006 RW Lichtwardt (AUS-62-16). *Limonia* sp. [Diptera: Tipulidae]. Mar 1987. Australia: Victoria.
- 9007 RW Lichtwardt (LCF-43-2). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.
- 9008 RW Lichtwardt (LEA-7-10). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.
- 9009 RW Lichtwardt (WYO-51-11). *Aedes sticticus* [Diptera: Culicidae]. Sep 1965. USA: Teton County, Wyoming.
- 9010 RW Lichtwardt (GSMNP). [Diptera: Culicidae]. Dec 1989. USA: Great Smoky Mountains National Park, Tennessee.
- 9011 RW Lichtwardt (NY-2-C25). [Diptera: Chironomidae]. Nov 1998. USA: New York.
- 9031 RW Lichtwardt (ARG-X-3). [Diptera: Culicidae]. 1997. Argentina: Buenos Aires.
- 9040 RW Lichtwardt (AUS-62-17). *Limonia* sp. [Diptera: Tipulidae]. Mar 1987. Australia: Victoria.
- 9041 RW Lichtwardt (AUS-62-6). *Austrothaumalea* sp. [Diptera: Thaumaleidae]. Mar 1987. Australia: Victoria.
- 9045 RW Lichtwardt (FRA-15-5). *Chironomus* sp. [Diptera: Chironomidae]. Jul 1968. France: nr. Grenoble, Isère.
- 9046 RW Lichtwardt (FRA-15-7). *Chironomus* sp. [Diptera: Chironomidae]. Jul 1968. France: nr. Grenoble, Isère.
- 9057 RW Lichtwardt (T-12-1-4). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9059 RW Lichtwardt (UT-11-W(a)). [Diptera]. Jan 2006. USA: Utah.
- 9073 RW Lichtwardt (ALG-16-W3). [Diptera: Culicidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9074 RW Lichtwardt (ZEA-6-3). *Culex pervigilans* [Diptera: Culicidae]. Jul 1983. New Zealand: North Island.
- 9084 RW Lichtwardt (LCF-8-1). [Diptera: Thaumaleidae]. Dec 1997. New Zealand: North Island.
- 9091 RW Lichtwardt (ALG-5-W8). [Diptera: Tipulidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9093 RW Lichtwardt (LCF-43-12). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.
- 9123 RW Lichtwardt (culture 12-1-2). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9124 RW Lichtwardt (culture 35-1-1). [Diptera: Thaumaleidae]. Aug 1996. Australia: Tasmania.
- 9125 RW Lichtwardt (AUS-77-5). *Tanytarsus* sp. [Diptera: Chironomidae]. Mar 1987. Australia: Tasmania.
- 9126 RW Lichtwardt (CAN-X-1). *Prosimulium* sp. [Diptera: Simuliidae]. 1962. Canada.
- 9127 RW Lichtwardt (FRA-6-16). [Diptera: Chironomidae]. Jun 1968. France: Hérault.
- 9128 RW Lichtwardt (FRA-9-1). *Culex* sp. [Diptera: Culicidae]. Jun 1968. France: Hérault.
- 9129 RW Lichtwardt (FRA-15-2). [Diptera: Chironomidae]. Jul 1968. France: Southeastern France.
- 9130 RW Lichtwardt (WYO-51-14). *Aedes sticticus* [Diptera: Culicidae]. Sep 1965. USA: Teton County, Wyoming.
- 9140 RW Lichtwardt (culture 12-1-1). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9141 RW Lichtwardt (culture 12-1-4). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.
- 9142 RW Lichtwardt (culture 43-1-2). *Chironomus* sp. [Diptera: Chironomidae]. Aug 1996. Australia: Tasmania.
- 9143 RW Lichtwardt (ALG-5-W2b). *Dactyolabis montana* [Diptera: Tipulidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.
- 9149 RW Lichtwardt (FRA-8-7). *Culex* sp. [Diptera: Culicidae]. Jun 1968. France: Montpellier, Hérault.
- Smittium culicisoides*** Lichtwardt
[Kickxellomycotina: Harpellales]
Harpellaceae
-
- 9044 RW Lichtwardt (CR-253-12). [Diptera: Chironomidae]. Nov 1991. Costa Rica.
- Smittium culisetae*** Lichtwardt
[Kickxellomycotina: Harpellales]
Harpellaceae
-
- 5200 C López Lastra (2^o). Larva, *Aedes crinifer* [Diptera: Culicidae]. 24 Nov 1995. Costa Rica: Buenos Aires, Puntarenas.
- 5430 RW Lichtwardt (ARG-X-2) ← C Lopez Lastra (#1). 4th instar larva, *Culex dolosus* [Diptera: Culicidae]. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.
- 6810 CE Beard (DP170696). Cytospecies IIII-1, *Simulium vittatum* [Diptera: Simuliidae]. 17 Jun 1996. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.
- 7100 CE Beard. 25 Feb 2003. USA: Bull Pen Bog, Jackson County, North Carolina.
- 9012 RW Lichtwardt (COL-18-3). *Culiseta impatiens* [Diptera: Culicidae]. Aug 1963. USA: Gunnison County, Colorado.
- 9013 RW Lichtwardt (FL-X-1). *Aedes albopictus* [Diptera: Culicidae]. Mar 1993. USA: Florida.

- 9014 RW Lichtwardt (HAW-14-8). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9015 RW Lichtwardt (JAP-77-9). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.
- 9016 RW Lichtwardt (KS-108-02). *Aedes vexans* [Diptera: Culicidae]. Apr 2004. USA: Douglas County, Kansas.
- 9017 RW Lichtwardt (KS-108-06). *Aedes vexans* [Diptera: Culicidae]. Apr 2004. USA: Douglas County, Kansas.
- 9018 RW Lichtwardt (LEA-7-4). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.
- 9024 RW Lichtwardt (La-6a-L1). [Diptera: Culicidae]. Feb 2002. USA: Baton Rouge Parish, Louisiana.
- 9025 RW Lichtwardt (AUS-2-8). *Chironomus alternans* [Diptera: Chironomidae]. Jul 1983. Australia: New South Wales.
- 9026 RW Lichtwardt (KAU-W-4). [Diptera: Culicidae]. Oct 1984. USA: Kauai, Hawaii.
- 9032 RW Lichtwardt (SC-DP-1). *Simulium vittatum* [Diptera: Simuliidae]. Jun 1996. USA: Pickens County, South Carolina.
- 9039 RW Lichtwardt (TN-27-A8). *Ochlerotatus japonicus* [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9047 RW Lichtwardt (HAW-5-8). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Hawaii.
- 9048 RW Lichtwardt (JAP-30-4). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.
- 9056 RW Lichtwardt (SMO599). *Culex restuans* [Diptera: Culicidae]. May 1999. USA: Pickens County, South Carolina.
- 9058 RW Lichtwardt (TN-46-6). [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9062 RW Lichtwardt (WYO-44-9). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.
- 9069 RW Lichtwardt (TN-27-A8). *Ochlerotatus japonicus* [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9071 RW Lichtwardt (TN-46-A10). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9075 RW Lichtwardt (ARG-X-5). [Diptera: Culicidae]. 1997. Argentina: La Plata, Buenos Aires.
- 9094 RW Lichtwardt (ARG-X-1). *Aedes crinifer* [Diptera: Culicidae]. 1997. Argentina: La Plata, Buenos Aires.
- 9095 RW Lichtwardt (CAL-X-2). *Culiseta incidens* [Diptera: Culicidae]. 1962. USA: California.
- 9096 RW Lichtwardt (CLW-2-44). *Simulium vittatum* [Diptera: Simuliidae]. 1965. USA: Minnesota.
- 9097 RW Lichtwardt (FRA-7-1). *Dasyhelea* sp. [Diptera: Ceratopogonidae]. Jun 1968. France.
- 9098 RW Lichtwardt (HAW-E-2). [Diptera: Culicidae]. Oct 1982. USA: Hawaii.
- 9099 RW Lichtwardt (HAW-5-5). *Aedes albopictus* [Diptera: Culicidae]. Dec 1963. USA: Oahu, Hawaii.
- 9100 RW Lichtwardt (HAW-5-7). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Oahu, Hawaii.
- 9101 RW Lichtwardt (HAW-5-9). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Oahu, Hawaii.
- 9102 RW Lichtwardt (HAW-13-2). *Aedes vexans* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9103 RW Lichtwardt (HAW-13-3). *Aedes vexans* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9104 RW Lichtwardt (HAW-14-5). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9105 RW Lichtwardt (HAW-14-5M). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9106 RW Lichtwardt (HAW-14-7). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.
- 9107 RW Lichtwardt (JAP-30-3). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.
- 9108 RW Lichtwardt (JAP-30-8). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.
- 9109 RW Lichtwardt (JAP-57-1). [Diptera: Culicidae]. Jul 1964. Japan: Honshu.
- 9110 RW Lichtwardt (JAP-77-7). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.
- 9111 RW Lichtwardt (JAP-77-8). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.
- 9112 RW Lichtwardt (LEA-7-2). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.
- 9113 RW Lichtwardt (TN-24-A3). [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.
- 9114 RW Lichtwardt (WYO-42-26). *Orthocladus* sp. [Diptera: Chironomidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.
- 9115 RW Lichtwardt (WYO-44-1). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.
- 9131 RW Lichtwardt (ARG-X-2). *Culex dolosus* [Diptera: Culicidae]. Nov 1995. Argentina: Buenos Aires.
- 9132 RW Lichtwardt (SWI-4-13). [Diptera: Chironomidae]. Aug 1971. Switzerland.
- 9133 RW Lichtwardt (WYO-44-8). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.
- 9246 RW Lichtwardt (NE-27-1). *Aedes vexans* [Diptera: Culicidae]. Jul 1979. USA: Kearney County, Nebraska.
- 9247 RW Lichtwardt (WYO-44-15). [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.

Smittium cylindrosporum Lichtwardt & Arenas
[Kickxellomycotina: Harpellales]

- 9116 RW Lichtwardt (CHI-27-1). *Cricotopus* sp. [Diptera: Chironomidae]. Dec 1993. Chile: Southern Chile.
9248 RW Lichtwardt (CHI-20-04). *Cricotopus* sp. [Diptera: Chironomidae]. Oct 1993. Chile: Southern Chile.
9249 RW Lichtwardt (CHI-20-7). *Cricotopus* sp. [Diptera: Chironomidae]. Oct 1993. Chile: Southern Chile.

Smittium dipterorum Lichtwardt
[Kickxellomycotina: Harpellales]

- 9250 RW Lichtwardt (CR-254-13). *Chironomus* sp. [Diptera: Chironomidae]. Nov 1991. Costa Rica.
9263 RW Lichtwardt (CR-253-14). *Simulium* sp. [Diptera: Simuliidae]. Nov 1991. Costa Rica.

Smittium elongatum Lichtwardt
[Kickxellomycotina: Harpellales]

- 9251 RW Lichtwardt (AUS-59-5S). [Diptera: Chironomidae]. Mar 1987. Australia: Victoria.

Smittium fecundum Lichtwardt & MC Williams
[Kickxellomycotina: Harpellales]
Legeriomycetaceae

- 9022 RW Lichtwardt (RMBL-64-5). *Psectrocladius* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.
9083 RW Lichtwardt (RMBL-61-13). *Psectrocladius* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.

Smittium gravimetallum Lichtwardt, Ferrington & Harford
[Kickxellomycotina: Harpellales]

- 9029 RW Lichtwardt (KS-F1-15). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.
9036 RW Lichtwardt (KS-F1-5). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.
9264 RW Lichtwardt (KS-F1-14). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.

Smittium imitatum Lichtwardt & Arenas
[Kickxellomycotina: Harpellales]
Harpellaceae

- 9033 RW Lichtwardt (CHI-9-4). *Simulium* sp. [Diptera: Simuliidae]. Dec 1993. Chile: Los Lagos.

Smittium lentaquaticum Siri, MM White & Lichtwardt
[Kickxellomycotina: Harpellales]

- 9068 RW Lichtwardt (TN-27-A4). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

- 9082 RW Lichtwardt (TN-27-A5). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

- 9253 RW Lichtwardt (TN-27-A3(s)). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

Smittium megazygosporum Manier & Coste
[Kickxellomycotina: Harpellales]
Harpellaceae

- 6275 CE Beard (DP161096). Cytospecies IIII-1, *Simulium vittatum* [Diptera: Simuliidae]. 16 Oct 1996. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.

- 9037 RW Lichtwardt (SC-DP-2). *Simulium vittatum* [Diptera: Simuliidae]. Jun 1997. USA: Pickens County, South Carolina.

Smittium megazygosporum(?)
[Kickxellomycotina: Harpellales]

- 9027 RW Lichtwardt (BLH-16). *Orthocladus* sp. [Diptera: Chironomidae]. Jan 1999. USA: Chase County, Kansas.

Smittium morbosum Sweeney
[Kickxellomycotina: Harpellales]
Harpellaceae

- 9060 RW Lichtwardt (WKRa). *Ochlerotatus triseriatus* [Diptera: Culicidae]. Sep 2006. USA: South Carolina.
9061 RW Lichtwardt (WKRb). *Ochlerotatus triseriatus* [Diptera: Culicidae]. Sep 2006. USA: South Carolina.

Smittium mucronatum Manier & Mathiez ex Manier
[Kickxellomycotina: Harpellales]
Harpellaceae

- 9028 RW Lichtwardt (FRA-12-3). *Psectrocladius sordidellus* [Diptera: Chironomidae]. Jul 1968. France: Hérault.

- 9063 RW Lichtwardt (ALG-10-S8). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

- 9067 RW Lichtwardt (ALG-7-W7). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

- 9090 RW Lichtwardt (ALG-7-W6). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

- 9144 RW Lichtwardt (ALG-7-W10). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

Smittium orthocladii Manier
[Kickxellomycotina: Harpellales]
Harpellaceae

- 9080 RW Lichtwardt (TN-3-4). [Diptera: Chironomidae]. Dec 1989. USA: Sumner County, Tennessee.

***Smittium perforatum*(?)**

[Kickxellomycotina: Harpellales]

9055 RW Lichtwardt (RMBL-44-3). *Diamesa* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.

Smittium phytotelmatum Lichtwardt[Kickxellomycotina: Harpellales]
Harpellaceae

9076 RW Lichtwardt (CR-133-2). *Chironomus* sp. [Diptera: Chironomidae]. May 1988. Costa Rica.

Smittium simulatum Lichtwardt & Arenas[Kickxellomycotina: Harpellales]
Harpellaceae

9042 RW Lichtwardt (CHI-8-7). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

9078 RW Lichtwardt (CHI-8-3). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

9117 RW Lichtwardt (CHI-8-4). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

Smittium simulii Lichtwardt

[Kickxellomycotina: Harpellales]

9019 RW Lichtwardt (JAP-32-4). [Diptera: Chironomidae]. May 1964. Japan: Shikoku.

9043 RW Lichtwardt (CLW-10-6). *Simulium* sp. [Diptera: Simuliidae]. Aug 1965. USA: Minnesota.

9049 RW Lichtwardt (JAP-57-5). [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.

9118 RW Lichtwardt (CLW-10-5). *Simulium* sp. [Diptera: Simuliidae]. 1965. USA: Minnesota.

9134 RW Lichtwardt (CLW-9-15). *Simulium* sp. [Diptera: Simuliidae]. 1965. USA: Minnesota.

9135 RW Lichtwardt (JAP-31-7). *Simulium uchidai* [Diptera: Simuliidae]. May 1964. Japan: Shikoku.

9136 RW Lichtwardt (JAP-33-2). [Diptera: Chironomidae]. May 1964. Japan: Shikoku.

9137 RW Lichtwardt (JAP-51-5). *Simulium* sp. [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.

9138 RW Lichtwardt (JAP-51-18). *Simulium* sp. [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.

9139 RW Lichtwardt (SWE-8-4). *Diamesa* sp. [Diptera: Chironomidae]. Jul 1971. Sweden: Norrbotten.

Smittium stenoporum

[Kickxellomycotina: Harpellales]

9023 RW Lichtwardt (OK-3-14). *Cricotopus* sp. [Diptera: Chironomidae]. Jan 1989. USA: Haskell County, Oklahoma.

Smittium tipulidarum MC Williams & Lichtwardt

[Kickxellomycotina: Harpellales]

9052 RW Lichtwardt (RMBL-14-10). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

9053 RW Lichtwardt (RMBL-31-2). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

9054 RW Lichtwardt (RMBL-31-4). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

9122 RW Lichtwardt (RMBL-31-1). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

Smittium tronadorium Lichtwardt, Ferrington &

López Lastra

[Kickxellomycotina: Harpellales]

9030 RW Lichtwardt (ARG-24-20F). *Paraheptagyia* sp. [Diptera: Chironomidae]. Nov 1996. Argentina: Río Negro.

***Sorospora* sp.**

[Sordariomycetes: Hypocreales]

377 JE Henry (118). ?*Melanoplus* sp. [Orthoptera: Acrididae]. Rec'd Jul 1980. USA: Montana.

Sorospora uella (Krassiltschik) Giard

[Sordariomycetes: Hypocreales]

Sorospora is the chlamydosporic state of fungi whose conidial states are classified as *Syngliocladium* species. Clumps of chlamydospores germinate and produce fasciculate synnemata bearing clusters of *Syngliocladium* phialides.

1123 PP Sikorowski ← J Kuhre. 4th instar larva, *Curculio caryae* [Coleoptera: Curculionidae] pecan tree. 14 Dec 1983. USA: West Helena, Arkansas.

1714 G Riba. Acc'd 6 Nov 1984. France.

1856 DG Boucias. *Scapteriscus vicinus* [Orthoptera: Gryllotalpidae]. 1984. USA: Gainesville, Florida.

Spicillum ovalispora Seifert & SA Rehner

[Sordariomycetes: Hypocreales]

Bionectriaceae. IMI 2223216 was originally received as Beauv. brongiartii; reidentified as new sp by K.Seifert and S. Rehner

7759 [IMI 223216] From oat. Rec'd 10 Jun 2005. United Kingdom.

Spizellomyces kniepii Gaertner ex DJS Barr

[Chytridiomycetes: Spizellomycetales]

Spizellomycetaceae

6263 MJ Powell. Rec'd 8 Sep 1999.

Sporodiniella umbellata Boedijn ex HC Evans & Samson
[Mucormycotina: Mucorales]
Mucoraceae

5222 [CBS 148.75; IMI 225999] ATCC (36482). [Hemiptera: Jassidae] on cacao leaves. Acc'd 2 Aug 1996. Location not specified.

Sporothrix sp.

[Sordariomycetes: Ophiostomatales]
Ophiostomataceae

1908 MC Rombach (5). *Nilaparvata lugens* [Hemiptera: Delphacidae] on rice. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

6341 [CIAT 013] D Peck. Adult, 12 May 1999. Brazil: Lagiardo Farm, Botucatu, São Paulo.

7038 RG Hollingsworth (KNF2002-8). [Hemiptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

7042 RG Hollingsworth (KNF2002-13). [Hemiptera: Delphacidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

10230 SR Sánchez Peña. Adult, *Diaphorina citri* [Hemiptera: Psyllidae] on *Murraya paniculata* (L.) Jack, orange jessamine. 10 Nov 2009. Mexico: Gutiérrez Zamora, Veracruz.

Sporothrix ghanensis de Hoog & HC Evans

[Sordariomycetes: Ophiostomatales]
Ophiostomataceae

9500 [SRCAMB VL-2061] V Likhovidov. [Hemiptera: Coccoidea]. 1998. Russian Federation: Sochi District, Krasnodarsky Krai. Field Collection Number F-883.

Sporothrix insectorum de Hoog & HC Evans

[Sordariomycetes: Ophiostomatales]
Ophiostomataceae

2909 CBS (770.73) ← HC Evans. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve.

2918 CBS (756.73) ← HC Evans. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve. CULTURE EX TYPE.

6286 [RCEF 0264] [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Qinghan.

7924 KT Hodge ← AE Hajek. Larva, [Lepidoptera]. Aug 2005. USA: Carlo Creek, near Denali National Park, Denali Borough, Alaska.

9501 [SRCAMB VL-2051] V Likhovidov. [Lepidoptera: Pyralidae]. 2004. Russian Federation: Novosibirsk Region. Field Collection Number F-880.

9502 [SRCAMB VL-2052] V Likhovidov. Adult, *Carabus* sp. [Coleoptera: Carabidae]. 1993. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-890.

Stachybotrys sp.

[Hyphomycetes]

2863 MG Feng (SA8801). *Sitobion avenae* [Hemiptera: Aphididae] on spring wheat. 19 Jun 1988. USA: Wilder, Idaho.

Sterile mycelium

1353 S Balazy (1594). Rec'd 19 May 1984. Poland.

1435 MC Rombach (II.1). *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 14 Apr 1984. Philippines: Maasin, Palawan.

2073 GC Carroll (CH-O-66/201). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

3702 LA Lacey (060). Adult, [Hemiptera: Cicadellidae]. 7 Apr 1992. India: Padappai.

3703 LA Lacey (008A). Adult, [Hemiptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.

3705 LA Lacey (015A). Adult, [Hemiptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.

3710 LA Lacey (037A) ← A Kisk. Adult, [Hemiptera: Aleyrodidae]. 18 Dec 1991. Spain.

3711 LA Lacey (041A) or (041A). Adult, [Hemiptera: Aleyrodidae]. 17 Mar 1991. Nepal: Katmandu.

3712 LA Lacey (019A). Adult, [Hemiptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.

3725 P Narayanasamy (30). Rec'd 28 May 1992. Location not specified.

3735 P Timper (C11). *Aphelenchoides* sp. [Aphelenchida: Aphelenchoididae]. Apr 1992. USA: CU land, Rt. 366, Ithaca, New York.

3868 LA Lacey (92157). *Bemisia tabaci* [Hemiptera: Aleyrodidae]. 11 Sep 1992. India: Podumbu.

4009 T Steenberg (135) ← A Kirkeby-Thomse. Pupa, [Coleoptera: Cerambycidae] on spruce. Sep 1988. Denmark: Grib Skov, Zealand.

4237 [DAT 211] AC Rath (F211) ← H Yip (HY150). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.

4243 [DAT 26] AC Rath (F26). *Adoryphorus coultonii* [Coleoptera: Scarabaeidae]. 1986. Australia: Newtown, Tasmania.

4376 LA Lacey (94022). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 21 Jan 1994. Brazil: Londrina, Paraná.

4712 D Peck (11). Adult, female, *Prosapia plagiata* [Hemiptera: Cercopidae] *Cynodon nlemfuensis*. 12 Aug 1994. Costa Rica: Dairy pasture at 1400M elevation, Monteverde, Puntarenas.

4750 [DAT 353] AC Rath (F353) ← H Yip (HY5). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

5819 BL Parker (AT 070). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.

11693 Z Demirbag (Gg6) ← E Sönmez. *Gryllotalpa gryllotalpa* [Orthoptera: Gryllotalpidae]. Jan 2011. Turkey: Trabzon City, Trabzon.

Stilbella buquetii (Montagne & Robin) Samson & HC Evans
[Sordariomycetes: Hypocreales]

2915 CBS (511.88). *Artipes* sp. [Coleoptera: Curculionidae]. 1988. USA: Florida.

2917 CBS (999.73). 1973. Location not specified.

Strongwellsea castrans Batko & Wiser
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

3282 J Eilenberg (KVL 62). *Delia radicum* [Diptera: Anthomyiidae]. 8 Sep 1988. Denmark: Roskilde, Zealand.

3485 J Eilenberg (KVL 84). *Delia radicum* [Diptera: Anthomyiidae]. Aug 1991. Denmark: Slangstrup, Frederiksberg.

Syncephalastrum racemosum Cohn ex Schröter
[Mucormycotina: Mucorales]
Syncephalastraceae

2315 JE Moxon (21). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Syngliocladium sp.
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5217 KT Hodge (WOZ B) ← CA Wozniak. Larva, *Tetanops myopaeformis* [Diptera: Ulidiidae] Soil. Aug 1995. USA: Pembina Co., Buzz Baldwin Farm, St. Thomas, North Dakota.

5720 JM Sung (KEFC-1306). Rec'd 11 May 1998.

Syngliocladium tetanopsis KT Hodge, Humber & Wozniak
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

4972 KT Hodge ← CA Wozniak. *Tetanops myopaeformis* [Diptera: Ulidiidae]. 6 Jun 1995. USA: Red River Valley, North Dakota. Specimen deposited in Cornell Plant Pathology Herbarium as CUP 64915.

5497 [NRRL 21854] CA Wozniak (FSt1A8-2294). 3rd instar larva, *Tetanops myopaeformis* [Diptera: Ulidiidae]. Summer 1994. USA: Pembina County, St. Thomas, North Dakota. CULTURE EX TYPE; the holotype is a dried specimen of ARSEF 5497 in Cornell Plant Pathology Herbarium as CUP 64913.

5577 [NRRL 21853] CA Wozniak (FHi1A11-295). 3rd instar larva, *Tetanops myopaeformis* [Diptera: Ulidiidae]. Rec'd 17 Dec 1997. USA: Traill County, Hillsboro, North Dakota.

Synnematium jonesii Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5664 [ATCC 44767; IMI 205309] *Promecotheca papuana* [Coleoptera: Hispinae]. Rec'd 10 Feb 1998. Papua New Guinea.

Sypastospora parasitica (Tulasne) Cannon & Hawksworth
[Sordariomycetes: Sordariales]
Ceratostomataceae. Synonym: *Melanospora parasitica* (Tulasne) Tulasne & C Tulasne

5375 KT Hodge. Mycoparasite of *Paecilomyces fariosus* on unknown insect. Rec'd 25 Nov 1996. USA: Ringwood-Lloyd Preserve, Cornell University Plantations, Dryden, New York. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 63891.

7285 FE Vega. Mycoparasite of *Beauveria bassiana* on *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 25 Jul 2003. USA: Sleepy Hollow, Beltsville Agricultural Research Center, Beltsville, Maryland.

12396 ST Jaronski (13AW340-1B). Mycoparasite of *Beauveria bassiana* on adult *Hypera postica* [Coleoptera: Curculionidae]. 16 Jun 2013. USA: McKenzie County, North Dakota. N 47.95783, W 103.94684.

Tilachlidium sp.
[Hyphomycetes]

2415 M Shimazu (F-545). [Coleoptera: Elateridae]. 14 Jul 1986. Japan: Hachioji, Tokyo Prefecture.

7072 KT Hodge (PR9). On fern fronds 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.

10132 [ERL 1790] S Gouli and W Reid (BS-2010-1). [Coleoptera: Chrysomelidae]. 2010. USA: Florida.

Tilletiopsis sp.
[Exobasidiomycetes]

These strains were probably accidental contaminants of brown planthoppers. This genus is usually found only among phylloplane fungi and is not otherwise known to be entomopathogenic.

527 DW Roberts (82880-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: Chainat Rice Exp. Sta., N of Bangkok, Khlong Luang.

572 DW Roberts (82880-2). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: Khlong Luang.

573 DW Roberts (82880-1). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 28 Aug 1980. Thailand: Khlong Luang.

Tolypocladium sp.

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

12855 [IP 419] Larva, 28 Jun 2014. RPPN SB, near Ecotourism. **RESTRICTED ACCESS:** *contact Curator*.

Tolypocladium cylindrosporum W Gams

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

- 705 GG Soares. *Aedes sierrensis* [Diptera: Culicidae]. Acc'd 17 Nov 1982. USA: California.
- 841 JS Pillai. *Aedes australis* [Diptera: Culicidae]. Acc'd 7 Jun 1983. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.
- 961 [CBS ?719.70; CCFC DAOM 183952] UAMH (4563) or (?4995) ← J Weiser ← JS Pillai. [Diptera: Culicidae]. Rec'd 9 Sep 1983. Czech Republic.
- 962 [ATCC 42438; CCFC DAOM 167325] UAMH (4592) ← J Bissett (737). Soil sample SV113. 2 Jun 1971. Canada: Bromus site, alpine eutric brunisol, grass slope, elev. 1900 m, Mt. Allen, Kananaskis Valley, Alberta.
- 963 [CCFC DAOM 167176] UAMH (4593) ← S Visser. Soil. Aug 1976. Canada: spruce-fir forest, elev. 5500-6000 ft, nr. Luscar, Alberta.
- 976 [GCRI 131-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. Acc'd 17 Oct 1983. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.
- 1027 [GCRI 130-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. 1982. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.
- 1028 [GCRI 132-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. 1982. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.
- 1580 GG Soares (Tc4c). *Aedes sierrensis* [Diptera: Culicidae]. Acc'd 17 Sep 1984. USA: Novato, California.
- 2777 T Steenberg (186). [Lepidoptera: Noctuidae]. 6 Jun 1989. Denmark.
- 2778 T Steenberg (187). [Lepidoptera: Noctuidae]. 19 Jun 1989. Denmark.
- 2911 CBS (276.82) ← GG Soares. [Diptera: Culicidae]. 1982. New Zealand.
- 2912 CBS (989.73) ← LP Kish. *Plecia nearctica* [Diptera: Bibionidae]. 1973. USA: Florida.
- 2920 CBS (718.70). Peat soil. 1970. United Kingdom: northern Pennines (Moorhouse), England. CULTURE EX TYPE.
- 3392 CCFC (DAOM 180479) ← G Dutzler (21). Soil. Rec'd 1 Oct 1991. Nepal.
- 3393 Soil. Rec'd 1 Oct 1991. Nepal.
- 5525 I Klingen (BAL 3). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 18 Sep 1996. Norway: Balsfjord, Troms. **RESTRICTED ACCESS:** *contact Curator*.
- 5526 I Klingen (TØF 22.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag. **RESTRICTED ACCESS:** *contact Curator*.
- 5527 I Klingen (VFB 10.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 4 Sep 1996. Norway: Grane, Nordland. **RESTRICTED ACCESS:** *contact Curator*.
- 5528 I Klingen (ØNN 2.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.
- 5529 I Klingen (ØNN 2.3). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.
- 5530 I Klingen (ØNN 3.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.
- 5531 I Klingen (ØNN 4.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.
- 5532 I Klingen (ØNN 4.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.
- 5538 I Rong (PPRI 6396). Larva, *Sirex noctilio* [Hymenoptera: Siridae] inside *Pinus radiata*. 26 Jun 1997. South Africa: Tokai Forest, Western Cape Province.
- 5558 I Klingen (ØNN 2.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Valberg, Nordland. **RESTRICTED ACCESS:** *contact Curator*.
- 5559 I Klingen (ØNN 3.2). Pupa, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Valberg, Nordland. **RESTRICTED ACCESS:** *contact Curator*.
- 6634 SB Alves (ESALQ 1224). *Leptopharsa heveae* [Hemiptera: Tingidae]. 31 Aug 1998. Brazil: São José do Rio Claro, Mato Grosso.
- 7129 LA Castrillo. Isolated from soil sample. Summer 2002. USA: Aroostook Farm, Presque Isle, Maine. Single spore isolate established from a CFU.
- 7456 GM Duke and MS Goettel (LRC 172). [Coleoptera: Elateridae]. 12 May 2003. Canada: Agassiz, British Columbia.
- 7539 E Groden (Plate #7). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2003. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.
- 7812 [SRCAMB VL-389] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from stroma. 8 Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-268.

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- 9503 [SRCAMB VL-272] V Likhovidov. [Araneida]. Sep 2001. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-751.
- 10146 [ERL 1806] S Gouli (Thr.-10-9) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.
- Tolypocladium extinguens*** Samson & Soares
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 2921 CBS (345.77) ← GJ Samuels. *Arachnocampa luminosa* [Diptera: Mycetophilidae]. 1977. New Zealand. CULTURE EX TYPE.
- Tolypocladium geodes*** W Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae
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- 2684 J Weiser (R5) ← J Bissett. Acc'd 14 Feb 1989. Location not specified.
- 3271 CCFC (DAOM 167321) ← J Bissett (384). Soil. Rec'd Apr 1991. Canada: dry sedge meadow, elev. 2100 m, Mt. Allen, Kananaskis Valley, Alberta.
- 3272 CCFC (DAOM 167323) ← J Bissett (570). Soil. Rec'd Apr 1991. Canada: bromus site, grass slope, elev. 1900 m, Mt. Allen, Kananaskis Valley, Alberta.
- 3273 CCFC (DAOM 167326) ← J Bissett (938). Soil sample SX133. Rec'd Apr 1991. Canada: Bromus site, alpine eutric brunisol, grass slope, Mt. Allen, Kananaskis Valley, Alberta.
- 3274 [ATCC 56502] CCFC (DAOM 176470) ← A Carter. Soil. 19 Nov 1976. Canada: predominantly white spruce woods, 29.7 km SSE of Sudbury, Ontario.
- 3275 CCFC (DAOM 191333) ← P Widden. Soil Moorland soil, A1 horizon. Rec'd Apr 1991. United Kingdom: Gisburn Forest, England.
- 3276 CCFC (DAOM 191336) ← P Widden. Festuca grasslands, moorland soil. Rec'd Apr 1991. United Kingdom: elev. 1850 ft, Pennines (Moorhouse), England.
- 9504 [SRCAMB VL-2159] V Likhovidov. Isolated from soil sample. 2006. Russian Federation: Tver Region. Field Collection Number F-143.
- 9505 [SRCAMB AS-635] V Likhovidov. Isolated from soil sample. Aug 2004. Russian Federation: Moscow Region. Field Collection Number F-1013.
- Tolypocladium inflatum*** W Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Major synonym: *Tolypocladium niveum* (Rostrup) Bissett. Teleomorph: *Elaphocordyceps subsessilis* (Petch) GH Sung, JM Sung, Hywel-Jones & Spatafora
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- 616 [CCFC 962] ATCC (18981) ← O Fassatova. Rec'd 27 May 1981. Czech Republic.
- 3277 [CBS 824.70] CCFC (DAOM 64352) ← W Gams. Humus (alpine soil). Rec'd Apr 1991. Austria: Obergurgl-Ötztal, Tirol. CULTURE EX TYPE (for *T. inflatum*).
- 3278 CCFC (DAOM 160594) ← V Behan. *Mycobates* sp. [Acari: Oribatidae]. Rec'd Apr 1991. Canada: Frobisher Bay, Baffin Island, Northwest Territories.
- 3279 CCFC (DAOM 167175) ← S Visser. Humified organic material. Rec'd Apr 1991. Canada: undisturbed spruce-fir forest, nr. Luscar, Alberta.
- 3280 CCFC (DAOM 167322) ← J Bissett (530). Soil sample A382. Rec'd Apr 1991. Canada: Dryas site, Warcup soil plate, alpine meadow, elev. 2530 m, Mt. Allen, Kananaskis Valley, Alberta.
- 3281 CCFC (DAOM 198395) ← DD Strongman. Pupa, [Diptera: Tachinidae]. Rec'd Apr 1991. Canada: Acadia Forest Exp. Station, Fredericton, New Brunswick.
- 3320 CCFC (DAOM 63905) ← D Brewer. Slime from pulp & paper mill. Rec'd 30 Apr 1991. Canada: Corner Brook, Newfoundland.
- 3321 [ARSEF 3397 (deaccessioned); J Bissett 88M-143] CCFC (DAOM 199924) ← D Perry (1602). *Choristoneura fumiferana* [Lepidoptera: Tortricidae] on spruce. Rec'd 30 Apr 1991. Canada: Acadia Forest Exp. Station, Fredericton, New Brunswick.
- 3394 CCFC (DAOM 183955) ← L Ippolito (38-BI). Root of black spruce, clay soil. Rec'd 1 Oct 1991. Canada: SW Burt Lake, Burt Twp., Timiskaming District, Ontario.
- 3395 [J Bissett 83M-38] CCFC (DAOM 185687) ← D Lahaie. Sediment 21m below surface of acidic lake. Rec'd 1 Oct 1991. Canada: White Pine Lake, NW of Sudbury, Ontario.
- 3396 CCFC (DAOM 191338) ← P Widden (LP-177). Festuca grasslands, moorland soil, A1 horizon. Rec'd 1 Oct 1991. United Kingdom: elev. 2750 ft, Pennines (Moorhouse), England.
- 3398 CCFC (DAOM 210147) ← DS Abrahamson (5). Maple/beech/birch forest floor. Rec'd 1 Oct 1991. USA: Mt. Clinton Rd., White Mountain National Forest, New Hampshire.
- 3432 CCFC (DAOM 167132) ← P Widden (M-105). Soil in *Pinus contorta* stand. Rec'd 29 Oct 1991. Canada: Kananaskis Valley, Alberta.
- 3433 [ATCC 36654] CCFC (DAOM 180481) ← G Dutzler (94). Soil. Rec'd 29 Oct 1991. Nepal.
- 3790 KT Hodge (kth11). 23 Sep 1992. USA: foam below Ithaca Falls, Ithaca, New York.
- 4575 [DAT 472; IMI IMI358246] AC Rath (F472). 40-60 days, *Salmo salar*. Rec'd 1 Sep 1994. Australia: Tasmania.
- 4772 [DAT 471] AC Rath (F471). 40-60 grams, *Salmo salar*. Rec'd 23 Sep 1994. Australia: Tasmania.

Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4896 KT Hodge (kth30T). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4897 KT Hodge (kth30U). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4898 KT Hodge (kth30V). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

9506 [SRCAMB B-225] V Likhovidov ← BA Borisov. Isolated from soil sample. 2000. Russian Federation: Caucasus region, Teberdinsk State Nature Reserve, Karachayevo-Cherkessiya Republ. Field Collection Number F-258.

9507 [SRCAMB AS-587] V Likhovidov. Isolated from soil sample. 2004. Russian Federation: Yamalo-Nenetskiy Autonomous District, Tyumen Oblast. Field Collection Number F-993.

Tolypocladium lignicola GL Barron

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

5218 KT Hodge (U0268t). Soil. Aug 1996. Uganda: Ngogo Forest Camp, Kibale National Park.

5615 SL Glockling (K5a). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Tolypocladium microsporium (Jaap) Bissett

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

3431 CCFC (DAOM 191103) ← R Summerbell. Roots of *Cornus canadensis*. 6 Jun 1982. Canada: Kirkland Lake, Ontario.

Tolypocladium nubicola Bissett

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

3434 CCFC (DAOM 167320) ← J Bissett (164). Soil sample A322. Rec'd 29 Oct 1991. Canada: Dryas site, Warcup soil plate, alpine meadow, Mt. Allen, Kananaskis Valley, Alberta. CULTURE EX TYPE.

3435 CCFC (DAOM 167324) ← J Bissett (633). Soil sample V222. Rec'd 29 Oct 1991. Canada: Dryas site, Warcup soil plate, alpine meadow, Mt. Allen, Kananaskis Valley, Alberta.

Tolypocladium parasiticum GL Barron

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

3436 CCFC (DAOM 184880) ← GL Barron. Bdelloid rotifers in farm soil. Rec'd 29 Oct 1991. Canada: Guelph, Ontario.

Tolypocladium trigonosporum GL Barron

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

12631 CG Wilson (OHC1). Phylum Rotifera, Class Bdelloidea collected from *Hypnum*, moss on *Quercus robur* L., English oak. 18 Nov 2013. United Kingdom: Silwood Park, Berkshire, England.

Tolypocladium tundrense Bissett

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae

3399 CCFC (DAOM 167133) ← P Widden (M-106). Raised beech soil. Rec'd 1 Oct 1991. Canada: Devon Island, Northwest Territories. CULTURE EX TYPE.

3400 CCFC (DAOM 167134) ← P Widden (M-107). Soil. Rec'd 1 Oct 1991. Canada: sedge meadow, Devon Island, Northwest Territories.

3401 CCFC (DAOM 191334) ← P Widden (LP-235). Festuca grasslands, moorland soil, A1 horizon. Rec'd 1 Oct 1991. United Kingdom: elev. 2450 ft, Pennines (Moorhouse), England.

***Torrubiella* sp.**

[Sordariomycetes: Hypocreales]

Cordycipitaceae

7088 KT Hodge (PR72). 9 Jul 2002. USA: Bosque del Pueblo, Adjuntas, Puerto Rico.

7223 [SRCAMB B-39] V Likhovidov ← BA Borisov. Adult, [Araneida]. Sep 2001. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-309.

7673 [IMI 331565] P Chaverri ← HC Evans (I86-174). 1986. Kenya.

7701 P Chaverri (PC 385). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.

7708 P Chaverri (PC 468). 5 Jan 2004.

Torrubiella homopterorum Humber & Rombach (sp. nov., unpubl.)

[Sordariomycetes: Hypocreales]

Cordycipitaceae

2045 MC Rombach (161085-11) ← SB Ahn (E1-22).

Nilaparvata lugens [Hemiptera: Delphacidae]. 16 Oct 1985. Republic of Korea: Gun-Wandi. Conidial production occurs in visible light (produces few conidia in darkness).

Torrubiella piperis Bischoff & White
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7232 [CBS 116719] JF Bischoff. [Hemiptera: Coccoidea] on *Piper carrilloanum* C. DC. Aug 2003. Panama: Lutz Creek, Barro Colorado Island. CULTURE EX TYPE; teleomorph of *Lecanicillium muscarium* (Petch) Zare & W. Gams.

Torrubiella ratticaudata Rombach & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae

1915 MC Rombach (11(ascosp.)). *Euophrys ?trivittata* [Araneida: Salticidae] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

1916 MC Rombach (9(ext.myc.)). *Euophrys ?trivittata* [Araneida: Salticidae] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

Torrubiella(?) sp.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7658 [IMI 362298] P Chaverri ← HC Evans (I92-788). 1992. Madagascar.

Triacutus subcuticularis G.L. Barron & Tzean

10260 CG Wilson (Lh8). *Adineta* sp. [Bdelloida: Adinetidae] occurring naturally on an elevated sprinkle plate. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Plate exposed to wind-deposited debris between 17 September 2009 and 22 October 2009.

Trichoderma sp.
[Sordariomycetes: Hypocreales]
Hypocreaceae

807 RA Daoust (Ek8-4). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. Acc'd 9 Oct 1986. Brazil.

1361 S Balazy (1599a). Rec'd 19 May 1984. Poland.

2160 BN Muthappa (PNG 12720). *Anoplolepis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2161 BN Muthappa (PNG 12717). *Anoplolepis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

3084 J Peña ← H Glenn. *Unaspis citri* [Hemiptera: Diaspididae] on *Citrus aurantifolia*. May 1990. USA: Homestead, Florida.

5730 TJ Poprawski. *Elasmopalpus lignosellus* [Lepidoptera: Pyralidae] in *Saccharum officinarum*. Apr 1998. USA: Weslaco, Texas.

8470 WC Luz (eco 40). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8634 CA Fuller. [Isoptera: Termitidae]. Acc'd 29 Oct 2007.

9938 [ERL 1785] S Gouli and V Gouli (Thr.-09-17). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

Trichoderma lignorum (Tode) Harz
[Sordariomycetes: Hypocreales]
Hypocreaceae

5176 S Gouli (GP-14). *Adelges tsugae* [Hemiptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.

Trichoderma viride(?) Persoon
[Sordariomycetes: Hypocreales]
Hypocreaceae

6344 [CIAT 016] Adult, *Aeneolamia varia* [Hemiptera: Cercopidae]. 4 May 1999. Colombia: CIAT Farm, Palmira, Valle.

Trichothecium sp.
[Sordariomycetes: Hypocreales]
Hypocreaceae

653 DW Roberts (100881-2). *Nephotettix bipunctata cincticeps* [Hemiptera: Cicadellidae]. 8 Oct 1981. PR China: Chansha, Hunan.

1217 TJ Poprawski (050A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.

1223 TJ Poprawski (060A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.

Trichothecium roseum Link:Fries
[Sordariomycetes: Hypocreales]
Hypocreaceae

1212 TJ Poprawski (042). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.

1226 TJ Poprawski (001A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 18 May 1983. Italy: Vetralla, Lazio.

1308 TJ Poprawski (044). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Acquapendente, Lazio.

1639 TJ Poprawski (0136). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

1642 TJ Poprawski (0139). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

2055 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

3708 LA Lacey (035A) ← A Kirk. Adult, [Hemiptera: Aleyrodidae]. 11 Dec 1991. Spain.

***Triposphermum* sp.**

[Dothideomycetes: Capnodiales]
Capnodiaceae

9363 [ERL 1655] S Gouli and V Gouli (HWA-G-5). *Adelges tsugae* [Hemiptera: Adelgidae]. 2009. USA: New Hampshire.

***Tritirachium isariae* (Petch) de Hoog**
[Hyphomycetes]

1425 S Balazy (1585a). Rec'd 19 May 1984. Location not specified.

***Verticillium* sp.**

[Sordariomycetes: Hypocreales]

These species are being reclassified to the appropriate genus and species as they are being re-examined after the phylogenetically based reclassification of *Verticillium* Section *Prostrata*.

3547 M Brownbridge (R-6). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Laggis' sugar maple stand, Caledonia County, Vermont.

3550 M Brownbridge (R-12). White mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Goodhouse's sugar maple stand, Windsor County, Vermont.

3551 M Brownbridge (R-13). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Rowe's sugar maple stand, Caledonia County, Vermont.

3552 M Brownbridge (R-14). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Preseau's sugar maple stand, Addison County, Vermont.

3556 M Brownbridge (R-22). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Washington County, Vermont.

3561 M Brownbridge (R-29). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.

4074 C Rosenthal (MP1). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.

4194 LA Lacey (94030). [Hemiptera: Aphididae] Tamarillo Tree. 25 Mar 1994. Malaysia: Cameron Highlands.

4195 LA Lacey (94031). [Hemiptera: Aphididae] Tamarillo Tree. 25 Mar 1994. Malaysia: Caurcuan Highlands, Cameron Highlands.

4203 LA Lacey (94032). [Hemiptera: Aphididae] on orchid. 25 Mar 1994. Malaysia: Brichang.

4398 LA Lacey (94095). [Hemiptera: Aphididae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

4399 LA Lacey (94096). [Hemiptera: Aphididae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

4402 LA Lacey (94062). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

5713 E Zhioua (1S DCE). Acc'd 4 Jul 1998.

6250 [RCEF 0221] Phylum Arthropoda, Class Arachnida. 8 Aug 1996. PR China: Guizhou Province.

6480 BL Parker (SPT-KR-389/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 12 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°39.257' E 073°54.353'. **RESTRICTED ACCESS:**

contact Curator

6484 BL Parker (SPT-KZ-412). Adult, [Coleoptera: Dermestidae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:**

contact Curator

6485 BL Parker (SPT-KZ-413). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:**

contact Curator

6486 BL Parker (SPT-KR-415/2). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 11 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°40.597' E 075°02.855'. **RESTRICTED ACCESS:**

contact Curator

6498 BL Parker (SPT-KZ-445). Adult, [Hemiptera: Rhopalidae] overwintering in soil. 5 Feb 2000. Kazakhstan: GPS Coordinates N 44°14.205' E 077°42.544'. **RESTRICTED ACCESS:**

contact Curator

6500 BL Parker (SPT-KZ-457). Adult, *Aelia* sp. [Hemiptera: Pentatomidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°09.121' E 076°35.771'. **RESTRICTED ACCESS:**

contact Curator

6501 BL Parker (SPT-KZ-458). Adult, [Coleoptera: Carabidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**

contact Curator

6580 G Sewify (2). *Icerya purchasi* [Hemiptera: Margarodidae]. May 2000. Egypt.

***Verticillium cinnamomeum* Petch**

[Sordariomycetes: Hypocreales]

2399 MC Rombach (131286-1). 13 Dec 1986. Indonesia.

***Verticillium epiphytum* Hansford**

[Sordariomycetes: Hypocreales]

5250 [ATCC 22593; CBS 384.81; IMI 071 315] *Hemileia vastatrix* [Uredinales]. Acc'd 19 Aug 1996. Thailand.

Verticillium insectorum (Petch) W Gams
[Sordariomycetes: Hypocreales]

3715 RA LeBrun ← J Hanula (C-1). Adult, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Summer 1991. Location not specified.

Verticillium lecanii (Zimmerman) Viégas
[Sordariomycetes: Hypocreales]

Cordycipitaceae. A species complex now reclassified in *Lecanicillium* and distributed among three species. Isolates remaining here are being transferred to the appropriate species as they are re-examined.

- 991 J Aoki (Har. 2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Suginami, Tokyo Prefecture.
- 1333 S Balazy (1453c). Rec'd 19 May 1984. Poland.
- 1357 S Balazy (1595d). Rec'd 19 May 1984. Poland.
- 2859 MG Feng (SA8701). *Sitobion avenae* [Hemiptera: Aphididae] on winter wheat. 12 Jun 1987. USA: Hwy 95 & Klahr Rd., Canyon County, Idaho.
- 2916 CBS (537.81) ← HC Evans. [Hemiptera: Coccidae]. 1981. Ecuador: Galapagos Islands.
- 3741 D Lonsdale (AH2). *Cryptococcus fagisuga* [Hemiptera: Eriococcidae] beech tree (*Fagus sylvatica*). Rec'd 6 Jul 1992. United Kingdom: England.
- 3742 D Lonsdale (AH3). *Cryptococcus fagisuga* [Hemiptera: Eriococcidae] beech tree (*Fagus sylvatica*). Rec'd 6 Jul 1992. United Kingdom: England.
- 3743 D Lonsdale (AH4). *Cryptococcus fagisuga* [Hemiptera: Eriococcidae] beech tree (*Fagus sylvatica*). Rec'd 6 Jul 1992. United Kingdom: England.
- 3770 DW Roberts ← Wang Li Ying. Rec'd 25 Aug 1992. Location not specified.
- 3840 S Meyer ← ATCC (58909). 30 Dec 1992. Laboratory manipulation.
- 3862 [ARSEF 2859] N Underwood (ARSEF2859). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 28 Jan 1993. Laboratory manipulation.
- 3881 [ARSEF 3836] N Underwood (U3836). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 16 Feb 1993. Laboratory manipulation: Reisolated from bioassay.
- 3902 [ARSEF 3838] N Underwood (U3838). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3903 [ARSEF 3000] N Underwood (U3000). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3904 [ARSEF 3840] N Underwood (U3840). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3909 [ARSEF 2858] N Underwood (U2858). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 2 Apr 1993. Laboratory manipulation: Reisolated from bioassay.
- 4022 T Steenberg (216) ← A Kirkeby-Thomse. *Agelastica alni* [Coleoptera: Chrysomelidae] on *Alnus* spp. Aug 1990. Denmark.
- 4025 T Steenberg (227) ← A Kirkeby-Thomse. *Phytoterms hemichryphus* [Hemiptera: Coccidae] Red spruce. Nov 1990. Denmark: Grib Skov, Zealand.
- 4047 T Steenberg (295). *Aphodius fimetarius* [Coleoptera: Scarabaeidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4048 T Steenberg (297). Larva, [Coleoptera: Cantharidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4061 T Steenberg (VT3). *Trialetrodes vaporariorum* [Hemiptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4065 T Steenberg (BT4). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 4067 T Steenberg (BT6). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 4069 T Steenberg (BT11). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 4070 T Steenberg (BT12). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 4071 T Steenberg (BT13). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 4072 T Steenberg (BT14). *Bemisia tabaci* [Hemiptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.
- 4073 T Steenberg (VL9) ← C Rosenthal. [Hemiptera: Aphididae]. 1989. Denmark.
- 4075 T Steenberg (MP2). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4076 T Steenberg (MP3). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4077 T Steenberg (MP5). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4079 T Steenberg (MP11). *Myzus persicae* [Hemiptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.
- 4416 LA Lacey (94058). [Hemiptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.
- 4417 LA Lacey (94059). [Hemiptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.
- 4418 LA Lacey (94060). [Hemiptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.
- 4419 LA Lacey (94028). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4420 LA Lacey (94047). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4421 LA Lacey (94048). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4422 LA Lacey (94049). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.

- 4423 LA Lacey (94050). [Hemiptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4453 LA Lacey (94151). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia.
- 4454 LA Lacey (94052). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4455 LA Lacey (94054). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4456 LA Lacey (94055). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.
- 4457 LA Lacey (94094). [Hemiptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.
- 5127 [Horticulture Research International 16.75] D Chandler (HRI 16.75). barley mildew. 1975. Location not specified.
- 5129 [Horticulture Research International 26.79] D Chandler (HRI 26.79). Host not specified wheat. 1979. Location not specified. Suspected mycoparasite.
- 5130 [Horticulture Research International 336.92] D Chandler (HRI 336.92). *Myzus persicae* [Hemiptera: Aphididae]. 1992. United Kingdom: insect rearing unit, Wellesbourne, England.
- 5131 [Horticulture Research International 339.92] D Chandler (HRI 339.92). Cauliflower, *Brevicoryne brassicae* [Hemiptera: Aphididae]. 1992. United Kingdom: greenhouse, Wellesbourne, England.
- 5132 [Horticulture Research International 343.92] D Chandler (HRI 343.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae] soil. 1992. United Kingdom: Wellesbourne, England.
- 5133 [Horticulture Research International 382.93] D Chandler (HRI 382.93). *Aleyrodes proletella* [Hemiptera: Aleyrodidae] brassicas, field grown. 1993. United Kingdom: Wellesbourne, England.
- 5153 A Braun (Bogor). *Coccus viridis* [Hemiptera: Coccidae] Coffee. 1996. Indonesia: Kebun Raya Bogor (Bogor Botanical Garden), Bogor, Jawa Barat, Java.
- 5166 S Gouli (GP-49). [Hemiptera: Aphididae]. 31 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5167 S Gouli (GA-80). [Araneida: Araneae]. 21 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5168 S Gouli (GA-104). *Formica sp.* [Hymenoptera: Formicidae]. 1 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5221 [ATCC 58712] *Puccinia striiformis* [Uredinales: Pucciniaceae]. Germany.
- 5491 M Brownbridge (FR20). Rec'd 16 May 1997. France: Bellegarde, Gard.
- 5709 T Steenberg (TT4). *Thrips tabaci* [Thysanoptera: Thripidae]. Rec'd 22 Apr 1998. Denmark.
- 5710 E Zhiova (1S PCW). Acc'd 20 May 1998.
- 5771 BL Parker (AT 135). *Adelges tsugae* [Hemiptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.
- 5781 BL Parker (HWA 24). *Adelges tsugae* [Hemiptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5783 BL Parker (HWA 111/6). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5786 [ERL 324] S Gouli (HWA-115/2) and V Gouli. *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5789 BL Parker (HWA 143/1). *Adelges tsugae* [Hemiptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5793 BL Parker (HWA 236). *Adelges tsugae* [Hemiptera: Adelgidae]. 10 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5809 B Broadbent (BB002). [Hemiptera: Aphididae] on *Achillea millefolium*. 14 Jul 1996. Canada: Kingsville, Ontario.
- 5820 BL Parker (AT 071). *Adelges tsugae* [Hemiptera: Adelgidae]. 17 Oct 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5821 BL Parker (AT 072). *Adelges tsugae* [Hemiptera: Adelgidae]. 3 Jul 1997. USA: Crabtree Falls, Virginia.
- 5824 BL Parker (AT 132). *Adelges tsugae* [Hemiptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.
- 5849 T Steenberg (SSL 82). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Myzus persicae* [Homoptera: Aphididae].
- 5852 T Steenberg (446). *Sminthurus viridis* [Collembola: Sminthuridae]. Summer 1994. Denmark: Aagerup, Zealand.
- 5854 T Steenberg (SSL 449). *Dreyfusia normanniana* [Hemiptera: Adelgidae] on *Abies nordmanniana*. Rec'd 26 Aug 1998. Denmark: Zealand.
- 5856 T Steenberg (SSL 607). Adult, *Carcinops pumilio* [Coleoptera: Histeridae]. Feb 1997. Denmark: Broiler house, Kværst, Jutland.
- 6025 BL Parker ← V Gouli (SPT-R-215). Overwintering adult, *Eurygaster sp.* [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6045 BL Parker (AT-C-198). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1999. PR China: Site 4, Tree Number 4, Sichuan Province.
- 6046 BL Parker (AT-C-291). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 4, Tree Number 15, Sichuan Province.
- 6047 BL Parker (AT-C-292). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 10, Sichuan Province.
- 6050 BL Parker (AT-C-295). Aestivating 2nd instar, *Adelges tsugae* [Hemiptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Sichuan Province.

- 6068 BL Parker (SPT-U-271). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6085 BL Parker (SPT-2-309/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.
- 6144 TJ Poprawski. *Toxoptera citricida* [Hemiptera: Aphididae]. 27 Jan 1999. Dominican Republic: Sabana Grande.
- 6145 TJ Poprawski. *Toxoptera citricida* [Hemiptera: Aphididae]. 27 Jan 1999. Dominican Republic: Juan Jimenez.
- 6287 S Farrokhi (PPDRI 1). *Pulvinaria aurantii* [Hemiptera: Coccidae]. Sep 1994. Iran: Sari, Mazandaran.
- 6290 S Farrokhi (PPDRI 5). [Hemiptera] Mixed population of Coccidae and Diaspididae species. Oct 1997. Iran: Tonekabon, Mazandaran.
- 6291 S Farrokhi (PPDRI 6). *Pulvinaria aurantii* [Hemiptera: Coccidae]. Sep 1998. Iran: Sari, Mazandaran.
- 6350 [RCEF 0221] Phylum Arthropoda, Class Arachnida. 8 Aug 1996. PR China: Guizhou Province.
- 6479 BL Parker (SPT-KZ-377). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:**
contact Curator
- 6487 BL Parker (SPT-KZ-417). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:**
contact Curator
- 6540 D Chandler (HRI 2.72). *Brachycaudus helichrysi* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.
- 6541 D Chandler (HRI 3.72). *Aphis gossypii* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.
- 6542 D Chandler (HRI 5.72). *Macrosiphoniella sanborni* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.
- 6543 D Chandler (HRI 6.72). *Myzus persicae* [Hemiptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.
- 6544 D Chandler (HRI 18.78). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6545 D Chandler (HRI 33.79). *Otiorynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6547 D Chandler (HRI 40.81). *Trialeurodes vaporariorum* [Hemiptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6548 D Chandler (HRI 53.81). [Thysanoptera: Thripidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6554 D Chandler (HRI 349.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6561 D Chandler (HRI 399.93). Adult, *Scatella stagnalis* [Diptera: Ephydriidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6606 JL Hatting. *Diuraphis noxia* [Hemiptera: Aphididae]. 19 Jun 2000. Hungary: greenhouse, Budapest, Budapest.
- 6651 [EMBRAPA/CPAC] DEN Rangel (CPAC H2). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 25 Oct 2000. French Guiana.
-
- Verticillium pseudohemipterigenum*** HC Evans & Y Jun
[Sordariomycetes: Hypocreales]
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- 5687 [IMI 374402] HC Evans (HE96-1013). *Bambusaspis* sp. [Hemiptera: Coccoidea: Asterolecaniidae] on bamboo leaf. Fall 1996. Trinidad and Tobago: Parrylands, Siparia, Trinidad. Culture Ex Paratype.
-
- Zoophthora* sp.**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae.
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- 3486 J Eilenberg (KVL 79). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.
- 3487 J Eilenberg (KVL 80). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.
- 3488 J Eilenberg (KVL 81). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.
- 7454 [CEP 127] C López Lastra. [Hemiptera: Aphididae] on *Brassica oleracea* L., cabbage crop. 20 Apr 2004. Argentina: Parque Pereyra, Berazategui, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.
-
- Zoophthora anglica*** (Petch) Ben-Ze'ev & RG Kenneth
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae
-
- 396 [ARSEF ?1377] S Keller (48). *Agriotes sputator* [Coleoptera: Elateridae]. 4 May 1977. Switzerland.
- 916 S Keller (411). *Notostira elongata* [Hemiptera: Miridae]. 25 Aug 1982. Switzerland.
- 926 S Keller (412). *Notostira elongata* [Hemiptera: Miridae]. 25 Aug 1982. Switzerland.
- 1739 N Wilding (85). *Trechus quadristriatus* [Coleoptera: Carabidae]. 5 Sep 1978. United Kingdom: Rothamsted Experimental Station, Hertfordshire, England.
- 2505 J Eilenberg (KVL 12). *Agriotes sputator* [Coleoptera: Elateridae]. 2 Jun 1986. Denmark: Brogaard, Fårevejle, Vestsjælland.

Zoophthora aphidis (Hoffman in Fresenius) Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 425 [ARSEF 467 (lost), 643 (lost); CSIRO EM740] S Keller (84). *Anoecia corni* [Hemiptera: Aphididae]. Rec'd 6 Feb 1980. Switzerland.

Zoophthora lanceolata (S Keller) Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 426 [ARSEF ?468] S Keller (95). [Diptera: Nematocera]. Rec'd 6 Feb 1980. Switzerland: Rickenbach.
468 [ARSEF ?426] S Keller (95) ← G Remaudière. [Diptera: Brachycera]. Oct 1977. France.
469 S Keller (115). [Diptera: Nematocera]. Rec'd 27 May 1980. Switzerland: Rickenbach.

Zoophthora occidentalis (Thaxter) Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 207 [CSIRO EM680] RT Mietkiewski. *Macrosiphum euphorbiae* [Hemiptera: Aphididae] on potato. 20 Sep 1977. USA: Rogers Farm, Stillwater, Maine.
2841 K Hural (FR-17). *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
3027 H Firstencel. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 26 Jun 1990. USA: Freese Rd., Ithaca, New York.
3028 H Firstencel. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 11 Jul 1990. USA: Stevenson Rd., Ithaca, New York.
3029 H Firstencel. *Acyrtosiphon pisum* [Hemiptera: Aphididae]. 25 Jun 1990. USA: P-field, Aurora, New York.
3071 K Hural. *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 18 Sep 1990. USA: Hoffman field # 6G, Catherine, New York.
3073 K Hural. *Acyrtosiphon pisum* [Hemiptera: Aphididae] on alfalfa. 18 Sep 1990. USA: Hoffman field # 7E, Catherine, New York.

Zoophthora phalloides (Batko) Humber, Ben-Ze'ev & RG Kenneth in Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 352 [ARSEF 1869 (lost)] CSIRO (EM548) or (EM681) ← N Wilding (27). *Myzus rannaculinum* [Hemiptera: Aphididae]. 12 May 1978. France: Rennes, Ille-et-Vilaine.
2281 IL Sivcev (52/86). *Brevicoryne brassicae* [Hemiptera: Aphididae]. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.

Zoophthora phytonomi (Arthur) Humber, Ben-Ze'ev & RG Kenneth in Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

- 113 [ARSEF 82 (lost); ATCC 34292; FPMI 951] RG Kenneth (3085) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae] on alfalfa. Apr 1976. Israel: Sedé Eliyahu.
191 RG Kenneth (3095) or (E.p. 2) ← I Ben-Ze'ev. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Apr 1976. Israel: Sedé Eliyahu.
192 RG Kenneth (3133) ← I Ben-Ze'ev. Larva, *Hypera variabilis* [Coleoptera: Curculionidae] on alfalfa. 2 Mar 1977. Israel: Sedé Eliyahu.
202 [RG Kenneth 3178] AA Muka ← JP Kramer. *Hypera punctata* [Coleoptera: Curculionidae]. Jul 1977. USA: Ithaca, New York.
2188 RJ Dysart. Larva, *Hypera punctata* [Coleoptera: Curculionidae]. 29 Apr 1986. USA: Farmington, Delaware.
3342 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: Eddyville, Illinois.
3343 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: LaSalle County, Illinois.
3344 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: Albion, Illinois.

Zoophthora radicans (Brefeld) Batko
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Major synonyms: *Entomophthora sphaerosperma* Fresenius, *Entomophthora radicans* Brefeld, *Erynia radicans* (Brefeld) Humber, Ben-Ze'ev & Kenneth in Humber & Ben-Ze'ev.

- 13 [FPMI 696] RS Soper ← CC Thompson. *Neodiprion tsugae* [Hymenoptera: Diprionidae]. Aug 1971. USA: Prince of Wales Island, Alaska.
21 RS Soper ← DE Leonard (BBIV-20). Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 1973. USA: Maine.
44 [FPMI 697; RG Kenneth 3045] JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: Oxbow-Masardis, Maine.
45 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: Oxbow-Masardis, Maine.
50 [FPMI 698] JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: 0.1 mi N of Oxbow Rd. on Rt. 11, Oxbow-Masardis, Maine.
52 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 19 Jun 1975. USA: 1.5 mi E of bridge at S. Bancroft, Bancroft Township, Maine.
68 [FPMI 688; IPLB 624] G Remaudière. *Tortrix viridana* [Lepidoptera: Tortricidae]. 22 May 1975. France: Forêt de Dourdan, Essonne.

- 72 [CSIRO EM532; FPMI 487] RG Kenneth (3046) ← ATCC (24493) ← DM MacLeod. *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. Rec'd 18 Jan 1976. Canada: Ming's Bight, Newfoundland.
- 75 [FPMI 700] RG Kenneth (3060) or (E.s. 28). *Brachycaudus amygdalinus* [Hemiptera: Aphididae] on *Polygonum equisetiforme* [Polygonaceae]. 23 Jan 1976. Israel: Rehovot, Central District.
- 88 [CSIRO EM569] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1976. USA: nr. Selden Road, Haynesville Woods, Maine.
- 103 [CSIRO EM518, EM578, EM724; FPMI 701] RG Kenneth (3100) or (E.s. 31) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.
- 104 [CSIRO EM553, EM725] RG Kenneth (3101) or (E.s. 32) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.
- 105 [CSIRO EM726] RG Kenneth (3102) or (E.s. 33) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 106 [CSIRO EM727] RG Kenneth (3103) or (E.s. 34) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 107 [CSIRO EM554] RG Kenneth (3104) or (E.s. 35) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 108 [CSIRO EM728] RG Kenneth (3105) or (E.s. 36) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 109 [CSIRO EM729] RG Kenneth (3106) or (E.s. 37) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 110 [CSIRO EM555] RG Kenneth (3107) or (E.s. 38) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 111 [CSIRO EM556, EM730] RG Kenneth (3109) or (E.s. 40) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 112 [CSIRO EM561] RG Kenneth (3110) or (E.s. 41) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.
- 114 [CSIRO EM517] RG Kenneth (3096) or (E.s. 29) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.
- 126 [FPMI 702; IPLB 27] JP Latgé and G Remaudière (625). *Psyllida etrioza* [Hemiptera: Psyllidae] on *Prunus pennsylvanicus* [Rosaceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.
- 139 [CSIRO EM731] RG Kenneth (3097) or (E.s. 30) ← A Uziel. *Therioaphis maculata* [Hemiptera: Aphididae]. Acc'd 20 Nov 1978. Israel: Sedé Eliyahu.
- 141 [FPMI 687] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Map reference: T4R10, Maine.
- 142 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 20 Jun 1977. USA: Perham, Maine.
- 143 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Perham, Maine.
- 144 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Perham, Maine.
- 145 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 23 Jun 1977. USA: Carroll, Maine.
- 146 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Map reference: T6R7, Shin Pond, Maine.
- 161 JD Vandenberg. Single spore reisolate of ARSEF 88. Jul 1977. Laboratory manipulation.
- 162 JD Vandenberg. Single spore reisolate of ARSEF 88. Jul 1977. Laboratory manipulation.
- 163 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 1 Jul 1977. USA: forest-upper, Perham, Maine.
- 183 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 184 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 185 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 186 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 187 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 188 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.
- 189 [ATCC 32797; FPMI 703] RG Kenneth (2884) or (3044) ← CBS (216.66) ← M Gustafsson. Phylum Arthropoda, Class Insecta. Rec'd 1977. Sweden.
- 221 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Presque Isle, Maine.
- 223 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Springfield, Maine.
- 224 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Springfield, Maine.
- 225 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Macwahoq, Maine.
- 226 S Ignatowicz. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Macwahoq, Maine.
- 227 S Ignatowicz. Pupa, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 3 Jul 1978. USA: Mamarda, Maine.

- 228 S Ignatowicz. Pupa, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 3 Jul 1978. USA: Mamarda, Maine.
- 229 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 230 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 231 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 232 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 233 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.
- 234 S Ignatowicz. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 30 Jun 1978. USA: Oak Hill, Maine.
- 235 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 30 Jun 1978. USA: Oak Hill, Maine.
- 237 [FPMI 704] P Dodge. *Therioaphis maculata* [Hemiptera: Aphididae]. Aug 1978. USA: Ithaca, New York.
- 238 [CSIRO EM560] P Dodge. *Therioaphis maculata* [Hemiptera: Aphididae]. Aug 1978. USA: Ithaca, New York.
- 239 P Dodge. *Therioaphis maculata* [Hemiptera: Aphididae]. Aug 1978. USA: Ithaca, New York.
- 359 [ARSEF 370, 823; CSIRO EM539; IPLB 844] RJ Milner ← ARSEF (103). *Therioaphis maculata* [Hemiptera: Aphididae]. Acc'd 8 Jun 1979. Australia: Armidale, New South Wales. Reisolated from field release at Armidale; forms protoplasts.
- 370 [ARSEF 359, 823; CSIRO EM539; IPLB 844] RJ Milner ← ARSEF (103). *Therioaphis maculata* [Hemiptera: Aphididae]. Acc'd 27 Jul 1979. Australia: Armidale, New South Wales. Reisolated from field release at Armidale.
- 379 [IPLB 1118] CSIRO (EM540) ← JP Latgé. *Therioaphis maculata* [Hemiptera: Aphididae]. 9 Nov 1978. Mexico.
- 388 S Keller (214). [Diptera]. Rec'd 3 Oct 1979. Switzerland: Zürich.
- 389 S Keller (217). *Dicyphus pallidus* [Hemiptera: Miridae]. Rec'd 3 Oct 1979. Switzerland: Zürich.
- 404 [FPMI 705] S Keller (59). Adult, [Lepidoptera]. 20 Jul 1977. Switzerland.
- 407 [FPMI 706] FPMI (655) ← P Degroot. 4th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 26 Jun 1979. Canada: Thessalon, Ontario.
- 491 H Beerman and DE McCabe. Reisolate of ARSEF 141 after 3 passes through *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 18 Jun 1980. Laboratory manipulation.
- 685 DW Roberts (102181-12). *Nilaparvata lugens* [Hemiptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.
- 789 [CNPAF 82-6-25-01; CP 64; CSIRO EM732] RA Daoust (EK8-1) and M Yokoyama. Adult, *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 25 Jun 1982. Brazil: CNPAF, Goiânia, Goiás.
- 790 [CNPAF 82-6-25-02; CP 65; CSIRO EM733] RA Daoust (EK8-2) and M Yokoyama. Adult, *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 25 Jun 1982. Brazil: CNPAF, Goiânia, Goiás.
- 800 EL Cuebas-Incle. [Hemiptera: Cercopidae]. Jul 1979. USA: Six Mile Creek, Ithaca, New York.
- 822 [CSIRO EM667; IPLB 421] CSIRO (EM667) ← G Remaudière. *Capitophorus* sp. [Hemiptera: Aphididae]. 24 Oct 1973. France: Quineville, Manche.
- 823 [ARSEF 359, 370; CSIRO EM539; IPLB 844] G Lutton and RJ Milner ← ARSEF (103). *Therioaphis maculata* [Hemiptera: Aphididae]. 9 Nov 1978. Australia: Armidale, New South Wales. Reisolated from field release at Armidale.
- 899 SP Wraight (Ef-1). Reisolated of ARSEF 789 passed through *Empoasca fabae* [Homoptera: Cicadellidae]. Feb 1983. Laboratory manipulation.
- 914 S Keller (445). *Drepanosiphum aceris* [Hemiptera: Aphididae]. Nov 1982. Switzerland.
- 1018 JV Maddox and MR McGuire (A). *Empoasca fabae* [Hemiptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.
- 1019 JV Maddox and MR McGuire (B). *Empoasca fabae* [Hemiptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.
- 1020 JV Maddox and MR McGuire (D). *Empoasca fabae* [Hemiptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.
- 1021 JV Maddox and MR McGuire (F). *Empoasca fabae* [Hemiptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.
- 1048 J Aoki (Ent. 8) ← H Kawamoto. *Plutella xylostella* [Lepidoptera: Plutellidae]. Dec 1975. Japan: Fuchu, Tokyo Prefecture.
- 1050 J Aoki (Ent. 26) ← M Shimazu. *Delphacodes striatella* [Hemiptera: Delphacidae]. Dec 1976. Japan: Chikugo, Fukuoka Prefecture.
- 1082 CSIRO (EM752) ← G Lutton. *Merophyas divulsana* [Lepidoptera: Tortricidae]. 28 Jul 1983. Australia: Boonah, Queensland.

- 1100 AR Rashid. Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. Apr 1981. Malaysia: Cameron Highlands.
- 1125 [CSIRO EM682] M Shimazu (F-17). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Acc'd 29 Mar 1984. Japan: Fukuoka Prefecture.
- 1130 [CSIRO EM742] S Keller (444). *Drepanosiphum acericis* [Hemiptera: Aphididae]. Nov 1982. Switzerland.
- 1136 M Shimazu (F-43). *Nilaparvata lugens* [Hemiptera: Delphacidae]. Acc'd 3 Apr 1984. Japan: Fukuoka Prefecture.
- 1227 [CNPAF 84-04-03-6B; CP 127] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1228 [CNPAF 84-04-02-5D; CP 128] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.
- 1229 [CNPAF 84-04-02-6F; CP 129] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.
- 1231 [CNPAF 84-04-02-5B; CP 131] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.
- 1232 [CNPAF 84-04-02-5C; CP 132] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.
- 1233 [CNPAF 84-04-02-6G; CP 133] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.
- 1234 [CNPAF 84-04-02-6B; CP 134] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.
- 1236 [CNPAF 84-04-02-5J; CP 136] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.
- 1237 [CNPAF 84-04-02-5A; CP 137] DW Roberts. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.
- 1239 [CNPAF 84-03-30-2A-A; CP 139] DW Roberts. [Hemiptera: Cicadellidae]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 1261 JV Maddox and MR McGuire (C). *Empoasca fabae* [Hemiptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.
- 1262 JV Maddox and MR McGuire (E). *Empoasca fabae* [Hemiptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.
- 1263 J Aoki (Ent. 5) ← M Shimazu. [Hemiptera: Cicadellidae]. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.
- 1336 [ARSEF 1428] S Balazy (1555). Adult, [Diptera: Nematocera] attached to the leaves of herbaceous plants on a leafy forest floor. 21 May 1983. Poland: Bialowieza National Park.
- 1337 S Balazy (1558b). [Diptera] attached to the underside of leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.
- 1341 S Balazy (1577/6). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Sadurki.
- 1342 S Balazy (1577/7). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Sadurki.
- 1343 S Balazy (1577/8). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Sadurki.
- 1344 S Balazy (1578/1). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: gardens, Turka.
- 1345 S Balazy (1578/2). Larva, *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Turka.
- 1346 S Balazy (1578/1-2). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Turka.
- 1350 S Balazy (1589). Acc'd 5 Jun 1984. Poland.
- 1428 [ARSEF 1336] S Balazy (1555). [Diptera: Nematocera] attached to the leaves of herbaceous plants on a leafy forest floor. 21 May 1983. Poland: Bialowieza National Park.
- 1492 SG Wraight and SP Wraight (A-22). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 5 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1493 SG Wraight and SP Wraight (A-24). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 9 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1494 SG Wraight and SP Wraight (A-26). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 9 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1495 SG Wraight and SP Wraight (A-31). [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1496 SG Wraight and SP Wraight (A-33). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1497 SG Wraight and SP Wraight (A-37). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1498 SG Wraight and SP Wraight (A-41). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1499 SG Wraight and SP Wraight (A-42). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1500 SG Wraight and SP Wraight (A-44). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1501 SG Wraight and SP Wraight (A-50). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

- 1502 SG Wraight and SP Wraight (B-37). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1503 SG Wraight and SP Wraight (B-33). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1504 SG Wraight and SP Wraight (B-40). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.
- 1541 SG Wraight and SP Wraight (B-48). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1542 SG Wraight and SP Wraight (B-51). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1543 SG Wraight and SP Wraight (ErI11T3). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1544 [ARSEF 1595] SG Wraight and SP Wraight (A-9). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1581 SG Wraight and SP Wraight (A-6). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1582 SG Wraight and SP Wraight (A-5). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1583 SG Wraight and SP Wraight (A-7). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1584 SG Wraight and SP Wraight (A-10). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1585 SG Wraight and SP Wraight (A-12). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1586 SG Wraight and SP Wraight (A-13). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1587 SG Wraight and SP Wraight (A-16). [Hemiptera: Cicadellidae]. 5 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1588 SG Wraight and SP Wraight (A-17). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 5 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1589 SG Wraight and SP Wraight (A-19). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 5 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1590 SG Wraight and SP Wraight (A-21). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 5 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1591 SG Wraight and SP Wraight (A-30). [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1593 SG Wraight and SP Wraight (A-40). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1594 SG Wraight and SP Wraight (A-43). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1595 [ARSEF 1544] SG Wraight and SP Wraight (A-9). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1674 M Shimazu (F-448(1)). *Ptycholoma aeriferana* [Lepidoptera: Tortricidae]. 29 Jun 1984. Japan: Hokkaido Prefecture.
- 1675 M Shimazu (F-448(2)). *Ptycholoma aeriferana* [Lepidoptera: Tortricidae]. 29 Jun 1984. Japan: Hokkaido Prefecture.
- 1699 MC Rombach (A). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. Acc'd 6 Nov 1984. Philippines: IRRI, Los Baños, Manila.
- 1719 S Keller (520). *Trioza urticae* [Hemiptera: Psyllidae]. 18 Oct 1984. Switzerland: Trasadingen, Schaffhausen.
- 1841 SG Wraight and SP Wraight (Ef239t2). Reisolate of ARSEF 239 passed through *Empoasca fabae* [Homoptera: Cicadellidae]. 24 Jan 1985. Laboratory manipulation.
- 1928 SG Wraight and SP Wraight (A1a). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on cowpea. 25 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1929 SG Wraight and SP Wraight (B1). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on cowpea. 25 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1930 SG Wraight and SP Wraight (L2). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 29 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1931 SG Wraight and SP Wraight (M2). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 29 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1932 SG Wraight and SP Wraight (K2). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 29 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1933 SG Wraight and SP Wraight (N1). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 29 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1934 SG Wraight and SP Wraight (F). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 25 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1935 SG Wraight and SP Wraight (J1). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 25 May 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1937 SG Wraight and SP Wraight (W3). *Empoasca kraemeri* [Hemiptera: Cicadellidae] on beans. 8 Jun 1985. Brazil: CNPAF, Goiânia, Goiás.
- 1938 MR McGuire (85-1(1pass)). *Empoasca fabae* [Hemiptera: Cicadellidae] on snapbeans. 23 Jul 1985. USA: Champaign, Illinois.

- 2196 DW Roberts. [Hemiptera: Cicadellidae]. 2 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.
- 2241 RI Carruthers (HOP-V). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.
- 2242 RI Carruthers (HOP-III). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.
- 2243 RI Carruthers (HOP-II). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.
- 2244 RI Carruthers (HOP-VII). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.
- 2245 RI Carruthers (HOP-VI). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.
- 2246 RI Carruthers (HOP-I). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.
- 2256 TJ Poprawski (8631). Adult, *Hauptida distinguenda* [Hemiptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.
- 2257 TJ Poprawski (8633). Adult, *Hauptida distinguenda* [Hemiptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.
- 2258 TJ Poprawski (8634). Adult, *Hauptida distinguenda* [Hemiptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.
- 2259 TJ Poprawski (8635). Adult, *Hauptida distinguenda* [Hemiptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.
- 2260 TJ Poprawski (8636). Adult, *Hauptida distinguenda* [Hemiptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.
- 2261 TJ Poprawski (8637). Adult, *Hauptida distinguenda* [Hemiptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.
- 2262 TJ Poprawski (8639). Adult, *Hauptida distinguenda* [Hemiptera: Cicadellidae] on sunflower. 30 Aug 1986. France: Angoulême, Charente.
- 2282 RI Carruthers (D-I). *Empoasca* sp. [Hemiptera: Cicadellidae] on sugar beet. 4 Sep 1986. Yugoslavia: Dobakov.
- 2283 RI Carruthers (D-III). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Dobakov.
- 2284 RI Carruthers (D-II). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Dobakov.
- 2285 RI Carruthers. *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Padihska Skela.
- 2286 RI Carruthers (A-IV). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.
- 2287 RI Carruthers (A-II). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.
- 2288 RI Carruthers (D-IV). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Dobakov.
- 2289 RI Carruthers (C-II). *Empoasca* sp. [Hemiptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Padihska Skela.
- 2400 H Firstencel. *Empoasca fabae* [Hemiptera: Cicadellidae]. Mar 1986. Location not specified. Segregant of ARSEF 1590, forms resting spores.
- 2410 DG Holdom (300187). Larva, *Cnaphalocrocis medicinalis* [Lepidoptera: Pyralidae]. 30 Jan 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2411 DG Holdom (130287-2). Adult, *Sesamia inferens* [Lepidoptera: Noctuidae]. 13 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.
- 2499 [ARSEF 2524 (deaccessioned)] J Eilenberg (KVL 32). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2500 J Eilenberg (KVL 30). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2501 J Eilenberg (KVL 31). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2503 J Eilenberg (KVL 37). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2506 J Eilenberg (KVL 35). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2523 J Eilenberg (KVL 36). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2549 JV Maddox (HELMAV87, BULT). [Hemiptera: Cicadellidae]. 1987. USA: N of Champaign, Illinois.
- 2550 JV Maddox (EL87, PLH). *Empoasca fabae* [Hemiptera: Cicadellidae]. 1987. USA: N of Champaign, Illinois.
- 2551 JV Maddox (CHAMP87, BPLH-2). [Hemiptera: Cicadellidae]. 1987. USA: N of Champaign, Illinois.
- 2552 JV Maddox (UNION87, BLH-1). [Hemiptera: Cicadellidae]. 1987. USA: Union soybean field, McHenry, Illinois.
- 2554 [ARSEF 2669 (deaccessioned)] J Eilenberg (KVL 38). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.
- 2558 H Firstencel. Laboratory reisolate of ARSEF 1590 from marcescent material stored 35 months. Rec'd 8 Mar 1988. Location not specified.
- 2600 BP Magalhães ← SP Wraight (T-7). Reisolate of ARSEF 1261. Acc'd 13 Sep 1988. Location not specified.
- 2601 BP Magalhães ← SP Wraight (T-8). Reisolate of ARSEF 1261. Acc'd 13 Sep 1988. Location not specified.
- 2666 J Eilenberg (KVL 47). *Delia radicum* [Diptera: Anthomyiidae]. 28 Jul 1988. Denmark: Roskilde, Zealand.

- 2696 [ARSEF ?3161] TJ Poprawski (8812D). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 2697 TJ Poprawski (88102). Reisolate of ARSEF 2700 after 3 passes through *Schizaphis graminum* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2698 TJ Poprawski (88111). Reisolate of ARSEF 2709 after 3 passes through *Chorisops tibialis* [Diptera: Stratiomyidae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2699 TJ Poprawski (88113). Reisolate of ARSEF 2706 after 2 passes through *Empoasca flavescens* [Homoptera: Cicadellidae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2700 [ARSEF 3171] G Mercadier and TJ Poprawski (8843A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 2701 [ARSEF 3119] G Mercadier and TJ Poprawski (8826). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 2702 [ARSEF ?3117] TJ Poprawski (8824B). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 2703 [ARSEF 3116] G Mercadier and TJ Poprawski (8820A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Kovin.
- 2704 TJ Poprawski (88100). Reisolate of ARSEF 2702 after 2 passes through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2705 TJ Poprawski (88103). Reisolate of ARSEF 2701 after 7 passes through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2706 [ARSEF 3149] G Mercadier and TJ Poprawski (8825A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 2707 TJ Poprawski (88107). Reisolate of ARSEF 2696 after 2 passes through *Acyrtosiphon pisum* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2708 [ARSEF ?3163] TJ Poprawski (8817B). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 2709 [ARSEF 3114] G Mercadier and TJ Poprawski (8818A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.
- 2710 TJ Poprawski (88121). Reisolate of ARSEF 2703 after 2 passes through *Schizaphis graminum* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2711 TJ Poprawski (88108). Reisolate of ARSEF 2696 after 2 passes through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2712 TJ Poprawski (88116). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.
- 2713 [ARSEF 3164] G Mercadier and TJ Poprawski (8823A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 2714 TJ Poprawski (88129). Reisolate of ARSEF 2703 passed through *Syrphus* sp. [Diptera: Syrphidae]. Rec'd 14 Apr 1989. Laboratory manipulation.
- 2716 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae] on snap bean. 1987. USA: Illinois Natural History Survey plot, Champaign, Illinois.
- 2717 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae] on soybean. 1987. USA: Union field, McHenry, Illinois.
- 2718 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae] on bean. 1987. USA: Helmar field, Kendall, Illinois.
- 2719 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae] on soybean. 1987. USA: East Lynn field, Vermillion, Illinois.
- 2720 H Firstencel ← JV Maddox. *Empoasca fabae* [Hemiptera: Cicadellidae]. 1985. USA: Champaign, Illinois.
- 2732 GW Riethmacher (EB2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 6 Apr 1989. Philippines: La Trinidad, Benguet.
- 2811 MG Feng (MD8901). *Metopolophium dirhodum* [Hemiptera: Aphididae] on spring wheat. 7 Jul 1989. USA: Parma, Idaho.
- 2893 GW Riethmacher (E2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 Apr 1989. Philippines: La Trinidad, Benguet.
- 2977 D Landis (1A). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 23 Aug 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.
- 2978 D Landis (1B). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 23 Apr 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.
- 2979 D Landis (1C). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 23 Aug 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.
- 2980 D Landis (2A). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 24 Aug 1989. USA: Hudson Farm, Allegan County, Michigan.
- 2994 LG Leite and SP Wraight (C-1 Topo SP-3). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.
- 2995 LG Leite and SP Wraight (C-1 Topo SP-2). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.

- 2996 LG Leite and SP Wraight (C-2 Test SP-5). *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.
- 3002 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 10, field # 1, Capão Bonito, São Paulo.
- 3003 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 4, field # 1, Capão Bonito, São Paulo.
- 3004 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 2, Capão Bonito, São Paulo.
- 3005 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 5 Apr 1990. Brazil: treatment plot # 1, field # 1, Capão Bonito, São Paulo.
- 3006 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 10, field # 1, Capão Bonito, São Paulo.
- 3007 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 1, Capão Bonito, São Paulo.
- 3008 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 2, Capão Bonito, São Paulo.
- 3009 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 30 Apr 1990. Brazil: treatment plot # 1, field # 1, Capão Bonito, São Paulo.
- 3010 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. Apr 1990. Brazil: treatment plot # 3, field # 1, Capão Bonito, São Paulo.
- 3011 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 30 Apr 1990. Brazil: control plot # 1, field # 1, Capão Bonito, São Paulo.
- 3012 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 7 May 1990. Brazil: treatment plot # 3, field # 1, Capão Bonito, São Paulo.
- 3013 SP Wraight ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 1, field # 1, Capão Bonito, São Paulo.
- 3021 H Firstencel (Yugo-1). Rec'd 21 Dec 1989. Location not specified. The Yugo mix, created by H. Firstencel, is a combination of the following 7 isolates: 2706, 2246, 2288, 2712, 2240, 2283, 2243.
- 3022 H Firstencel (Yugo-2). Rec'd 21 Dec 1989. Location not specified. The Yugo mix, created by H. Firstencel, is a combination of the following 7 isolates: 2706, 2246, 2288, 2712, 2240, 2283, 2243.
- 3023 H Firstencel (Brazil-1). Rec'd 21 Dec 1989. Location not specified. The Brazil mix, created by H. Firstencel, is a combination of the following 7 isolates: 1228, 1239, 1493, 1928, 1231, 1504, 1581.
- 3024 H Firstencel (Brazil-2). Rec'd 21 Dec 1989. Location not specified. The Brazil mix, created by H. Firstencel, is a combination of the following 7 isolates: 1228, 1239, 1493, 1928, 1231, 1504, 1581.
- 3026 DW Roberts ← LG Leite. *Empoasca kraemeri* [Hemiptera: Cicadellidae]. 5 Apr 1990. Brazil.
- 3104 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field, strip # 1, Catherine, New York.
- 3105 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field, strip # 1, Catherine, New York.
- 3114 [ARSEF 2709] G Mercadier and TJ Poprawski (8818A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.
- 3115 G Mercadier and TJ Poprawski (8819A). *Typhlocyba* sp. [Hemiptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.
- 3116 [ARSEF 2703] G Mercadier and TJ Poprawski (8820A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Kovin.
- 3117 [ARSEF ?2702] TJ Poprawski (8824B). Reisolate of ARSEF 3150 passed through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 27 Nov 1990. Laboratory manipulation.
- 3118 TJ Poprawski (8825B). Reisolate of ARSEF 3149 passed through *Musca autumnalis* [Diptera: Muscidae]. Rec'd 27 Nov 1990. Laboratory manipulation.
- 3119 [ARSEF 2701] G Mercadier and TJ Poprawski (8826). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3149 [ARSEF 2706] G Mercadier and TJ Poprawski (8825A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 22 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3150 G Mercadier and TJ Poprawski (8824A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 22 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3151 TJ Poprawski (8819B). *Empoasca vitis* [Hemiptera: Cicadellidae]. Rec'd 27 Nov 1990. Laboratory manipulation. Reisolate of ARSEF 3225.
- 3159 G Mercadier and TJ Poprawski (8812B). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3160 G Mercadier and TJ Poprawski (8812C). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3161 [ARSEF ?2696] TJ Poprawski (8812D). Rec'd 11 Dec 1990. Laboratory manipulation.
- 3162 TJ Poprawski (8817A) ← IL Sivcev. *Empoasca vitis* [Hemiptera: Cicadellidae]. 23 Sep 1988. Location not specified.
- 3163 [ARSEF ?2708] TJ Poprawski (8817B). *Diuraphis noxia* [Hemiptera: Aphididae]. Rec'd 11 Dec 1990. Laboratory manipulation. Reisolate of ARSEF 3162.
- 3164 [ARSEF 2713] G Mercadier and TJ Poprawski (8823A). *Empoasca vitis* [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

- 3165 G Mercadier and TJ Poprawski (8830A). *Empoasca vitis* [Hemiptera: Cicadellidae] on cabbage. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3170 G Mercadier and TJ Poprawski (8842A). *Typhlocyba* sp. [Hemiptera: Cicadellidae] on *Abutilon* sp. 20 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3171 [ARSEF 2700] G Mercadier and TJ Poprawski (8843A). *Typhlocyba* sp. [Hemiptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.
- 3172 TJ Poprawski (8843B). *Empoasca vitis* [Hemiptera: Cicadellidae]. Rec'd 11 Dec 1990. Laboratory manipulation. Reisolate of ARSEF 3171.
- 3204 GW Riethmacher (E3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 5 Apr 1989. Philippines: La Trinidad, Benguet.
- 3205 GW Riethmacher (E5). *Plutella xylostella* [Lepidoptera: Plutellidae]. 7 Apr 1989. Philippines: La Trinidad, Benguet.
- 3206 GW Riethmacher (E6). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 May 1989. Philippines: La Trinidad, Benguet.
- 3213 M Wheeler (Yugo Mix Plate#1). Rec'd 27 Dec 1990. Location not specified. This culture was taken from a bubbler mixture of ARSEFs 2240, 2243, 2246, 2283, 2288, 2706, and 2712.
- 3214 M Wheeler (Yugo Mix Plate#2). Rec'd 27 Dec 1990. Location not specified. This culture was taken from a bubbler mixture of ARSEFs 2240, 2243, 2246, 2283, 2288, 2706, and 2712.
- 3217 SG Wraight and SP Wraight (Ef1590). Reisolate of ARSEF 1590 passed through *Empoasca fabae* [Homoptera: Cicadellidae]. Rec'd 22 Jan 1991. Laboratory manipulation.
- 3283 [ARSEF 3284] S Roberts (Champ90LH2To(B)). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 1990. USA: Champaign County, Illinois.
- 3284 [ARSEF 3283] S Roberts (Champ90LH2To(E)). *Empoasca fabae* [Hemiptera: Cicadellidae] on alfalfa. 1990. USA: Champaign County, Illinois.
- 3355 M Wheeler. *Empoasca fabae* [Hemiptera: Cicadellidae]. Rec'd 13 Jun 1991. Laboratory manipulation. Reisolate of 1019 after two passes through PLH.
- 3376 M Wheeler ← MH Griggs. *Empoasca fabae* [Hemiptera: Cicadellidae]. 26 Jul 1991. USA: Game Farm Rd., Ithaca, New York.
- 3377 M Wheeler ← MH Griggs. *Empoasca fabae* [Hemiptera: Cicadellidae]. 29 Jul 1991. USA: Game Farm Rd., Ithaca, New York.
- 3390 M Wheeler ← MH Griggs. *Empoasca fabae* [Hemiptera: Cicadellidae]. 5 Aug 1991. USA: Game Farm Rd., Ithaca, New York.
- 3623 ATCC (32245) ← RG Kenneth (3029). *Empoasca* sp. [Hemiptera: Cicadellidae] on citrus leaf. Rec'd 11 Mar 1992. Israel: Girat, Brenner.
- 3697 MH Griggs. *Empoasca fabae* [Hemiptera: Cicadellidae]. Rec'd Spring 1992. Laboratory manipulation.
- 3737 I Ben-Ze'ev and A Uziel. *Therioaphis trifolii* f. *maculata* [Hemiptera: Aphididae]. Aug 1985. Israel: Bet-Seham Valley.
- 4520 MH Griggs (PLH3284ows). *Empoasca fabae* [Hemiptera: Cicadellidae]. 2 Jun 1994. USA: USPSNL, Ithaca, New York. Cadavers infected with ARSEF 3284 overwintered 1993-1994 and reisolated.
- 4781 [INIA 2330] J Eilenberg (KVL 608). *Epinotia aporema* [Lepidoptera: Tortricidae]. 7 May 1994. Uruguay.
- 4782 [INIA 2553] J Eilenberg (KVL 609). *Epinotia aporema* [Lepidoptera: Tortricidae]. 13 May 1994. Uruguay.
- 4783 [INIA 228] J Eilenberg (KVL 613). *Anacamptis humilis* [Lepidoptera: Gelechiidae]. Rec'd 13 Sep 1994. Uruguay.
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- 11861 C López Lastra and R Manfrino. *Brevicoryne brassicae* [Hemiptera: Aphididae] on *Brassica oleracea* L., broccoli. 27 May 2012. Argentina: Monte Vera, Santa Fe.
- 12800 SR Sánchez Peña (1) and RI Torres-Acosta. *Bagrada hilaris* [Hemiptera: Pentatomidae] on *Sisymbrium* sp., weedy crucifers. Oct 2014. Mexico: Saltillo, Coahuila.
- 12801 SR Sánchez Peña (2) and RI Torres-Acosta. *Bagrada hilaris* [Hemiptera: Pentatomidae] on *Sisymbrium* sp., weedy crucifers. Oct 2014. Mexico: Saltillo, Coahuila.

Unidentified / Hyphomycetes

- [Acari]
Unknown species 7374 10281
- [Araneida]
Unknown species 7345
- [Coleoptera]
Unknown species 8641
- [Coleoptera: Buprestidae]
Agrilus planipennis 8155 8179 8183 8184
- [Coleoptera: Coccinellidae]
Unknown species 5677
- [Coleoptera: Curculionidae]
Unknown species 2225 5695
- [Coleoptera: Scarabaeidae]
Cochliotus melolonthoides 11666
Popillia japonica 5223 5224 5225 5226 5227
Rhizotrogus majalis 2999
- [Diptera]
Unknown species 7078 10171
- [Hemiptera]
Unknown species 7392 7806
- [Hemiptera: Adelgidae]
Adelges tsugae 9364 9366 12086 12087 12088 12090
- [Hemiptera: Aleyrodidae]
Unknown species 9539
- [Hemiptera: Aphididae]
Unknown species 6503
Diuraphis noxia 4689 4690
- [Hemiptera: Cicadellidae]
Recilia dorsalis 2177
- [Hemiptera: Coccidae]
Parthenolecanium 12085
Parthenolecanium corni 9538
- [Hemiptera: Coccoidea]
Unknown species 7386
- [Hemiptera: Diaspididae]
Fiorinia externa 7067
- [Hemiptera: Miridae]
Lygus lineolaris 6504
- [Hemiptera: Ortheziidae]
Orthezia insignis 7383
- [Hemiptera: Pentatomidae]
Acanthosoma labiduroides 5698
Halyomorpha halys 10386 10387 10392
- [Hemiptera: spf. Coccoidea]
Unknown species 7076 7081 7086
- [Hemiptera: Tingidae]
Leptopharsa heveae 8640
- [Hymenoptera: Formicidae]
Unknown species 12027 12028 12029 12030 12031 12041 12042 12043 12044 12045 12047
- [Isoptera: Termitidae]
Nasutitermes acajutlae 7802
- [Lepidoptera]
Unknown species 9540
- [Lepidoptera: Arctiidae]
Hyphantria cunea 12163 12164 12167 12170 12171 12176 12178 12179 12180 12181
- [Lepidoptera: Lymantriidae]
Lymantria dispar 4899 4900
- [Lepidoptera: Pyralidae]
Galleria mellonella 5199
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 10191 10282 10283 10284 10285 10286 10292 10293 10307
Thrips tabaci 3142
- [Tylenchida: Heteroderidae]
Heterodera glycines 5237 5238 5239 5240 5241 5242 5243 5244 5245 5246 5247 5248

Unidentified / Zygomycetes

- [Hemiptera: Aphididae]
Unknown species 6157 6158 6159 6507 6508 6509 6510 6511
Acyrtosiphon pisum 6119 6160
Aphis fabae 2022
Diuraphis noxia 4970 4971

Unidentified Entomophthorales sp.

- [Diptera: Tipulidae]
Unknown species 7227 7228 7229 7230

Unidentified sp.

- [Acari: Ixodidae]
Ixodes scapularis 6895 6899
- [Araneida]
Unknown species 1419 3209
- [Coleoptera]
Unknown species 1634
- [Coleoptera: Chrysomelidae]
Leptinotarsa decemlineata 3724
Oulema melanopus 3980
Phyllotreta nigripes 4037
- [Coleoptera: Coccinellidae]
Hippodamia convergens 3821
- [Coleoptera: Curculionidae]
Aracanthus 3478
Sternechus subsignatus 3471
- [Coleoptera: Scarabaeidae]
Aphodius tasmanniae 4140
Popillia japonica 3714 3719 3722 3841
- [Diptera]
Unknown species 1922
- [Diptera: Culicidae]
Anopheles 2563
Anopheles gambiae 3380 3381
- [Diptera: Psychodidae]
Lutzomyia 3123 3124 3378 3420 3421 3423 3424 3425 3427 3428
Lutzomyia longipalpis 3422
Lutzomyia saulensis 3413 3417 3419
Lutzomyia trapidoi 3426
- [Diptera: Simuliidae]
Unknown species 3227 3228 3230 3231 3232 3233 3235 3236 3245 3246 3247
- [Diptera: Tipulidae]
Tipula 9334
- [Hemiptera]
Unknown species 1423
- [Hemiptera: Adelgidae]
Adelges tsugae 9921
- [Hemiptera: Aleyrodidae]
Unknown species 4003 7070

- Bemisia* 3798 3799 3801 3802 3805 3806 3807
- Bemisia tabaci* 3773 3779 3842 3844 3845 3847 3849 3850 3869 3876
- Dialeurodes citri* 3304
- [Hemiptera: Aphididae]
Unknown species 1693 1694 3122 3125 3894 4204 4214 4215
- Metopolophium dirhodum* 3368
Myzus nicotinae 3239
Rhopalosiphum padi 3374
- [Hemiptera: Cercopidae]
Aeneolamia varia 6370
Prosapia simulans 3536
Zulia carbonaria 6463 6466
- [Hemiptera: Cicadellidae]
Empoasca fabae 3128
- [Hemiptera: Membracidae]
Unknown species 4000
- [Hymenoptera: Apidae]
Unknown species 4844
- [Hymenoptera: Formicidae]
Solenopsis invicta 2640 3860
- [Hymenoptera: Ichneumonidae]
Cratichneumon lanius 1421
- [Lepidoptera: Crambidae]
Diaphania hyalinata 3803
- [Lepidoptera: Geometridae]
Hibernia defoliaria 1415 1417
Lambdina athasaria 3567 3568 3569
- [Lepidoptera: Incurvariidae]
Paraclemensia acericaulis 3794 3796 3797
- [Lepidoptera: Plutellidae]
Plutella xylostella 2821
- [Lepidoptera: Pyralidae]
Cnaphalocrocis medinalis 1703
Diatraea saccharalis 3298 3299 3804
- [Lepidoptera: Riodinidae]
Euselasia 3467 3468
- [Lepidoptera: Yponomeutidae]
Yponomeuta 3998
- [Thysanoptera: Phlaeothripidae]
Haplothrips tritici 3990 3991 3992 4201
- [Thysanoptera: Thripidae]
Frankliniella occidentalis 3570 3993 3994 3997
Taeniothrips inconsequens 3319 3560
- [Trichoptera]
Unknown species 3242 3243
- Acremonium sp.**
- [Hemiptera: Adelgidae]
Adelges tsugae 5773
- [Hemiptera: Aleyrodidae]
Bemisia tabaci 4058 4059
- [Hemiptera: Coccidae]
Pulvinaria iceryi 11667
- [Thysanoptera: Thripidae]
Thrips tabaci 4063
- Acremonium alternatum**
- [Coleoptera: Scolytidae]
Hypothenemus hampei 7282

Acronium bactrocephalum [Thysanoptera: Thripidae] <i>Taeniothrips inconsequens</i> 10166 10167 10168 10169	Arthrotrys oligospora [Diptera: Anthomyiidae] <i>Delia floralis</i> 5561 5562 [Tylenchida: Heteroderidae] <i>Meloidogyne hapla</i> 4967	Ascospaera aggregata [Hymenoptera: Megachilidae] <i>Megachile rotundata</i> 689 690
Acronium berkeleyanum [Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 2067	Aschersonia sp. [Hemiptera] Unknown species 3015 [Hemiptera: Aleyrodidae] Unknown species 3014 4207 4208 4210 4433 4434 4435 4436 4437 4438 4439 4440 4441 4442 4443 4444 4445 4448 4449 5215 5216 <i>Dialeurodes citri</i> 2351 2357 2358 2397 2398 4424 4426 4430 4431 4432 [Hemiptera: Coccidae] Unknown species 10276 [Hemiptera: spf. Coccoidea] Unknown species 7085	Ascospaera apis [Hymenoptera: Apidae] <i>Apis mellifera</i> 691 692 2683 5142 6362 7405 7406 13022 13023 13024 13025 13026 13027 13028 13029 13030 <i>Bombus</i> 12634
Acronium furcatum [Coleoptera: Curculionidae] <i>Hypera postica</i> 1372	Aschersonia aleyrodii [Hemiptera: Aleyrodidae] Unknown species 430 432 4209 12802 12803 <i>Aglaia odoratissima</i> 2154 <i>Dialeurodes ?citri</i> 341 342 <i>Dialeurodes citri</i> 992 9535 <i>Trialeurodes vaporariorum</i> 2268	Ascospaera arienoides [Hymenoptera: Megachilidae] <i>Megachile</i> 5143
Acronium psamosporum [Thysanoptera: Thripidae] <i>Thrips tabaci</i> 4062	Aschersonia andropogonis [Hemiptera] Unknown species 7391	Ascospaera atra [Hymenoptera: Apidae] <i>Apis mellifera</i> 5147 [Hymenoptera: Megachilidae] <i>Megachile rotundata</i> 693
Acronium roseum [Lepidoptera: Noctuidae] <i>Pseudoplusia ni</i> 1964	Aschersonia goldiana [Hemiptera: Aleyrodidae] <i>Dialeurodes ?citri</i> 343	Ascospaera duoformis [Hymenoptera: Apidae] <i>Apis mellifera</i> 5141
Acronium(?) sp. [Hemiptera: Adelgidae] <i>Adelges tsugae</i> 9368 [Hemiptera: Coccidae] Unknown species 7036 [Thysanoptera: Thripidae] <i>Frankliniella occidentalis</i> 7031	Aschersonia insperata [Hemiptera: Aleyrodidae] <i>Dialeurodes citri</i> 2356 2396	Ascospaera flava [Hymenoptera: Megachilidae] <i>Megachile</i> 5144
Acrodontium crateriforme [Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 2070	Aschersonia placenta [Hemiptera: Aleyrodidae] <i>Dialeurodes citri</i> 7603 [Hemiptera: Coccoidea] Unknown species 7604	Ascospaera larvis [Hymenoptera: Megachilidae] <i>Megachile rotundata</i> 7945 7946
Akanthomyces clavatus [Hymenoptera: Formicidae] <i>Solenopsis invicta</i> 7577	Aschersonia rhombispora [Hemiptera] Unknown species 7390	Ascospaera major [Hymenoptera] Unknown species 694
Akanthomyces gracilis [Hymenoptera: Formicidae] <i>Paltothyreus tarsatus</i> 2910 2919	Aschersonia turbinata [Hemiptera] Unknown species 1030 [Hemiptera: Diaspididae] <i>Aonidiella aurantii</i> 11868 11869	Ascospaera proliperda [Hymenoptera: Megachilidae] <i>Megachile centuncularis</i> 695 <i>Megachile rotundata</i> 696 6363
Amoebidium appalachense [Diptera: Chironomidae] <i>Chironomus</i> 9181 9255 9256	Ascospaera solina [Hymenoptera: Colletidae] Unknown species 5146	Ascospaera subcuticulata [Hymenoptera: Megachilidae] <i>Chalicodoma</i> 5145
Amoebidium parasiticum [Cladocera] Unknown species 9182 9257 [Diptera: Chironomidae] <i>Chironomus</i> 9183	Aschersonia turbinata [Hemiptera: Aleyrodidae] <i>Dialeurodes citri</i> 7603 [Hemiptera: Coccoidea] Unknown species 7604	Aspergillus sp. [Acari: Ixodidae] <i>Ixodes scapularis</i> 6604 6898 [Blattodea: Blattellidae] <i>Supella longipalpa</i> 8284 [Coleoptera: Chrysomelidae] <i>Leptinotarsa decemlineata</i> 6571 [Coleoptera: Curculionidae] <i>Anthonomus grandis</i> 7048 [Hemiptera: Aleyrodidae] <i>Bemisia tabaci</i> 3698 [Hemiptera: Cercopidae] <i>Aeneolamia varia</i> 6369 [Hemiptera: Delphacidae] <i>Sogatella furcifera</i> 8519 [Hemiptera: Pentatomidae] <i>Dolycorus</i> 6405 6406 6408 <i>Nezara viridula</i> 8280
Aphanocladium sp. [Hemiptera: Delphacidae] <i>Delphacodes kuscheli</i> 8457 8458	Ascospaera sp. [Hymenoptera: Superfamily Apoidea] Unknown species 7368	
Aphanocladium album [Araneida: Araneae] Unknown species 6492 [Coleoptera: Curculionidae] <i>Hypera postica</i> 1329 [Hemiptera: Aleyrodidae] <i>Bemisia tabaci</i> 3680 [Hemiptera: Scutelleridae] <i>Eurygaster</i> 5756		
Aphanomyces sp. [Dorylaimida: Longidoridae] <i>Xiphinema americanum</i> 2005		

- [Hemiptera: Scutelleridae]
Eurygaster 6399
- [Hymenoptera: Formicidae]
Unknown species 12050 12051
- [Hymenoptera: Megachilidae]
Megachile rotundata 6364
- [Isoptera: Termitidae]
Unknown species 8633
- [Lepidoptera: Noctuidae]
Rachiplusia nu 5205
- [Lepidoptera: Plutellidae]
Plutella xylostella 2765 2817 2820
- [Orthoptera: Acrididae]
Melanoplus 1152
- Aspergillus clavatus**
[Hemiptera: Aphididae]
Myzus persicae 4359
- [Hemiptera: Pseudococcidae]
Phenacoccus solenopsis 9375
- Aspergillus flavus**
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 6469
- [Coleoptera: Scarabaeidae]
Pachnoda interrupta 6454
- [Coleoptera: Tenebrionidae]
Tenebrio molitor 9381
- [Diptera: Bombyliidae]
Unknown species 3430
- [Diptera: Sarcophagidae]
Neobullieria citellivora 3144
- [Hemiptera: Pseudococcidae]
Phenacoccus solenopsis 9376
- [Hymenoptera: Formicidae]
Anoplolepis longipes 2157 2158 2159
- [Lepidoptera: Bombycidae]
Bombyx mori 1003 1010
- [Lepidoptera: Gelechiidae]
Phthorimaea operculella 4126
- [Lepidoptera: Plutellidae]
Plutella xylostella 2818
- Aspergillus flavus(?)**
[Lepidoptera: Pyralidae]
Galleria mellonella 5503 5504 5505
5506 5507 5508 5509
- Aspergillus nidulans(?)**
[Coleoptera: Curculionidae]
Diaprepes abbreviata 6515
- Aspergillus niger**
[Hemiptera: Pentatomidae]
Dolycorus 6407
- [Hemiptera: Scutelleridae]
Eurygaster 5721
- [Hymenoptera: Megachilidae]
Osmia lignaria 6365
- [Isoptera: Termitidae]
Nasutitermes acajutlae 7797 7798 7799
- [Orthoptera]
Unknown species 3143
- Aspergillus niger(?)**
[Diptera: Drosophilidae]
Drosophila 7975
- Aspergillus ochraceus**
[Acari: Ixodidae]
Ixodes scapularis 3325
- [Hemiptera: Scutelleridae]
Eurygaster 5722
- [Lepidoptera: Lymantriidae]
Lymantria dispar 2833
- Aspergillus ochraceus(?)**
[Hymenoptera: Formicidae]
Solenopsis invicta 7027
- Aspergillus parasiticus**
[Coleoptera: Curculionidae]
Unknown species 2173
- [Lepidoptera: Pyralidae]
Eoreuma loftini 5470
- Aspergillus sydowii**
[Alcyonacea: Gorgoniidae]
Gorgonia ventalina 8379 8380 8381
8382
- Aspergillus tamaraii**
[Lepidoptera: Gelechiidae]
Phthorimaea operculella 4127
- Barbatospora ambicaudata**
[Diptera: Simuliidae]
Simulium vandalicum 9020
- Basidiobolus sp.**
[Anura: Bufonidae]
Bufo bufo 9894 9895 9896 9897 9898
9899 9906 9907 9908
- [Anura: Dendrobatidae]
Dendrobates leucomelas 9888
- [Anura: Discoglossidae]
Alytes 9903 9904 9905 9909 9910 9911
9912
- Discoglossus* 9900 9901 9902
- [Anura: Microhylidae]
Dyscophus guineti 9887
- [Anura: Ranidae]
Hylarana erythraea 9890
Hylarana glandulosa 9892
Hylarana labialis 9891 9893
- [Caudata: Salamandridae]
Triturus marmoratus 9889
- [Primates: Hominidae]
Homo sapiens 273
- Basidiobolus haptosporus**
[Diptera: Brachycera]
Unknown species 1347
- [Primates: Hominidae]
Homo sapiens 261 272
- Basidiobolus ranarum**
[Lepidoptera: Lasiocampidae]
Dendrolimus spectabilis 1139
- Batkoa sp.**
[Coleoptera: Cantharidae]
Unknown species 5810
- [Hemiptera: Aphididae]
Acyrtosiphon pisum 3131
- [Lepidoptera: Lasiocampidae]
Malacosoma disstria 7370
- [Lepidoptera: Noctuidae]
Panolis flammea 6179
- Batkoa apiculata**
[Diptera: Sciaridae]
Unknown species 919 927 1660 1661
- Bradysia paupera* 3225 3226
- [Hemiptera: Aphididae]
Acyrtosiphon kondoi 839
- Acyrtosiphon pisum* 2504 3130 3136
3140
- Brevicoryne brassicae* 1146
- Macrosiphum euphorbiae* 174
- Myzus ascalonicus* 67
- Myzus persicae* 129
- Rhopalosiphum maidis* 3088 3091
- Rhopalosiphum padi* 3080 5994
- [Hemiptera: Cicadellidae]
Unknown species 5552
- [Hymenoptera]
Unknown species 395
- Batkoa gigantea**
[Diptera: Tipulidae]
Tipula paludosa 214 215 403
- Batkoa major**
[Diptera: Drosophilidae]
Drosophila suzukii 12251
- [Hemiptera: Aphididae]
Unknown species 1427
- [Hemiptera: Cicadellidae]
Empoasca fabae 2936 3102 3103
- Batkoa papillata(?)**
[Diptera: Simuliidae]
Unknown species 7068
- Beauveria sp.**
[Araneida]
Unknown species 1669 7582
- [Araneida: Araneae]
Unknown species 5174 5187 6691
- [Coleoptera]
Unknown species 5697 5831 7595
- [Coleoptera: Buprestidae]
Agrilus planipennis 8110 8111 8112
8113 8116 8117 8119 8120 8121
8122 8123 8124 8125 8126 8127
8128 8129 8130 8132 8133 8134
8135 8136 8137 8138 8139 8140
8141 8143 8144 8145 8146 8147
8148 8149 8150 8151 8152 8153
8154 8156 8158 8159 8160 8161
8164 8166 8167 8168 8169 8170
8171 8172 8173 8174 8175 8176
8177 8178 8180 8181 8182 8185
8186 8187 8188
- [Coleoptera: Chrysomelidae]
Basilepta fulvicornis 8250
Pachybrachis pallicornis 547

[Coleoptera: Coccinellidae]	Beauveria amorpha	10457 10458 10459 10460 10461
Unknown species 4853 5833 7591	[Coleoptera: Cerambycidae]	10462 10463 10464 10465 10466
<i>Coccinella septempunctata</i> 4027	<i>Psacotheta hilaris</i> 1680	10467 10468
[Coleoptera: Curculionidae]	[Coleoptera: Curculionidae]	[Coleoptera: Carabidae]
Unknown species 7463	<i>Premnotrypes suturicallus</i> 1969	Unknown species 952 1975 3386 6059
<i>Anthonomus grandis</i> 1835	[Coleoptera: Scarabaeidae]	6099 6689 7241 7270 7581
<i>Hypera postica</i> 1327	<i>Adoryphorus coulouii</i> 4149	<i>Amara familiaris</i> 4034
<i>Shirahoshizo insidiosus</i> 1681	<i>Anomala costata</i> 1676	<i>Amara plebeja</i> 4031
[Coleoptera: Elateridae]	<i>Popillia japonica</i> 4990	<i>Bembidion lampros</i> 4032
Unknown species 7580	[Hemiptera: Cicadellidae]	[Coleoptera: Cerambycidae]
[Coleoptera: Lampyridae]	<i>Nephotettix bipunctata cincticeps</i> 656	Unknown species 318 319 785 5072
Unknown species 5186	[Hymenoptera: Formicidae]	6721 7251 7261 7266 7275 9442
[Coleoptera: Scarabaeidae]	<i>Pogonomyrma occidentalis</i> 7542	<i>Anoplophora glabripennis</i> 6387 6390
<i>Anomala cuprea</i> 1682	<i>Solenopsis</i> 2641	6391 6393 7152 7153 7154 7155
<i>Phyllophaga</i> 12793 12794 12795	[Lepidoptera]	7156 7157 7158 7159 7166 7167
<i>Popillia japonica</i> 4390 4391 4392	Unknown species 6227	7168 7169 7170 7171 7172 7173
<i>Xyloryctes jamaicensis</i> 2412	[Orthoptera: ?Gryllacrididae]	7174 7175 7176 7177 7178 7179
[Coleoptera: Scolytidae]	Unknown species 6376 6577	8412 8413 8414
<i>Dendroctonus micans</i> 9272	Beauveria amorpha(?)	<i>Aromia moschata</i> 1559 1560 1561 1562
<i>Tomicus pimperda</i> 4909 4910 4911	[Coleoptera: Cerambycidae]	1563
4912 4913 4914 4915 4916 4917	<i>Anoplophora glabripennis</i> 6827	<i>Dectes texanus</i> 6471
4918	Beauveria asiatica	<i>Enaphalodes rufulus</i> 7404
[Hemiptera]	[Coleoptera: Scarabaeidae]	<i>Moechotypa diphysis</i> 1678
Unknown species 11754	<i>Holotrichia parallela</i> 4384 4474	<i>Monochamus alternatus</i> 1679
[Hemiptera: Membracidae]	Beauveria australis	<i>Monochamus scutellatus</i> 7162 7163
Unknown species 2164	[Orthoptera: Acrididae]	<i>Ortholeptura valida</i> 5997
[Hemiptera: Miridae]	Unknown species 4580 4622	<i>Plectrodera scalator</i> 7160 7161 7165
<i>Adelphocoris</i> 1195 1196 1197 1198	Beauveria bassiana	<i>Psacotheta hilaris</i> 1041
1199 1200 1201 1202 1203 1204	[Acari: Ixodidae]	<i>Tetropium fuscum</i> 11660
1205 1206 1207 1208 1209 1210	Unknown species 6967	[Coleoptera: Chrysomelidae]
1211 1213 1214 1215 1216 1218	<i>Ixodes scapularis</i> 6897	Unknown species 504 1971 7244 7247
1219 1220 1221 1222 1224	[Acari: Varroidae]	7271 7272 8835 8836 10350 11844
[Hemiptera: Scutelleridae]	<i>Varroa destructor</i> 8255	<i>Cerotoma</i> 951 1458 1467
<i>Eurygaster</i> 5686	[Araneida]	<i>Cerotoma arcuata</i> 731 732 756 931 934
[Hymenoptera: Apidae]	Unknown species 9446	2075
<i>Apis mellifera</i> 7589	[Araneida: Araneae]	<i>Crimissa</i> 786 788 805
[Hymenoptera: Formicidae]	Unknown species 5172 5173 6690	<i>Crimissa cruralis</i> 4001
Unknown species 11743 11744 11745	[Artiodactyla: Bovidae]	<i>Diabrotica</i> 721 946 947 948 949 950
11746 11747	<i>Ovis aries</i> 7770	956 982 2512 2938 2942 3219 3287
<i>Formica rufa</i> 7597	[Coleoptera]	<i>Diabrotica balteata</i> 3309
<i>Solenopsis invicta</i> 3859	Unknown species 293 301 350 754 1980	<i>Diabrotica barberi</i> 2579
[Lepidoptera]	3197 3198 3199 4382 5979 6559	<i>Diabrotica paranaensis</i> 739 752 758
Unknown species 2998 5832 7579 7586	6560 6692 6693 6695 6696 6697	809 937 938
7587 7594 7598 9596 11709	7164 7470 7972 9444 10347	<i>Diabrotica speciosa</i> 928 958 1060 1453
[Lepidoptera: Arctiidae]	[Coleoptera: Anthribidae]	1454 1455 1456 1459 1460 1461
<i>Hyphantria cunea</i> 12168 12169	<i>Araecerus fasciculatus</i> 413	1462 1463 1464 1465 1466 1469
[Lepidoptera: Bombycidae]	[Coleoptera: Bruchidae]	1470 1471 1472 1473 1475 1476
<i>Bombyx mori</i> 1040	<i>Caryedon serratus</i> 1186	1954 1961 2511 2515 2520 2625
[Lepidoptera: Noctuidae]	[Coleoptera: Buprestidae]	2626 8373
<i>Mocis</i> 590	Unknown species 6499	<i>Diabrotica undecimpunctata</i> 201
<i>Spodoptera frugiperda</i> 3289	<i>Agrius planipennis</i> 8771 8772 8773	<i>Diabrotica virgifera</i> 2330 3111
[Lepidoptera: Pyralidae]	8774 10393 10394 10395 10396	<i>Diabrotica virgifera virgifera</i> 9297
<i>Chilo infuscatellus</i> 1886	10397 10398 10399 10400 10401	9298 9299 9300 9301 9302
<i>Galleria mellonella</i> 5078 7562 7563	10402 10403 10404 10405 10406	<i>Galerucella</i> sp. 5465
7564 7565 7566 7567 7960 8675	10407 10408 10409 10410 10411	<i>Galerucina</i> 2463
12456 12457 12458 12459	10412 10413 10414 10415 10416	<i>Leptinotarsa decemlineata</i> 33 149 252
[Lepidoptera: Tortricidae]	10417 10418 10419 10420 10421	317 340 344 353 384 505 506 507
<i>Cydia pomonella</i> 6533 6534 6535 6536	10422 10423 10424 10425 10426	509 510 534 535 1039 1079 1081
6537	10427 10428 10429 10430 10431	1106 1619 1620 1621 1622 1623
[Orthoptera: Acrididae]	10432 10433 10434 10435 10436	1624 1704 1705 1706 1707 1708
Unknown species 32 4197	10437 10438 10439 10440 10441	1709 1710 1711 1712 1713 1721
	10442 10443 10444 10445 10446	1722 1723 1749 1750 1755 1776
	10447 10448 10449 10450 10451	1777 1778 1779 1780 1781 1982
	10452 10453 10454 10455 10456	2030 2031 2032 2695 2987 2988
		2989 2990 2991 5286 5533 5534

5535 5536 5537 5807 5813 6986	<i>Rhynchites aequatus</i> 8037	6527 6528 6529 6530 6531 6532
6987 6988 8998 9441	<i>Rhynchites baccus</i> 8668	7758 10471 12573 12574 12575
<i>Lilioceris lili</i> 5195	<i>Rhynchophorus ferrugineus</i> 6903	12576 12577 12578 12579 12580
<i>Maecolaspis monrosi</i> 2509	<i>Sitona</i> 1647 8077	12581 12582 12583 12584 12585
<i>Notonata</i> 3437 3438 3439 3441 3442	<i>Sitona discoideus</i> 816 1153 1154 1155	12586 12587 12588 12589 12590
3444 3446 3447 3450 3451 3452	1163 1164 1171 1172 1173 1174	12591 12592 12593 12594 12595
3455	1175 1176 1177 1178 1179 1180	12596 12597 12598 12599 12600
<i>Odontota dorsalis</i> 5553	1181 1183 1185 1188 1189 1190	12601 12602 12603 12604 12605
<i>Pyrrhalta luteola</i> 1509 1510 1511 1518	1191 1309 1311 1312 1313 1811	12606 12607 12608 12609 12610
1519	1815 1816 1817 1818 1819 1820	12611 12612 12613 12614 12615
<i>Pyrrhalta viburni</i> 9449	1821	12616 12617 12618 12619 12805
<i>Systenena</i> 2079	<i>Sitona humeralis</i> 1491	12806 12807 12808 12809 12810
<i>Xanthogaleruca luteola</i> 5501	<i>Sitona lineatus</i> 1156 1157 1158 1159	12811 12812 12813 12814 12815
[Coleoptera: Chrysomelidae: Hispinae]	1160 1161 1162 1165 1167 1168	12816 12821 12891 12892 12893
Unknown species 8494	1169 1170 1182 1192 1193 1194	12894
[Coleoptera: Coccinellidae]	1306 4013 4015 4016 4019 4021	<i>Ips stenographus</i> 6900
Unknown species 6055 6061 6062 6063	4041	<i>Ips typographus</i> 7525 7526 12957 12958
6074 6075 6092 6095 6111 6112	<i>Sitophilus</i> 7764 7773 7774	12960 12961 12962 12964 12965
11878	<i>Sternechus subsignatus</i> 1450	12966 12967 12968 12970 12971
<i>Coccinella</i> 2033 2034	[Coleoptera: Curculionidae: Apioninae]	12973 12974 12975 12977 12978
<i>Coccinella septempunctata</i> 2580 3534	<i>Cylas formicarius elegantulus</i> 5981	12979 12980
4018	5982	<i>Tomiscus minor</i> 5071
<i>Coleomegilla maculata</i> 1956	[Coleoptera: Curculionidae: Scolytinae]	[Coleoptera: Staphylinidae]
<i>Cycloneda sanguinea</i> 2010 8372 8462	<i>Xylosandrus compactus</i> 12620	Unknown species 3112 4055
8463	[Coleoptera: Elateridae]	<i>Anotylus rugosus</i> 4051 4056
<i>Hippodamia convergens</i> 4973 4974	Unknown species 150 784 804 5670	<i>Anotylus</i> sp. 4046
4975	[Coleoptera: Lagriidae]	<i>Gyrohyppnus angustatus</i> 4054
[Coleoptera: Cucujidae: Silvaninae]	<i>Lagria vilosa</i> 2961	<i>Tachyporus</i> sp. 4028
<i>Ahasverus advena</i> 5857	[Coleoptera: Lampyridae]	[Coleoptera: Tenebrionidae]
[Coleoptera: Curculionidae]	<i>Cratomorphus diaphanus</i> 8464	Unknown species 757 783 787 6057
Unknown species 930 1061 2040 3667	[Coleoptera: Languridae]	6064 6077 6078 6096 6113 6478
4052 6216 6217 7202 7466 7471	Unknown species 3457	6483
7769 7978 8520 8521 8522 8523	[Coleoptera: Nitidulidae]	<i>Alphitobius diaperinus</i> 5836 5838 5839
8524 8525 8526 8530 8705	Unknown species 325	5840 5843 7941
<i>Anthonomus grandis</i> 1966 2559 2638	[Coleoptera: Pythidae]	<i>Pterohelaeus darlingensis</i> 8065
2639 2945 2946 3097 7795	<i>Pytho</i> 1854	<i>Tenebrio molitor</i> 5623 8038
<i>Anthonomus musculus</i> 3037	[Coleoptera: Rhizophagidae]	[Coleoptera: Adephaga]
<i>Apion</i> 4023	<i>Rhizophagus grandis</i> 1848	Unknown species 5672
<i>Aracanthus</i> 753	[Coleoptera: Scarabaeidae]	[Collembola: Sminthuridae]
<i>Ceutorhynchus litura</i> 3403	Unknown species 6058 6686 7264	<i>Sminthurus viridis</i> 5853
<i>Chalcodermus</i> 941 942 943 953	<i>Adoryphorus coulonii</i> 4135 4136	[Dermaptera]
<i>Chalcodermus aeneus</i> 336 337 733 734	<i>Anognatha scarabaeoides</i> 2249 2250	Unknown species 796 5495 5496 5991
735 736 738	<i>Anomala cuprea</i> 1683	7252
<i>Conotrachelus nenuphar</i> 1016 8260	<i>Anoplognathus</i> 8763	[Dermaptera: Forficulidae]
8261 8262 8263	<i>Aphodius tasmaniae</i> 8079	<i>Doru lineare</i> 8374 8465
<i>Cosmopolites</i> 1833	<i>Pachnoda interrupta</i> 6669 6676 6681	<i>Forficula africana</i> 5650 5651 5652
<i>Cosmopolites sordidus</i> 1483 4798 4799	<i>Phyllophaga</i> 5740 5741 5742 5743 5744	<i>Forficula auricularia</i> 3018
<i>Curculio caryae</i> 2676	5745	[Dictyoptera: Mantidae]
<i>Cyrtopistomus castaneus</i> 2270	<i>Popillia japonica</i> 3716 3717 5148 5150	Unknown species 7236 7238
<i>Diaprepes abbreviata</i> 412 416 433	<i>Rhopaea magnicornis</i> 4130 7813 8853	[Diptera]
<i>Geraeus senilis</i> 3310 3311	8854	Unknown species 1962 2454 7269 8707
<i>Heilipodus erythropus</i> 8461	<i>Sericesthis nigrolineata</i> 7853	8712 10141 10149
<i>Hypera postica</i> 1389 1398 1399 1515	[Coleoptera: Scolytidae]	[Diptera: Anthomyiidae]
4038 4049	Unknown species 1566 3040	<i>Delia antiqua</i> 1864 1865 1866
<i>Listronotus oregonensis</i> 2983 2984	<i>Dendroctonus ponderosae</i> 1849 1853	<i>Delia radicum</i> 1151 4012 6553 6555
2985 2986	<i>Dryocoetes confusus</i> 1852 9184	6563 6564 6568
<i>Metamasius</i> 842	<i>Hypothenemus hampei</i> 1480 2685 2686	<i>Pegoplatia aestiva</i> 8031
<i>Metamasius callizona</i> 5986	2687 2688 2689 2690 2691 2692	[Diptera: Calliphoridae]
<i>Metamasius hemipterus</i> 2642	2693 3440 3443 3445 3448 3453	<i>Calliphora</i> 1630
<i>Oryzophagus oryzae</i> 3098	3818 3819 5436 5437 5438 5439	[Diptera: Ephydriidae]
<i>Otiorhynchus ligustici</i> 6884 6885	5440 5441 5442 5443 5444 5445	Unknown species 6567
<i>Otiorhynchus sulcatus</i> 815 1073 1074	5446 5447 5448 5449 5450 5451	<i>Scatella tenuicosta</i> 8245 8246 8247
1075 6552 7763 8078	5452 5453 5454 5455 5456 5457	[Diptera: Muscidae]
<i>Phlyctinus callosus</i> 8756 8757	5458 5459 5460 5477 5478 5479	Unknown species 1955 10142 11845
<i>Premnotrypes latithorax</i> 5983 5984	5480 5481 5482 5483 5484 5485	<i>Haematobia irritans</i> 5862 5864 5865
<i>Premnotrypes vorax</i> 2248	5486 5487 5488 5489 5490 6526	5866

<i>Musca autumnalis</i> 1514	[Hemiptera: Coccidae]	[Hemiptera: Scutelleridae]
<i>Musca domestica</i> 2953 5339 5340 5341	Unknown species 6723	<i>Eurygaster</i> 5665 5674 5725 5753 5762
5342 5343 5344 5345 5346 5347	[Hemiptera: Coreidae]	6008 6009 6011 6013 6014 6016
5861 5863 7049 7940	<i>Leptoglossus fulvicornis</i> 3086	6019 6039 6040 6041 6042 6056
[Diptera: Psychodidae]	[Hemiptera: Delphacidae]	6060 6065 6066 6067 6069 6070
<i>Phlebotomus papatasi</i> 2972	<i>Nilaparvata lugens</i> 654 679 709 714	6072 6073 6076 6079 6083 6086
[Diptera: Sciaridae]	717 719 2427 7592	6087 6088 6089 6090 6091 6115
Unknown species 6566	[Hemiptera: Lygaeidae]	6149 8932 10348 10349 10351
[Diptera: Tachinidae]	Unknown species 8706	10352 10353 10354 10355 10356
Unknown species 1150	<i>Blissus leucopterus</i> 792 2430	10357 10358 10359 10361 10362
[Diptera: Tipulidae]	<i>Scolopostethus affinis</i> 8027	11618 11619 11620
<i>Tipula paludosa</i> 6565	[Hemiptera: Membracidae]	[Hemiptera: Tingidae]
[Hemiptera]	Unknown species 3312 3999	<i>Corythucha ciliata</i> 812
Unknown species 5978 7583	<i>Kronides</i> 7468	<i>Leptopharsa heveae</i> 7984 8637 8638
[Hemiptera: Adelgidae]	<i>Spissistilus festinus</i> 8318	[Heteroptera]
<i>Adelges tsugae</i> 5170 5171 5767 5768	[Hemiptera: Mesoveliidae]	Unknown species 4057
5769 5770 5796 6027	<i>Mesovelia mulsanti</i> 320	[Heteroptera: Miridae]
[Hemiptera: Aleyrodidae]	[Hemiptera: Miridae]	Unknown species 4035
<i>Bemisia tabaci</i> 4981 4982 4983 4984	Unknown species 3449 3454 3456	<i>Lygus</i> sp. 4053
5274 5275 5276 5277 5278 5279	<i>Adelphocoris</i> 1516 1517 1523 1524	[Hymenoptera]
5280 5281 5282 5283 5284 5285	1525 1526 1527 1528 1529 1531	Unknown species 7239 7254 7257 7259
5287 5288 5289 5290 5291 5292	1533 1534 1535 1536 1537 1538	7265
5293 5294 5295 5296	1539 1540 1635 1636 1637 1638	[Hymenoptera: ?Megachilidae]
<i>Trialeurodes vaporariorum</i> 6920 6921	1640 1643 1650 1789 1790 1791	Unknown species 957
6922 6923 6924 9451	1792 1793 1794 1795 1796 1797	[Hymenoptera: Superfamily Apoidea]
[Hemiptera: Anthocoridae]	1798 1799 1800 1801	Unknown species 1468
<i>Anthocoris nemorum</i> 8028	<i>Leptopterna dolabrata</i> 8036	[Hymenoptera: Apidae]
[Hemiptera: Aphididae]	<i>Liocoris tripustulatus</i> 8025	<i>Apis mellifera</i> 5989 7596 9447
Unknown species 3120 4523 4524	<i>Lygus</i> 886 1394 1395 1396 1397 1404	<i>Bombus</i> 7201
<i>Aphis gossypii</i> 5493 5494	1405 1406 1407 1408 1409 1410	[Hymenoptera: Apoidea]
<i>Diuraphis noxia</i> 2861 2864 2879 2882	1411 1412 1413 1414 1520 1521	Unknown species 9595
3154 3155 3156 3157 3158 3166	1648 1649 1802 1803 1804 1805	[Hymenoptera: Cephidae]
3167 3168 3169 3215 3867 3890	1806 1807 1808 1809 1810 1812	<i>Cephus</i> 6793 6794 6795
3891 3892 3905 3906 3907 3908	1813 1814 1822 2318 2319 2320	[Hymenoptera: Diprionidae]
4099 4100 4101 4106 4107 4108	2321 2322 2458 2462	<i>Diprion pini</i> 338
4109 4110 4111 4112 4113 4114	<i>Lygus ?lineolaris</i> 1317 1318 1319 1320	[Hymenoptera: Eurytomidae]
4115 4116 4117 4118 4119 4120	1321 1322 1323 1324 1325	<i>Bephratelloides cubensis</i> 2869
4121 4462 4463 4464 4691 4692	<i>Lygus hesperus</i> 6660 6661	[Hymenoptera: Formicidae]
4693 4694 4695 4696 4697 4976	<i>Lygus lineolaris</i> 3769 5808 8317 8889	Unknown species 1960 2487 5069 7260
4977 4978 4979 5705 6968 6969	<i>Lygus pratensis</i> 2461	12023 12024 12025 12026
6978 6979 6980	<i>Notostira elongata</i> 8029 8030	<i>Atta</i> 1831 3285
<i>Myzus persicae</i> 3385	<i>Stenodema laevigatum</i> 8026	<i>Atta mexicana</i> 2484 2485 2486
<i>Rhopalosiphum padi</i> 6970	[Hemiptera: Nabidae]	<i>Myrmica rubra</i> 7533 7534
<i>Schizaphis graminum</i> 2336 2860 2880	<i>Nabis</i> 1988	<i>Pogonomyrmex occidentalis</i> 7540 7541
2881 2883	[Hemiptera: Pentatomidae]	<i>Solenopsis</i> 2722 2723
[Hemiptera: Cercopidae]	Unknown species 737 944 1973 1974	<i>Solenopsis invicta</i> 2401 2402 2403
<i>Deois flavopicta</i> 806 3019	1984 6722	2404 5956 5957 5960 5961 5962
<i>Zulia carbonaria</i> 6459	<i>Acanthosoma labiduroides</i> 7240 7246	5967 5973 5974
<i>Zulia entreriana</i> 477	7273	<i>Solenopsis quinquecuspis</i> 5966 5968
[Hemiptera: Cicadellidae]	<i>Aelia</i> 6093	<i>Solenopsis saevissima</i> 5958 5963 5965
Unknown species 945 7590 8710 8711	<i>Dolycorus</i> 6404 6426	5969
9443	<i>Euschistus heros</i> 1478	<i>Solenopsis xyloni</i> 5970 5971 5972
<i>Balacha melanocephala</i> 7464 7465	<i>Nezara viridula</i> 1054 1474 2011 2457	[Hymenoptera: Formicidae: Myrmicinae]
7467 7469 8370 8459 8460 8528	2516 4092 4093	Unknown species 1976 1977 1978 1979
8529	<i>Oebalus poecilus</i> 2191	[Hymenoptera: Ichneumonidae]
<i>Molopterus theae</i> 6982	<i>Podisus</i> 1457 2519	Unknown species 9448
<i>Nephotettix bipunctata cincticeps</i> 708	<i>Tibraca limbativentres</i> 933 4091	[Hymenoptera: Megachilidae]
1553 1554 1555 1556	[Hemiptera: Pseudococcidae]	Unknown species 7377 7378
<i>Nephotettix cincticeps</i> 1098	<i>Rhizoecus</i> 2236	[Hymenoptera: Pamphiliidae]
<i>Pawiloma victima</i> 8371	[Hemiptera: Reduviidae]	Unknown species 7519 7520 7521
[Hemiptera: Cicadidae]	<i>Triatoma infestans</i> 7147	<i>Pamphilius betulae</i> 154
Unknown species 2544 7256 7258	[Hemiptera: Rhopalidae]	[Hymenoptera: Pergidae]
11712	<i>Leptocoris</i> 560 566	<i>Lophyrotoma zonalis</i> 8753
[Hemiptera: Cixiidae]	<i>Leptocoris oratorius</i> 1269 1270	[Hymenoptera: Siridae]
<i>Oliarus dimidiatus</i> 7776		<i>Sirex noctilio</i> 12249

- [Hymenoptera: subord. Symphyta]
Unknown species 5985
- [Hymenoptera: Vespidae]
Unknown species 730 1953 2943 2944
Polistes 6513
- [Isoptera: Rhinotermitidae]
Coptotermes formosanus 6906 6907 6908
Reticulitermes flavipes 3041
- [Lepidoptera]
Unknown species 2633 2637 2857 6109
6557 7274 7585 7593 8709 9445
11708 11715 11716 11717 11719
- [Lepidoptera: Arctiidae]
Hyphantria cunea 1564 12165
- [Lepidoptera: Bombycidae]
Bombyx mori 302 303 304 305 718
1007 2737 5704
- [Lepidoptera: Brassolidae]
Brassolis sophorea 2619 6514
- [Lepidoptera: Cossidae]
Cossula cossus 1103 1104 1558
Zeuzera pyrina 1105
- [Lepidoptera: Danaidae]
Danaus plexippus 7093 8891
- [Lepidoptera: Eupterotidae]
Unknown species 6984
- [Lepidoptera: Geometridae]
Isturgia exerrariae 6973
- [Lepidoptera: Hepialidae]
Oncopera alboguttata 4589 4607 8493
Oncopera intricata 4258 4672
- [Lepidoptera: Hyblaeidae]
Hyblaea puer 2597
- [Lepidoptera: Incurvariidae]
Paraclemensia 11614 11615 11616
11617
Paraclemensia acerifoliella 5492
- [Lepidoptera: Lasiocampidae]
Dendrolimus spectabilis 1677
Malacosoma americanum 1
- [Lepidoptera: Lymantriidae]
Lymantria dispar 155 2054 2267 2570
2571 2572 2573 2831 3404 3527
3530 6205
Lymantria dissoluta 6233
- [Lepidoptera: Lyonetiidae]
Leucoptera coffeella 6801 6802 6803
6804 6805 6806 6807 6808 6809
Leucoptera scitella 1115 1117
- [Lepidoptera: Noctuidae]
Unknown species 1627 1628 1629
Autographa gamma 2253 2254
Helicoverpa 8066
Helicoverpa armigera 1149 1166
Helicoverpa virescens 1314 1315 1316
1788
Panolis flammea 6100 6101 6177 6178
Sesamia calamistis 5649 5654
Sesamia cretica 1118
Simyra henrici 5988
Spodoptera frugiperda 3288
Spodoptera littoralis 1512 1513 3286
Spodoptera litura 6643 6644 6646 6647
6648 6650
- [Lepidoptera: Noctuidae: Plusiinae]
Unknown species 3937
- [Lepidoptera: Olethreutidae]
Carpocapsa pomonella 503
- [Lepidoptera: Phycitinae]
Emmalocera depressella 2417
- [Lepidoptera: Plutellidae]
Plutella xylostella 2727 2728 2729 4525
4526 4527 4528 4529 4530 4531
4532 4533 4534 4535 4536 4537
4538 4539 4540 4543 6150 6151
6152 6153 12822
- [Lepidoptera: Pyralidae]
Acigona sp. 5647 5648
Chilo plejadellus 326
Cnaphalocrocis medinalis 2041
Coniesta sp. 5646
Diatraea saccharalis 1484 1832 1834
2629 3020 3858 5500 5502
Dioryctria sylvestrella 1001
Eldana saccharina 5645 5653 5655
Galleria mellonella 1113 1114 5510
6147 6148 6556 6894 6904 6905
6931 6932 6933 6934 6935 6936
6937 6938 6939 6940 6941 6943
6949 6950 6951 6952 6953 7060
7356 7357 7358 7359 7362 7364
7365 7552 7553 7554 7955 7956
7957 7958 7959 7963 7964 7965
7966 7968 8032 8033 8035 8039
8040 8339 8340 8343 8349 8354
8355 8431 8444 8661 8663 8664
8666 8667 8670 8672 8673 8674
11613
Gymnancyla canella 6796
Ostrinia nubilalis 501 502 533 652
1038 1121 2976
Terastia meticulosalis 1836
- [Lepidoptera: Saturniidae]
Unknown species 843
Opodiphthera eucalypti 8843
Schirius 2962
- [Lepidoptera: Sesiidae]
Monopetalotaxis doleriformis 6974
6975 6976 6977 6981
- [Lepidoptera: Stenomatinae]
Stenoma decora 1479
- [Lepidoptera: Thaumetopoeidae]
Thaumetopoea pityocampa 8356
- [Lepidoptera: Tortricidae]
Unknown species 5169
Choristoneura 1850
Cydia pomonella 151 1122 3972 3973
3974 3975 3977 3978 3979 5064
5066 5067 5229 5230 5231 5233
5234 5235 5886 5887 5888 6182
6184 6186 6187 6189 6191 6194
6195 6196 6201 6208 6209 7969
Hedya nubiferana 6199
Lobesia botrana 1107 1110
Rhyacionia frustrana 5573
- [Lepidoptera: Yponomeutidae]
Yponomeutidae 3966 3967 3968 3969
3970
- [Neuroptera: Chrysopidae]
Chrysopa 153
- [Odonata: Coenagrionidae]
Unknown species 11711
- [Odonata: suborder Anisoptera]
Unknown species 4688
- [Orthoptera]
Unknown species 3622 6231 8704 9598
- [Orthoptera: Acrididae]
Unknown species 356 357 1053 1326
1959 5737 5738 6230 6232 7030
7235 7250 8578 8579 8695 11713
11720
Aulocara ellioti 12207 12213 12214
12232 12233 12234 12235 12236
Austracris guttulosa 8751 8752
Locusta migratoria 8846
Melanoplus 3620 3866 3897 5273 12209
12221 12223 12224 12225
Melanoplus bivittatus 8213 12196
12200
Melanoplus confusus 12208 12210
12211 12218
Melanoplus dawsonii 12220 12230
12237 12238
Melanoplus femurrubrum 12204
Melanoplus infantilis 12231
Melanoplus sanguinipes 12197 12198
12199 12201 12202 12203 12205
12206 12212 12215 12216 12217
12222 12226 12227 12228 12229
12239
Oxyops vitiosa 5987
Phoetaliotes nebrascensis 12219
Rhammatocerus schistocercoides 7983
Schistocerca gregaria 5633 5634 5635
5636 5637 5638 5639 5640 5641
5642 5643
- [Orthoptera: Catantopidae]
Calliptamus italicus 8694 8697
- [Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11688
Scapteriscus vicinus 5977
- [Orthoptera: Tettigoniidae]
Anabrus simplex 7379 7380
- [Orthoptera: Tettigoniioidea]
Unknown species 6234
- [Perissodactyla: Equidae]
Equus ferus caballus 7771 7772
- [Primates: Hominidae]
Homo sapiens 8601 8602
- [Thysanoptera: Phlaeothripidae]
Haplothrips tritici 4200
- [Thysanoptera: Thripidae]
Unknown species 9927 11841 11846
11847 11848
Frankliniella occidentalis 3995 3996
9587 9588
Taeniothrips inconsequens 10138
10139 10140 10143 10144 10145
10147 10148
- Beauveria bassiana sensu lato**
- [Coleoptera: Curculionidae]
Hypera postica 12434 12435 12436
12437 12439 12440 12441 12442
12443 12444 12445 12446 12447
12448 12449 12450 12451 12517
12518 12519 12520 12521 12522

[Coleoptera: Scolytidae]	12401 12405 12526 12527 12528 12535	<i>Melolontha melolontha</i> 617 979 1067 1068 1069 1070 1071 1072 1076 1077 7528
<i>Hypothenemus hampei</i> 12982 12983		
12984 12985 12986 12987 12988		
12989 12990 12991 12992 12993		
12994 12995 12996 12997 12998		<i>Popillia japonica</i> 4389 4458 4992 4993 4994 4995
12999 13000 13001 13002 13003		[Coleoptera: Scolytidae]
13004 13005 13006 13007 13008		<i>Ips typographus</i> 4024
13009 13010 13011 13012 13013		[Hemiptera: Cicadellidae]
13014 13015 13016 13017 13018		<i>Nephotettix bipunctata cincticeps</i> 678
13019 13020 13046 13047 13048		[Hemiptera: Cicadidae]
13049 13050 13051 13052 13053		<i>Magicicada septendecim</i> 7376
13054 13055 13056 13057 13058		[Hemiptera: Scutelleridae]
13059 13060 13061 13062 13063		<i>Eurygaster</i> 6023
13064 13065 13066 13067 13068		[Hymenoptera: Formicidae]
13069 13070 13071 13072 13073		<i>Myrmica rubra</i> 7058
13074 13075 13076 13077 13078		[Lepidoptera: Castniidae]
13079 13080 13081 13082 13083		<i>Castnia licus</i> 1829
13084 13085 13086 13087 13089		[Lepidoptera: Noctuidae]
13090 13091 13092 13093 13094		Unknown species 9599
[Hymenoptera: Cephidae]		[Lepidoptera: Pyralidae]
<i>Cephus cinctus</i> 12462 12463 12464		<i>Diatraea saccharalis</i> 1830
12465 12467 12468 12469 12470		<i>Galleria mellonella</i> 7555 7556 7557 7558 7559 7560 7561 8034
12471 12472 12473 12474 12475		
12476 12477 12478 12479 12480		
12482 12484 12485 12486 12487		
12488 12489 12490 12491 12492		
12493 12494 12495 12496 12497		
12498 12499 12500 12501 12502		
12503 12504 12505 12506 12507		
12508 12509 12510 12512 12514		
12515 12525 12920 12921 12922		
12923 12924 12925 12926 12927		
12928 12929 12930 12931 12932		
12933 12934 12935 12936 12937		
12938 12939 12940 12942 12943		
12944 12945 12946 12947 12948		
12949 12950 12951 12952 12953		
12954 12955 12956		
[Orthoptera: Acrididae]		
<i>Ageneotettix deorum</i> 12425 12432		
<i>Aulocara ellioti</i> 12253 12263 12269		
12274 12275 12276 12277 12278		
12279 12284 12287 12288 12289		
12290 12291 12293 12294 12295		
12296 12299 12301 12302 12305		
12306 12307 12309 12323 12336		
<i>Aulocara femoratum</i> 12262 12266		
12280 12281 12530		
<i>Camnula pellucida</i> 12285		
<i>Hadrotettix</i> 12283		
<i>Melanoplus</i> 12297 12419 12420 12421 12426 12427 12428		
<i>Melanoplus bivittatus</i> 12252 12254 12255 12258 12265 12268 12271 12308 12332 12356 12357 12358 12359 12367 12369 12370 12376 12379 12380 12389 12397 12403 12415 12416 12418 12423 12431 12572		
<i>Melanoplus confusus</i> 12264 12282 12298 12303 12304 12312 12334 12372 12391 12406 12529		
<i>Melanoplus femurrubrum</i> 12261 12267 12270 12292 12324 12325 12327 12331 12366 12373 12374 12387 12392 12393 12398 12399 12400		
	12401 12405 12526 12527 12528 12535	
	<i>Melanoplus infantilis</i> 12411	
	<i>Melanoplus sanguinipes</i> 12256 12257 12259 12260 12272 12273 12286 12300 12310 12311 12313 12314 12315 12316 12317 12318 12319 12320 12321 12322 12326 12328 12329 12330 12333 12335 12337 12360 12361 12362 12363 12364 12365 12368 12371 12375 12377 12378 12381 12382 12383 12384 12385 12386 12388 12390 12394 12395 12402 12407 12417 12422 12430 12533 12534	
	Beauveria bassiana sensu stricto	
	[Coleoptera: Chrysomelidae]	
	Unknown species 751	
	[Hemiptera: Lygaeidae]	
	<i>Nysius vinitor</i> 300	
	[Hymenoptera: Pamphiliidae]	
	Unknown species 7518	
	Beauveria bassiana(?)	
	[Chelonia: Emydidae]	
	<i>Trachemys scripta</i> 5990	
	[Coleoptera: Chrysomelidae]	
	Unknown species 6890 6891	
	[Coleoptera: Scolytidae]	
	<i>Dendroctonus micans</i> 9271	
	[Hemiptera: Adelgidae]	
	<i>Adelges tsugae</i> 5815 5816 5817 5818	
	[Hemiptera: Aphididae]	
	<i>Diuraphis noxia</i> 6608	
	[Hemiptera: Scutelleridae]	
	<i>Eurygaster</i> 5684	
	[Hymenoptera: Formicidae]	
	<i>Solenopsis invicta</i> 5959	
	[Lepidoptera: Pyralidae]	
	<i>Eldana saccharina</i> 5644	
	<i>Galleria mellonella</i> 6892	
	Beauveria brongniartii	
	[Coleoptera]	
	Unknown species 2660	
	[Coleoptera: Carabidae]	
	Unknown species 7268	
	[Coleoptera: Cerambycidae]	
	<i>Anoplophora malasiaca</i> 6235 6412	
	<i>Niphonoclea</i> 1431	
	[Coleoptera: Curculionidae]	
	<i>Barypeithes pellucida</i> 6213 6214 6215	
	<i>Cyrtepistomus castaneus</i> 2271	
	[Coleoptera: Elateridae]	
	Unknown species 9452	
	[Coleoptera: Scarabaeidae]	
	Unknown species 4380 4381	
	<i>Anomala costata</i> 985	
	<i>Costelytra zealandica</i> 3054 7761	
	<i>Holotrichia parallela</i> 4385 4386 4388 4465 4466 4467 4468 4469 4470 4471 4472 4473 4475 4476 4477 4478	
	<i>Melolontha</i> 5355 5356 5357 5358 5359 5360 5361 5362 5363 5364	
		<i>Melolontha melolontha</i> 617 979 1067 1068 1069 1070 1071 1072 1076 1077 7528
		<i>Popillia japonica</i> 4389 4458 4992 4993 4994 4995
		[Coleoptera: Scolytidae]
		<i>Ips typographus</i> 4024
		[Hemiptera: Cicadellidae]
		<i>Nephotettix bipunctata cincticeps</i> 678
		[Hemiptera: Cicadidae]
		<i>Magicicada septendecim</i> 7376
		[Hemiptera: Scutelleridae]
		<i>Eurygaster</i> 6023
		[Hymenoptera: Formicidae]
		<i>Myrmica rubra</i> 7058
		[Lepidoptera: Castniidae]
		<i>Castnia licus</i> 1829
		[Lepidoptera: Noctuidae]
		Unknown species 9599
		[Lepidoptera: Pyralidae]
		<i>Diatraea saccharalis</i> 1830
		<i>Galleria mellonella</i> 7555 7556 7557 7558 7559 7560 7561 8034
		Beauveria caledonica
		[Coleoptera]
		Unknown species 2251
		[Coleoptera: Scarabaeidae]
		<i>Amphimallon solstitiale</i> 8024
		[Coleoptera: Scolytidae]
		Unknown species 1567
		<i>Ips typographus</i> 12963 12969 12972
		[Orthoptera: Gryllacrididae]
		Unknown species 7117
		Beauveria hoplocheli
		[Coleoptera: Melolonthidae]
		<i>Hoplochelus marginalis</i> 13021
		Beauveria kipukae
		[Hemiptera: Delphacidae]
		Unknown species 7032
		Beauveria lii
		[Coleoptera: Coccinellidae]
		<i>Henosepilachna vigintioctopunctata</i> 11741
		Beauveria malawiensis
		[Coleoptera: Cerambycidae]
		<i>Phoracantha semipunctata</i> 7760
		Beauveria pseudobassiana
		[Acari: Ixodidae]
		<i>Ixodes scapularis</i> 8045 8046
		[Acari: Varroidae]
		<i>Varroa destructor</i> 8254 8256 8258
		[Coleoptera]
		Unknown species 5668
		[Coleoptera: Anthicidae]
		<i>Anthicus floralis</i> 157
		[Coleoptera: Cerambycidae]
		Unknown species 2557
		[Coleoptera: Chrysomelidae]
		<i>Paropsis charybdis</i> 3066
		[Coleoptera: Coccinellidae]
		Unknown species 5678

Host by Fungus

- [Coleoptera: Curculionidae]
Otiorhynchus sulcatus 813 814 3065
Sitona 3063
- [Coleoptera: Scarabaeidae]
Unknown species 5669
Adoryphorus coultonii 4274 4721
Aphodius tasmaniae 3070
Costelytra zealandica 3055
- [Coleoptera: Scolytidae]
Ips 1855
Ips typographus 12959 12976 12981
Tomicus minor 4933 5070
- [Coleoptera: Scolytidae (Tribe Ipini)]
Unknown species 6229
- [Coleoptera: Tenebrionidae]
Tribolium castaneum 5622
- [Crocodylia: Alligatoridae]
Alligator mississippiensis 2455
- [Diptera: Muscidae]
Haematobia irritans 5867
- [Hemiptera: Aphididae]
Unknown species 3121
Diuraphis noxia 3153
- [Hemiptera: Scutelleridae]
Eurygaster 5724 6015 6022 6043
- [Hymenoptera]
Unknown species 7242
- [Hymenoptera: Cephidae]
Cephus cinctus 12240 12241 12242
12243 12244 12245 12246 12247
12248
- [Hymenoptera: Ichneumonidae]
Unknown species 156
- [Hymenoptera: Pamphiliidae]
Pamphilus betulae 152
- [Hymenoptera: Vespidae]
Vespula vulgaris 2997
- [Lepidoptera: Arctiidae]
Hyphantria cunea 1565
- [Lepidoptera: Geometridae]
Isturgia exerrariae 6972
- [Lepidoptera: Hepialidae]
Oncopera 4273
- [Lepidoptera: Lymantriidae]
Lymantria dispar 299 3405 3528 3529
- [Lepidoptera: Pyralidae]
Galleria mellonella 5370 5557
- [Lepidoptera: Sesiidae]
Monopetalotaxis doleriformis 6971
- [Lepidoptera: Tortricidae]
Cydia pomonella 3220 6181 6185
- [Lepidoptera: Yponomeutidae]
Yponomeutidae 3965
- [Orthoptera: Acrididae]
Phaulacridium vittatum 4150
- [Thysanoptera: Thripidae]
Thrips calcaratus 3216
- Beauveria sungii**
[Coleoptera: Chrysomelidae]
Unknown species 7279 7280
- [Coleoptera: Scarabaeidae]
Unknown species 5689
Lachnosterna morosa 1685
- [Hymenoptera]
Unknown species 7281
- Beauveria varroae**
[Acari: Varroidae]
Varroa destructor 8257 8259
- [Coleoptera: Curculionidae]
Larinus 2694
- Beniowskia sp.**
[Lepidoptera: Plutellidae]
Plutella xylostella 2751
- Calcarisporium arbuscula**
[Agaricales: Tricholomataceae]
Armillaria mellea 6155
- Calcarisporium ovalisporum**
[Hemiptera: Delphacidae]
Nilaparvata lugens 1907
- Candida sp.**
[Coleoptera: Scolytidae]
Hypothenemus hampei 5729
- [Dictyoptera: Blattellidae]
Blattella germanica 1877 1924 1925
1926
- [Dictyoptera: Blattidae]
Periplaneta americana 1857
- Candida cf. pseudoglaebosa**
[Diptera: Culicidae]
Wyeomyia smithii 7146
- Capniomyces stellatus**
[Plecoptera: Capniidae]
Allocapnia granulata 9258
- Catenaria anguillulae**
[Dorylaimida: Longidoridae]
Xiphinema 2015
- Cladosporium sp.**
[Acari: Tetranychidae]
Tetranychus urticae 6442
- [Hemiptera: Aleyrodidae]
Unknown species 3706
- [Hemiptera: Aphididae]
Brevicoryne brassicae 4795
Rhopalosiphum padi 11866
- [Hemiptera: Cicadellidae]
Unknown species 7039
- [Hemiptera: Coccidae]
Unknown species 7035
- [Hymenoptera: Formicidae]
Unknown species 12046
- [Lepidoptera: Lycaenidae: Polyommati-
nae]
Orachrysops ariadne 6226
- Cladosporium cladosporioides**
[Acari: Tetranychidae]
Eotetranychus 3085
Tetranychus urticae 9616
- [Hemiptera: Aphididae]
Pemphigus betae 3463
- [Hemiptera: Pseudococcidae]
Phenacoccus solenopsis 9614
- [Thysanoptera: Thripidae]
Thrips palmi 3375
- Cladosporium cladosporioides(?)**
[Hemiptera: Aphididae]
Unknown species 7033
- Cladosporium herbarum**
[Hemiptera: Aphididae]
Aphis gossypii 4361
- Cladosporium sphaerospermum**
[Coleoptera: Curculionidae]
Diaprepes abbreviata 6516
- Clonostachys rosea**
[Araneida]
Unknown species 9492
- [Coleoptera: Scarabaeidae]
Unknown species 9491
Amphimallon solstitiale 11678 11682
11687
- [Hemiptera: Cicadellidae]
Oncometopia tucumana 7200
Sonesimia grossa 7472
- [Lepidoptera]
Unknown species 9493
- [Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11689 11690
11691 11692 11695 11699 11700
11701 11702
- Coelomycidium simulii**
[Diptera: Simuliidae]
Simulium venustum 218
- Colletotrichum sp.**
[Hemiptera: Coccidae]
Neolecanium cornuparvum 10308
Parthenolecanium 12083
- Colletotrichum fioriniae**
[Hemiptera: Diaspididae]
Fiorinia externa 10219 10220 10221
10222 10223
- Colletotrichum gloeosporioides**
[Hemiptera: Ortheziidae]
Orthezia praelonga 4360
- Conidiobolus sp.**
[Coleoptera: Curculionidae]
Hypera variabilis 80 81
- [Collembola]
Unknown species 11867
- [Diptera: Anthomyiidae]
Unknown species 2494
Delia radicum 2672
- [Diptera: Ptychopteridae]
Ptychoptera contaminata 2498
- [Diptera: Tipulidae]
Tipula paludosa 6424
- [Hemiptera: Adelgidae]
Adelges tsugae 11650
- [Hemiptera: Aphididae]
Unknown species 999 1426
Aphis fabae 3383
Brevicoryne brassicae 2130
Eriosoma lanigerum 6659
Myzus persicae 3384
Schizaphis graminum 1967

[Hemiptera: Cercopidae]
Unknown species 391
Deois 2147
Deois flavopicta 2148
[Hemiptera: Cicadellidae]
Nephotettix bipunctata cincticeps 605
606
[Hemiptera: Cixiidae]
Oliarus dimidiatus 7786
[Hemiptera: Delphacidae]
Nilaparvata lugens 211 517 522 564
595 596
Sogatella furcifera 604
[Hemiptera: Membracidae]
Gargara 5404 5405 5406
[Hymenoptera]
Unknown species 2193
[Hymenoptera: Formicidae]
Solenopsis invicta 2819
[Isopoda: Oniscoidea]
Porcellio 1672
[Lepidoptera: Plutellidae]
Plutella xylostella 2771 2772 2815 2816
3208
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 92 93 94
147 148
[Orthoptera: Tettigoniidae]
Unknown species 1477
[Primates: Hominidae]
Homo sapiens 2928 12338 12543
[Protura]
Unknown species 11763
Conidiobolus coronatus
[Agaricales]
Volvariella volvacea 1147
[Araneida]
Unknown species 567 7010
[Coleoptera: Curculionidae]
Ceutorhynchus napi 1572 1573 1574
1575
[Collembola]
Unknown species 8023
[Dacrymycetales]
Unknown species 3087
[Diptera: Psychodidae]
Lutzomyia 3379
Lutzomyia sordelli 3414 3415
[Diptera: Sciaridae]
Lycoriella ingenua 9940 9941 9942
[Hemiptera: Aphididae]
Acyrtosiphon pisum 1738
Metopolophium dirhodum 2812 2813
2814
[Hemiptera: Cicadellidae]
Unknown species 419 421 422
Empoasca fabae 3099 3109
Nephotettix bipunctata cincticeps 520
597
[Hemiptera: Delphacidae]
Delphacodes haywardii 7203
Nilaparvata lugens 349 405 406 418
511 512 514 523 524 525 528 563
565 655 997 1876
[Hymenoptera: Formicidae]
Unknown species 7011

[Isoptera: Termitidae]
Nasutitermes corniger 8455
[Lepidoptera: Noctuidae]
Mocis latipes 1884
[Lepidoptera: Plutellidae]
Plutella xylostella 2730
[Lepidoptera: Tortricidae]
Epinotia aporema 4797
[Opiliones: Palpatores]
Unknown species 7012 7013
[Perissodactyla: Equidae]
Equus ferus caballus 2715
[Primates: Hominidae]
Homo sapiens 206
[Thysanoptera: Thripidae]
Unknown species 6512 9914
Frankliniella occidentalis 3222

Conidiobolus firmipilleus

[Lepidoptera: Plutellidae]
Plutella xylostella 2731

Conidiobolus lachnodes

[Hemiptera: Delphacidae]
Nilaparvata lugens 700

Conidiobolus lamprauges

[Perissodactyla: Equidae]
Equus ferus caballus 2338

Conidiobolus macrosporus

[Diptera]
Unknown species 12830

Conidiobolus nr. coronatus

[Hemiptera: Delphacidae]
Nilaparvata lugens 598 599 600 1742
1743
Sogatella furcifera 602

Conidiobolus obscurus

[Hemiptera: ?Aphididae]
Unknown species 243
[Hemiptera: Aphididae]
Unknown species 434
Acyrtosiphon kondoi 354 824
Acyrtosiphon pisum 832 834 1741
3132 3133 3134 3135 3137 3138
3139 3141
Aphis 124
Aphis armata 133 355
Macrosiphum euphorbiae 182
Metopolophium dirhodum 97 3092
Rhopalosiphum maidis 3089 3090
Rhopalosiphum padi 1131 5992
Therioaphis maculata 74
Uroleucon 121 122

Conidiobolus osmodes

[Coleoptera: Curculionidae]
Hypera variabilis 79

Conidiobolus osmodes(?)

[Hemiptera: Aphididae]
Rhopalosiphum padi 5993

Conidiobolus pseudapiculatus

[Diptera: Psilidae]
Psila rosae 2493 2496 2497 2502

Conidiobolus thromboides

[Diptera]
Unknown species 86 87
[Diptera: Culicidae]
Culex pipiens pipiens 70
[Diptera: Heliomyzidae]
Unknown species 5
[Hemiptera: Aphididae]
Unknown species 58 59 248 249 250
1006
Acyrtosiphon pisum 100 6662
Aphis fabae 42 242 244 245 246 247
630 631 632 633 634 635 1735
Aphis glycines 7209 7210 7211 11664
Aphis gossypii 83 194
Cavariella theobaldi 101 102 363 1733
1734
Diuraphis noxia 4968
Diuraphis tritici 2914
Macrosiphum euphorbiae 40
Metopolophium dirhodum 2828 2829
2849 2850
Myzus persicae 2 39 41 57 63 99 649
Rhopalosiphum insertum 73
Schizaphis graminum 2955
Therioaphis maculata 15 29 115 208
Uroleucon 120
[Hemiptera: Cicadellidae]
Empoasca fabae 3129
[Orthoptera: Acrididae]
Unknown species 22

Cordyceps sp.

[Coleoptera: Curculionidae]
Sitophilus oryzae 4852
[Coleoptera: Scarabaeidae]
Unknown species 7848
Popillia japonica 3718
[Hemiptera: Cercopidae]
Unknown species 6349
[Hemiptera: Cicadellidae]
Unknown species 6281
[Hemiptera: Pentatomidae]
Unknown species 4846
[Hymenoptera: Apidae]
Unknown species 4851
[Lepidoptera]
Unknown species 7808 7811 9486
[Orthoptera: Acrididae]
Unknown species 4854

Cordyceps bassiana

[Lepidoptera: Cossidae]
Unknown species 7047

Cordyceps brongniartii

[Coleoptera: Scarabaeidae]
Anomala cuprea 7516 7517

Cordyceps cardinalis

[Lepidoptera: Tineidae: Archolophinae]
Unknown species 7192 7193

Cordyceps isarioides

[Lepidoptera]
Unknown species 5688

- Cordyceps militaris**
[Lepidoptera]
Unknown species 4081 4082 4083 4084
4085 4086 4087 4088 4089 4838
4839 4840 4841 4842 4845 5002
5003 5004 5005 5006 5007 5008
5009 5010 5011 5012 5013 5014
5015 5016 5017 5018 5019 5020
5021 5022 5023 5024 5025 5026
5027 5028 5029 5030 5031 5032
5033 5034 5035 5036 5037 5038
5039 5040 5041 5042 5043 5044
5045 5046 5047 5048 5049 5050
5051 5052 5053 5054 5055 5056
5057 5058 5059 5060 5061 5062
6248 7809 7810 8012 9484 11703
11704
[Lepidoptera: Geometridae]
Unknown species 2416
- Cordyceps pruinosa**
[Lepidoptera]
Unknown species 7221 11723 11724
- Cordyceps scarabaeicola**
[Coleoptera: Chrysomelidae]
Unknown species 7277 7278
- Crypticola clavulifera**
[Diptera: Ceratopogonidae]
Forcipomyia marksae 1940
- Culicinomyces bisporalis**
[Diptera: Culicidae]
Aedes kochi 1948 1949
- Culicinomyces clavisporus**
[Diptera: Ceratopogonidae]
Dasyhelea 2478
Forcipomyia marksae 2480 2481
[Diptera: Culicidae]
Unknown species 706 2622
Aedes rupestris 2471 2472 2473 2474
2475 2476 2477
Anopheles amictus hilli 644 645
Anopheles quadrimaculatus 372 582
583 584 585
Culiseta inconspicua 2479
Culiseta inornata 964 1260 2482
- Curvularia sp.**
[Hemiptera: Cercopidae]
Zulia carbonaria 6367
- Cylindrocarpon sp.**
[Hemiptera: Pentatomidae]
Aelia 5758
[Lepidoptera: Pyralidae]
Diatraea saccharalis 8043 8044
- Dactylella sp.**
[Hemiptera: Cercopidae]
Aeneolamia varia 6372
- Doratomyces(?) sp.**
[Hemiptera: Adelgidae]
Adelges tsugae 9367
- Drechslerella dactyloides**
[Tylenchida: Heteroderidae]
Heterodera schachtii 2934
Meloidogyne hapla 4955
- Elaphocordyceps capitata**
[Eurotiales: Elaphomycetaceae]
Elaphomyces 8009
- Elaphocordyceps ophioglossoides**
[Eurotiales: Elaphomycetaceae]
Elaphomyces 4826 4827 4828 4829
4830 4831 4832 4833 4834 4835
4836 4837 8013 9485
- Engyodontium album**
[Araneida]
Unknown species 7712 9454
[Araneida: ?Pholcidae]
Unknown species 6002
- Engyodontium araneorum**
[Araneida: Pholcidae]
Pholcus phalangoides 2929 2935
- Engyodontium rectidentatum**
[Coleoptera: Scarabaeidae]
Unknown species 7805
- Engyodontium(?) sp.**
[Araneida]
Unknown species 9475
[Hemiptera: Psyllidae]
Unknown species 9476
- Entomophaga sp.**
[Hemiptera: Cicadellidae]
Empoasca kraemeri 1230
Nephotettix bipunctata cincticeps 1126
[Hemiptera: Delphacidae]
Nilaparvata lugens 1881
[Lepidoptera]
Unknown species 393
- Entomophaga asiatica**
[Orthoptera: Acrididae]
Unknown species 1393
Parapodisma 1659
- Entomophaga aulicae**
[Lepidoptera]
Unknown species 1140 1656
[Lepidoptera: Arctiidae]
Spilosoma niveum 2372 2373 2374
[Lepidoptera: Geometridae]
Enyppia griseata 2000
Lambdina fiscellaria fiscellaria 1991
2900
Lambdina fiscellaria lugubrosa 1990
Rheumaptera hastata 2899
[Lepidoptera: Lasiocampidae]
Dendrolimus spectabilis 1655
Malacosoma disstria 3602
[Lepidoptera: Lymantriidae]
Euproctis chrysorrhoea 7140 7141 7142
7143 7144 7145
Orgyia vetusta 4004 4005 4006 4007
4008
[Lepidoptera: Noctuidae]
Unknown species 3016
- ?*Heliothis* 251
Aedia leucomelas 198 998
Autographa gamma 2363 2365
Mamestra brassicae 1657 1751 2362
2367 2368 2369
Pseudaletia 1999
[Lepidoptera: Notodontidae]
Ellida caniplaga 2903
Heterocampa 2902
Heterocampa biundata 2905
Heterocampa guttivitta 2843 2904 3039
3212
[Lepidoptera: Pieridae]
Colias erate poliographus 2366
[Lepidoptera: Saturniidae]
Dryocampa rubicunda 2897
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 51 164 165
166 167 168 172 1992 1993 1994
1995 1997 1998 2896 2898 2901
- Entomophaga australiensis**
[Hemiptera: Cicadellidae]
Unknown species 743
Cicadella 328
Empoasca kraemeri 791
[Hemiptera: Cicadidae]
Cicadetta puer 331 365
[Hemiptera: Delphacidae]
Nilaparvata lugens 581
- Entomophaga calopteni**
[Orthoptera: Acrididae]
Melanoplus bivittatus 390 408 497 498
Melanoplus cuneatus 623 626 646
Melanoplus differentialis 2522
Melanoplus flavidus 383
Melanoplus packardii 625
- Entomophaga conglomerata**
[Diptera: Chironomidae]
Unknown species 2273
- Entomophaga macleodii**
[Orthoptera: Acrididae]
Camnula pellucida 496 618 619 620
621 624 628 629 765 767 768 769
773 774 777 778 779 4948 4949
4950 4951 4952 4953
Dissosteira carolina 375 376 382 499
- Entomophaga maimaiga**
[Lepidoptera: Lasiocampidae]
Malacosoma americanum 6170 6173
6174
Malacosoma disstria 4545
[Lepidoptera: Lymantriidae]
Lymantria dispar 1390 1391 1392 1400
1658 2370 2371 2775 2779 2780
3052 3053 3828 3829 3830 3831
3832 3833 3834 3835 3913 4504
4505 4506 4507 4508 4509 4510
4549 4550 4551 4552 4553 4554
4555 5377 5378 5379 5380 5381
5382 5383 5384 5385 5386 5387
5388 5389 5390 5391 5392 5393
5394 5395 5396 5397 5398 5399
5400 5401 5564 5568 5570 6004

- 6005 6168 6169 6171 6172 6212
6218 6224 6253 6254 6255 6256
6257 6258 6264 6265 6266 6267
6268 6269 6270 6271 6272 6523
6524 6625 6626 6627 6628 6629
6630 6652 6653 6654 6655 6656
6657 6663 6664 6665 6666 6667
6668 6724 6725 6726 6727 6728
6729 7101 7102 7103 7104 7105
7106 7107 7108 7109 7110 7111
7112 7113 7114 7115 7116 7120
7121 7122 7123 7124 7125 7126
7127 7131 7132 7133 7134 7135
7136 7137 7138 7139 7183 7184
7185 7186 7187 7188 7189 7190
7352 7353
- Entomophaga praxibuli**
[Hemiptera: Cicadellidae]
Empoasca vitis 3058
[Orthoptera: Acrididae]
Praxibulus 840
- Entomophthora chromaphidis**
[Hemiptera: Aphididae]
Acyrtosiphon kondoi 1860 1862 1863
- Entomophthora culicis**
[Diptera: Chironomidae]
Unknown species 5811
[Diptera: Nematocera]
Unknown species 387
- Entomophthora ferdinandii**
[Diptera: Muscidae]
Coenosia tigrina 6918
- Entomophthora muscae**
[Diptera]
Unknown species 392 6701 7371
[Diptera: Anthomyiidae]
Unknown species 2087 2088 2678
Botanophila fugax 6712
Delia 2089 2263 2264 2265 2266 2317
Delia antiqua 3074
Delia platura 707
Delia radicum 2665 2668 2670 2674
2675 6274 6706 6707 6708 6709
6710 6711 6717 6811 6814 6815
6818 6821
[Diptera: Calliphoridae]
Pollenia rudis 651
[Diptera: Muscidae]
Unknown species 5954
Musca domestica 454 556 557 803 2014
2542 5952 5953 6121 6122 6123
6124 6125 6126 6127 6128 6129
6130 6131 6132 6133 6134 6135
6136 6140 6141 6164 6165 6713
6714 6715 6716 6812 6813
[Diptera: Syrphidae]
Unknown species 826 2673
- Entomophthora planchoniana**
[Hemiptera: Aphididae]
Ovatus crataegarius 6251 6252
- Entomophthora scatophagae**
[Diptera: Scatophagidae]
Scatophaga stercoraria 6704 6705
- Entomophthora schizophorae**
[Diptera: Calliphoridae]
Pollenia 6703 6816 6817
[Diptera: Muscidae]
Musca domestica 5348 6137 6138 6139
6142 6143
[Diptera: Psilidae]
Psila rosae 2540 2541 2667
- Entomophthora syrphi**
[Diptera: Syrphidae]
Melanostoma scalare 6819 6820
Platycheirus clypeatus 6702
Triglyphus primus 5955
- Entomophthora thripidum**
[Thysanoptera: Thripidae]
Thrips tabaci 5868 6517 6518 6519
6520 6521 6522 6525
- Erynia sp.**
[Coleoptera: Cantharidae]
Unknown species 2664 5352
Rhagonycha fulva 2525 2536 2537 2538
2539 2553 2663
[Diptera]
Unknown species 876 880 884 2495
[Diptera: Brachycera]
Unknown species 1338
[Diptera: Chironomidae]
Unknown species 2507
[Diptera: Ephydriidae]
?Hydrellia 2097
[Hemiptera: Aphididae]
Unknown species 2279
Brevicoryne brassicae 2294
Macrosiphum euphorbiae 2292
Therioaphis maculata 1666
[Lepidoptera]
Unknown species 1241
[Lepidoptera: Noctuidae]
Pseudoplusia includens 2027
[Lepidoptera: Plutellidae]
Plutella xylostella 983
[Lepidoptera: Tortricidae]
Eana argentana 1143
[Trichoptera]
Unknown species 9537
- Erynia aquatica**
[Diptera: Culicidae]
Unknown species 764
Aedes 750
- Erynia conica**
[Diptera: Chironomidae]
Unknown species 2274 2405
[Diptera: Simuliidae]
Unknown species 1752 1753 2275
Simulium 1439
- Erynia curvispora**
[Diptera: Simuliidae]
Unknown species 1754 3229
[Trichoptera]
Unknown species 3244
- Erynia ovispora**
[Diptera: Psychodidae]
Unknown species 399 400
- Erynia rhizospora**
[Trichoptera]
Unknown species 219 801 1440 1441
1442 1443 2276
[Trichoptera: Hydropsychidae]
Unknown species 2407
- Erynia sciarae**
[Diptera: Mycetophilidae]
Unknown species 1870
- Erynia sepulchralis**
[Diptera: Tipulidae]
Unknown species 12250
- Eryniopsis caroliniana**
[Diptera: Tipulidae]
Tipula paludosa 640 641 642
- Eryniopsis ptychopterae**
[Diptera: Ptychopteridae]
Ptychoptera contaminata 2535 2671
- Escovopsis aspergilloides**
[Hymenoptera: Formicidae]
Trachymyrmex sp. 5575
- Escovopsis sp.**
[Hymenoptera: Formicidae]
Acromyrmex octospinosus 5574
- Escovopsis weberii**
[Hymenoptera: Formicidae]
Atta colombica 5576
- Eurotiomycetes, genus undetermined**
[Hemiptera: Adelgidae]
Adelges tsugae 9360 9361
- Evlachovaea sp.**
[Coleoptera: Elateridae]
Agriotes 7403
[Coleoptera: Scarabaeidae]
Phyllophaga menetriesi 7551
[Coleoptera: Scolytidae]
Dendroctonus rufipennis 1017
[Dermaptera]
Unknown species 7602
[Diptera: Bibionidae]
Plecia 7372
[Diptera: Stratiomyidae]
Chiromyza 6146
[Hemiptera: Tingidae]
Leptopharsa heveae 6635 6638 6639
6640 6641
[Hymenoptera: Formicidae]
Pogonomyrmex occidentalis 7543
[Hymenoptera: Sphecidae]
Unknown species 2545

- [Hymenoptera: Tenthredinidae]
Monophadnus elongatulus 1576
- [Lepidoptera]
Unknown species 7599 7600 7601
- [Lepidoptera: Brassolidae]
Brassolis 2297
Brassolis sophorea 2613 2620
- [Lepidoptera: Gelechiidae]
Sitotroga cerealella 5703
- [Lepidoptera: Noctuidae]
Spodoptera frugiperda 959
- [Lepidoptera: Oecophoridae]
Anteotricha 2614 2615
- [Lepidoptera: Pyralidae]
Galleria mellonella 8439 8441 8442
8449
- [Thysanoptera: Thripidae]
Unknown species 11788
Taeniothrips inconsequens 10194
- Evlachovaea kintrischica**
[Coleoptera: Chrysomelidae]
Agelastica alni 7218 8058
- Exophiala** sp.
[Hemiptera: Adelgidae]
Adelges tsugae 9362
- Furculomyces boomerangus**
[Diptera: Chironomidae]
Procladius paludicola 9077
Psectrocladius paludicola 9259
Tanytarsus nr. inextentus 9021
- Furia americana**
[Diptera]
Unknown species 742 1240 1242 2192
2194
- Furia gastropachae**
[Lepidoptera]
Unknown species 2906
- [Lepidoptera: Lasiocampidae]
Malacosoma disstria 5541 5542 5543
5544 5545 5546 5547 5869 5870
5871 5872 8926
- Furia ithacensis**
[Diptera: Empididae]
Unknown species 1339 1340
- Furia neopyralidarum**
[Lepidoptera]
Unknown species 1145
- Furia pieris**
[Lepidoptera: Pieridae]
Pieris rapae 781
- Furia virescens**
[Hemiptera: Miridae]
Notostira elongata 394
- [Lepidoptera]
Unknown species 427
- [Lepidoptera: Noctuidae]
Unknown species 470 1129
- Fusarium** sp.
[Acari: Ixodidae]
Boophilus 3296
- [Acari: Tetranychidae]
Tetranychus urticae 6443 6572
- [Coleoptera: Buprestidae]
Agrilus planipennis 8131
- [Coleoptera: Chrysomelidae]
Lilioceris lilii 4011
- [Coleoptera: Curculionidae]
Anthonomus musculus 3030 3031 3032
Conotrachelus nenuphar 8266
Hylurgus ligniperda 12461
- [Coleoptera: Scarabaeidae]
Amphimallon solstitiale 11670 11671
11672 11673 11674 11675 11677
11679 11680 11684
- [Coleoptera: Scolytidae]
Dendroctonus micans 9273 9274
Hypothenemus hampei 5461 5875 5878
5879 7063
- [Diptera]
Unknown species 2414
- [Diptera: Culicidae]
Culex pipiens pipiens 11949 11950
Ochlerotatus trivittatus 11948
- [Diptera: Muscidae]
Musca domestica 1522
- [Diptera: Psychodidae]
Lutzomyia 3382
- [Diptera: Ulidiidae]
Tetanops myopaeformis 7382
- [Hemiptera: Adelgidae]
Adelges tsugae 5803 5825
- [Hemiptera: Aleyrodidae]
Unknown species 4002
Bemisia tabaci 3668 3669 3670 3671
3672 3674 5332
- [Hemiptera: Aphididae]
Aphis fabae 8277 8278 8287
Aphis gossypii 5726 5727 5728 7233
Diuraphis noxia 4969
Rhopalosiphum padi 11865
Sitobion avenae 2333
Toxoptera aurantii 6790
- [Hemiptera: Cercopidae]
Mahanarva andigena 6460 6461 6464
Prosapia nr. bicincta 4714
Zulia carbonaria 6465
Zulia colombiana 6348 6351 6352 6353
6354 6358
Zulia pubescens 6375 6576
- [Hemiptera: Coccidae]
Unknown species 1828
Coccus viridis 2232
Parthenolecanium 12072 12073 12074
12075 12076 12077 12078 12079
12084
- [Hemiptera: Delphacidae]
Nilaparvata lugens 687
- [Hemiptera: Diaspididae]
Lopholeucaspis japonica 6225
- [Hemiptera: Membracidae]
Ceresa bubalus 8279
- [Hemiptera: Miridae]
Adelphocoris 1307 1641
- [Hemiptera: Pentatomidae]
Halyomorpha halys 10311 10312 10313
10388 10389 10390 10391 11655
- [Hemiptera: Pseudococcidae]
Phenacoccus solenopsis 9377
- [Hemiptera: Psyllidae]
Heteropsylla cubana 2303
- [Hemiptera: Reduviidae]
Triatoma infestans 7473
- [Hemiptera: Scutelleridae]
Eurygaster 5680 5682 5755 5757 6394
6395 6396 6397 6398 6401 6402
6403 6410 6428 6429
- [Hymenoptera: Formicidae]
Unknown species 12032 12033 12034
12035 12036 12037 12038 12039
12040
- [Lepidoptera: Gelechiidae]
Scrobipalpuloides absoluta 5219
- [Lepidoptera: Lycaenidae: Polyommata-
nae]
Orachrysops subravus 6102
- [Lepidoptera: Lymantriidae]
Lymantria dispar 3532
- [Lepidoptera: Noctuidae]
Spodoptera 2736
- [Lepidoptera: Plutellidae]
Plutella xylostella 5881
- [Lepidoptera: Pyralidae]
Galleria mellonella 5560
- [Lepidoptera: Tortricidae]
Cydia pomonella 3976
Epiphyas postvittana 10470
- [Orthoptera: Acrididae]
Aiolopus longicornis 6445 6450
- [Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11697
- [Orthoptera: Tetrigidae]
Tetrix granulata 8286
- [Thysanoptera: Thripidae]
Unknown species 9937 11790
Scirtothrips dorsalis 7381
- [Tylenchida: Heteroderidae]
Meloidogyne hapla 4956 4962
- Fusarium acuminatum**
[Orthoptera: Acrididae]
Unknown species 3218
- Fusarium acutatum**
[Hemiptera: Aphididae]
Unknown species 3704 3707
- Fusarium austroamericanum**
[Hemiptera: Cercopidae]
Prosapia nr. bicincta 4713
- Fusarium avenaceum**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2060
- Fusarium brachygibbosum**
[Lepidoptera: Hyblaeidae]
Hyblaea puer 2595

Fusarium coccophilum [Hemiptera: Coccoidea] Unknown species 7409 [Hemiptera: Diaspididae] <i>Lepidosaphes</i> 2098 <i>Melanaspis obscura</i> 821	[Hemiptera: Pentatomidae] <i>Dolycorus</i> 6411 [Hemiptera: Scutelleridae] <i>Eurygaster</i> 6409 6425 [Lepidoptera: Noctuidae] <i>Spodoptera litura</i> 6649 [Lepidoptera: Plutellidae] <i>Plutella xylostella</i> 2776	Gibellula pulchra [Araneida] Unknown species 1732
Fusarium commune [Coleoptera: Curculionidae] <i>Otiorhynchus ligustici</i> 4825 [Orthoptera: Tetrigidae] <i>Tetrix granulata</i> 8281	Fusarium pseudocircinatum [Hemiptera: Psyllidae] <i>Heteropsylla incisa</i> 2301	Gibellula sp. [Araneida] Unknown species 569 570 8927
Fusarium concentricum [Hemiptera: Delphacidae] <i>Nilaparvata lugens</i> 2053	Fusarium sacchari [Hemiptera: Coccidae] <i>Pulvinaria elongata</i> 2145 [Hemiptera: Delphacidae] <i>Sogatella furcifera</i> 8282 8283 8285 [Hemiptera: Lophopidae] <i>Pyrilla perpusilla</i> 2143 [Lepidoptera: Phycitinae] <i>Emmalocera depressella</i> 2418 [Lepidoptera: Pyralidae] <i>Chilo sacchariphagus</i> 7045 7046 <i>Chilo sacchariphagus indicus</i> 2142 <i>Scirpophaga excerptalis</i> 2141	Gliocladium sp. [Lepidoptera: Sesiidae] Unknown species 6632
Fusarium culmorum [Hemiptera: Scutelleridae] <i>Eurygaster</i> 6400	Fusarium semitectum [Hemiptera: Psyllidae] <i>Heteropsylla incisa</i> 2299 2300	Gliocladium(?) sp. [Acari: Ixodidae] <i>Ixodes scapularis</i> 6896 [Hemiptera: Margarodidae] <i>Icerya purchasi</i> 6579 6583
Fusarium lateritium [Hemiptera: Psyllidae] <i>Heteropsylla cubana</i> 2304 [Hymenoptera: Ichneumonidae] Unknown species 1331 1416	Fusarium solani [Diptera: Anthomyiidae] <i>Delia radicum</i> 1148	Haptocillium balanoides [Aphelenchida: Aphelenchoididae] <i>Aphelenchoides</i> 3173
Fusarium meridionale [Hemiptera: Cercopidae] <i>Prosapia nr. bicincta</i> 4715	Fusarium subglutinans [Hemiptera: Lophopidae] <i>Pyrilla perpusilla</i> 2144	Harpellales, genus undetermined [Diptera: Chironomidae] <i>Corynoneura</i> 9089 [Trichoptera] Unknown species 9064
Fusarium merismoides [Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 2059	Fusarium torulosum [Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 3483	Harposporium anguillulae [Tylenchida: Heteroderidae] <i>Meloidogyne hapla</i> 4954
Fusarium nygamai [Coleoptera: Scolytidae] <i>Hypothenemus hampei</i> 6602 [Lepidoptera: Noctuidae] <i>Raghuva albipunctella</i> 2316	Fusarium udum [Orthoptera: Acrididae] <i>Aiolopus longicornis</i> 6446 6447 6451 6452 6455	Harposporium botuliforme [Bdelloida: Adinetidae] <i>Adineta vaga</i> 10275
Fusarium oxysporum [Diptera: Anthomyiidae] <i>Delia radicum</i> 1371 [Tylenchida: Heteroderidae] <i>Meloidogyne hapla</i> 4963 4964	Fusarium verticillioides [Diptera: Bibionidae] Unknown species 2252 [Hemiptera: Aleyrodidae] <i>Bemisia tabaci</i> 3673 3675 3676 3677 3678 3679 [Lepidoptera: Noctuidae] <i>Spodoptera frugiperda</i> 3300	Harposporium janus [Coleoptera: Cerambycidae] Unknown species 5601
Fusarium oxysporum(?) [Hemiptera: Cercopidae] <i>Zulia colombiana</i> 6355	Geotrichum sp. [Lepidoptera: Plutellidae] <i>Plutella xylostella</i> 2752	Harposporium sp. [Bdelloida: Adinetidae] <i>Adineta vaga</i> 12623
Fusarium polyphialidicum [Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 3692 3693 3694 3695 3696 3916	Geotrichum (?) sp. [Hemiptera: Adelgidae] <i>Adelges tsugae</i> 5823	Harposporium spirosporum [Bdelloida: Habrotrochidae] <i>Habrotrocha elusa</i> 8821 10271
Fusarium proliferatum [Coleoptera: Curculionidae] <i>Chalcodermus aeneus</i> 2568 2569 <i>Conotrachelus nenuphar</i> 8267 <i>Sitona discoideus</i> 1310 [Hemiptera: Aphididae] <i>Rhopalosiphum padi</i> 2337 [Hemiptera: Cercopidae] <i>Aeneolamia postica</i> 3345 <i>Zulia pubescens</i> 6320 [Hemiptera: Delphacidae] <i>Nilaparvata lugens</i> 3223 [Hemiptera: Diaspididae] <i>Melanaspis glomerata</i> 2074	Gibellula clavulifera var. alba [Araneida: Salticidae] <i>Euophrys ?trivittata</i> 1909	Hirsutella sp. [Acari] Unknown species 2795 2796 2797 2798 2801 2802 2803 [Acari: Eriophyidae] <i>Abacarus hystrix</i> 970 8999 [Collembola] Unknown species 2799 [Diptera: Sciomyzidae] <i>Sepedon sphegeus</i> 1551 [Hemiptera] Unknown species 4511 [Hemiptera: Cicadellidae] <i>Empoasca kraemeri</i> 1625 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2992 [Hemiptera: Cixiidae] <i>Oliarus dimidiatus</i> 8378 [Hemiptera: Delphacidae] <i>Nilaparvata lugens</i> 568 1096

- [Hemiptera: Derbidae]
Lydda 4515
- [Hemiptera: Diaspididae]
Nuculaspis tsugae 1668
- [Hemiptera: Miridae]
Cyrtorhinus lividipennis 2208 2209
- [Hemiptera: Psyllidae]
Diaphorina citri 9605 9606 11755
11757 11758 11759 11760 11761
- [Hymenoptera: Formicidae]
Solenopsis invicta 7578
- [Lepidoptera]
Unknown species 2581
- [Thysanoptera: Phlaeothripidae]
Liothrips mikaniae 4513 4514
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 2939 2940
3266 3318 3546 3548 3553
Thrips palmi 4193
- Hirsutella brownorum**
[Acari]
Unknown species 3509
- Hirsutella citriformis**
[Hemiptera: Cixiidae]
Myndus crudus 1035 1446
- [Hemiptera: Delphacidae]
Unknown species 2428
Nilaparvata lugens 490 532 591 684
1036 1062 1063 1064 1243 1244
1245 1246 1249 1251 1252 1253
1254 1255 1256 1257 1258 1259
1436 1549 1550 1837 1913 1917
1918 1919 2099 2100 2101 2102
2103 2346 2420 2422 2423 2426
- [Hemiptera: Psyllidae]
Diaphorina citri 8315 9180 11665
Heteropsylla cubana 2347 2598
- [Psocoptera: Ectopsocidae]
Ectopsocus 8679
- [Psocoptera: Pseudocaeciliidae]
Heterocaecilius 8677 8678
- Hirsutella cryptosclerotium**
[Hemiptera: Pseudococcidae]
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- Hirsutella fusiformis**
[Coleoptera: Curculionidae]
Brachyderes incanus 5474
- Hirsutella gigantea**
[Hymenoptera: Pamphiliidae]
Unknown species 30
- Hirsutella guyana**
[Hemiptera: Cicadellidae]
Unknown species 2352 2387
Empoasca kraemeri 878 879 881 882
883 2993
- Hirsutella haptospora**
[Acari: Uropodina]
Unknown species 2226
- Hirsutella illustris**
[Hemiptera: Aphididae]
Eriosoma lanigerum 5539
- Hirsutella kirchneri**
[Acari]
Unknown species 5550
- [Acari: Eriophyidae]
Abacarus hystrix 5551
- Hirsutella lecanicola**
[Hemiptera: Coccidae]
Parthenolecanium corni 8888
- Hirsutella liboensis**
[Lepidoptera: Cossidae]
Unknown species 9603
- Hirsutella longicolla var. cornuta**
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 177 178
- Hirsutella minnesotensis**
[Tylenchida: Heteroderidae]
Heterodera glycines 7288 7289 7290
7291 7294
- Hirsutella myrmicarum**
[Hymenoptera: Formicidae]
Myrmica rubra 11864
- Hirsutella necatrix**
[Acari]
Unknown species 5549
- Hirsutella nodulosa**
[Lepidoptera: Pyralidae]
Diorcytria zimmermani 5473
- Hirsutella nr. haptospora**
[Diptera: Itonididae]
Unknown species 2228
- Hirsutella radiata**
[Diptera: ?Lauaxaniidae]
Unknown species 1369
- Hirsutella repens**
[Hemiptera: Delphacidae]
Nilaparvata lugens 2348 2359 2394
- Hirsutella rhostiliensis**
[Thysanoptera: Thripidae]
Unknown species 11820
- [Tylenchida: Criconematidae]
Criconemella curvata 2007
Criconemella xenoplax 2006 2008 3744
3746 3747 3748 3750 3754
- [Tylenchida: Heteroderidae]
Heterodera glycines 7286 7287 7292
7293 7295
Heterodera humuli 2894
Heterodera schachtii 2788 2789 2790
2791 2792 2794 2931 2932 2933
3761
- [Tylenchida: Hoplolaimidae]
Rotylenchus robusta 3755 3756 3757
3758 3759
- Hirsutella satumaensis**
[Lepidoptera: Pyralidae]
Diorcytria sylvestrella 996
- Hirsutella sinensis**
[Lepidoptera: Hepialidae]
Unknown species 6282
- Hirsutella strigosa**
[Hemiptera: Cicadellidae]
Nephotettix virescens 2197
- [Hemiptera: Delphacidae]
Nilaparvata lugens 2044
- Hirsutella subulata**
[Lepidoptera: Microlepidoptea]
Unknown species 2227
- Hirsutella thompsonii**
[Acari]
Unknown species 2800
- [Acari: Eriophyidae]
Calacarus heveae 6633
Colomerus novaehbridensis 258 414
Eriophyes guerreonis 256 257
Eriophyes sheldoni 255 2459
Phyllocoptruta oleivora 137 241 253
259 2012 2464
- [Acari: Tarsonemidae]
Unknown species 1947
- [Acari: Tenuipalpidae]
Dolichotetranychus floridanus 3323
- [Acari: Tetranychidae]
Tetranychus 9457
- [Coleoptera: Carabidae]
Unknown species 11819
- Hirsutella thompsonii var. syn-nematosa**
[Acari: Tetranychidae]
Mononychellus tanajoa 5412
- Hirsutella thompsonii var. vinacea**
[Acari: Eriophyidae]
Acalitus vaccinii 254
- Hirsutella versicolor**
[Hemiptera: Cicadellidae]
Idiocerus nitidulus 4512
- [Hemiptera: Membracidae]
Unknown species 1034 1037
- Hirsutella verticillioides**
[Hemiptera: Cicadellidae]
Idioscopus clypealis 2599
- Humicola sp.**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2069
- Hymenostilbe sphecephila**
[Hymenoptera]
Unknown species 6292
- Hymenostilbe verrucosa**
[Araneida]
Unknown species 2002
- Hypocrella discoidea**
[Hemiptera: Coccoidea]
Unknown species 7681
- Hypocrella javanica**
[Hemiptera: Coccoidea]
Unknown species 7605

Hypocrella panamensis
[Hemiptera: Coccoidea]
Unknown species 8361

Hypocrella raciborskii
[Hemiptera: Coccoidea]
Unknown species 7606

Isaria sp.
[Coleoptera]
Unknown species 9519
[Diptera: Tipulidae]
Unknown species 9508
[Hemiptera: Adelgidae]
Adelges tsugae 11630
[Hemiptera: Psyllidae]
Unknown species 9517
[Hemiptera: Scutelleridae]
Eurygaster 10360 10363 10364 10365
10366 10367 10368 10369 10370
10371 10372 10373 10374 10375
10376 10377 10378 10379 10380
10381 10382 10383 10384 10385
11631 11632 11633 11634 11635
11636
[Hymenoptera: Cephidae]
Cephus cinctus 12941
[Orthoptera: Acrididae]
Melanoplus bivittatus 12433
Melanoplus femurrubrum 12409
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10162
11629

Isaria amoenerosea
[Coleoptera: Lagriidae]
Lagria vilosa 741 744 2220 2958 2959
2960 4097
[Coleoptera: Meloidae]
Unknown species 4849

Isaria andoi
[Diptera: Cecidomyiidae]
Resseliella odai 1684

Isaria cateniannulata
[Coleoptera: Curculionidae]
Unknown species 6241
Brachyderes incanus 6243
[Lepidoptera]
Unknown species 6240 9601 11722
[Lepidoptera: Lymantriidae]
Lymantria dissoluta 6242

Isaria cateniannulata(?)
[Lepidoptera: Arctiidae]
Hyphantria cunea 12166

Isaria cateniobliqua
[Coleoptera]
Unknown species 6244
[Orthoptera: Acridoidea]
Unknown species 6283

Isaria cicadae
[Lepidoptera]
Unknown species 11726

Isaria coleopterorum
[Coleoptera: Lampyridae]
Unknown species 9509
[Diptera: Tipulidae]
Unknown species 10163

Isaria farinosa
[Acari]
Unknown species 11825
[Araneida]
Unknown species 2376
[Araneida: Araneae]
Unknown species 5191
[Coleoptera]
Unknown species 2355 9516
[Coleoptera: Buprestidae]
Agrius planipennis 9944 9945
[Coleoptera: Carabidae]
Unknown species 11831
Agonum dorsale 4029 4044
Bembidion lampros 4043
Hapalus sp. 4045
[Coleoptera: Cerambycidae]
Unknown species 5073 5074 5075 5080
7276
Anoplophora glabripennis 8411
[Coleoptera: Chrysomelidae]
Unknown species 6491
Pyrhalta luteola 1507 1508
[Coleoptera: Coccinellidae]
Unknown species 5754 5834
[Coleoptera: Curculionidae]
Unknown species 11830
Otiorhynchus sulcatus 2937
Premnotrypes vorax 799
Sitona lineatus 4039
[Coleoptera: Lagriidae]
Lagria vilosa 1957
[Coleoptera: Scarabaeidae]
Unknown species 6488 6489
[Coleoptera: Scolytidae]
Dendroctonus micans 9269 9270 9275
9276 9277 9278
[Coleoptera: Silphidae]
Unknown species 9511
[Coleoptera: Staphylinidae]
Staphylinus olens 4040
[Coleoptera: Tenebrionidae]
Unknown species 5699 11827
Alphitobius diaperinus 5858
Tenebrio molitor 8917
[Coleoptera: Elateroidea]
Unknown species 11710
[Collembola]
Unknown species 6482
[Diptera]
Unknown species 10156 10160 10165
11834
[Diptera: Bibionidae]
Unknown species 11828
[Diptera: Culicidae]
Aedes albifasciatus 2971
Aedes sierrensis 1939
[Diptera: Muscidae]
Unknown species 11832
[Diptera: Simuliidae]
Unknown species 11826

[Diptera: Tachinidae]
Unknown species 1348 1349
[Diptera: Tipulidae]
Unknown species 11824
[Diptera: Xylophagidae]
Unknown species 9512
[Hemiptera: Adelgidae]
Adelges tsugae 5178 5760 5761 5774
5775 5776 5784 5788 5790 5792
5797 5799 5800 5801 5802 5826
5827 5830 6028 6029 6030 6031
6032 6033 6034 6036 6037 6038
6048 6049
[Hemiptera: Aleyrodidae]
Aleurocanthus woglumi 2954
Bemisia tabaci 3572 3574 3575 3576
3578 3579 3580 3582 3583 3584
3585 3586 3587 3588 3589 3591
3592 3593 3658 3659 3661 5081
5082 5083 5084 5306
Trialeurodes vaporariorum 4412
[Hemiptera: Aphididae]
Diuraphis noxia 6222 6609 6983
[Hemiptera: Coccidae]
Unknown species 9513
[Hemiptera: Lygaeidae]
Unknown species 6496
[Hemiptera: Miridae]
Unknown species 6607
[Hemiptera: Pentatomidae]
Unknown species 11833
Aelia 6097 6098 6493 6497
[Hemiptera: Scutelleridae]
Eurygaster 5675 5676 5679 6012 6017
6020 6044 6481 6490 6495
Eurygaster integriceps 6288
[Hymenoptera]
Unknown species 7249 7262
[Hymenoptera: Eulophidae]
Unknown species 11835
[Hymenoptera: Formicidae]
Unknown species 7728 9510
[Hymenoptera: Formicoidea]
Unknown species 9514
[Hymenoptera: Pamphiliidae]
Acantholyda erythrocephala 5548
[Hymenoptera: Tenthredinidae]
Pristiphora erichsonii 1851
[Lepidoptera]
Unknown species 2822 3152 4090 5996
6245 7118 7714 7720 7722 7723
7724 7725 7726 7730 7731 7733
7734 7736 7737 11721 11829
[Lepidoptera: Arctiidae]
Pyrрharctia isabella 3017
[Lepidoptera: Cossidae]
Prionoxystus robiniae 2269
[Lepidoptera: Geometridae]
Alosophila pometaria 5368
Lambdina athasaria 3537 3538
[Lepidoptera: Lasiocampidae]
Unknown species 9515
Malacosoma americanum 3
[Lepidoptera: Lymantriidae]
Leucoma salicis 38

Host by Fungus

<i>Lymantria dispar</i> 20 648 697 2057 2131 2564 2835 3221 3490 3491 3492 3493 3494 3495 3496 3497 3498 3499 3500 3501 3502 3503 3504 3505 3506 3507 3508 3517 3518 3519 3520 3521 3522 3523 3524 3525 3526 3533 3595 3596 3597 3598 3599 3664 3665 3666	<i>Tenebrio molitor</i> 5627 [Diptera: Blattellidae] <i>Blattella germanica</i> 5855 [Diptera] Unknown species 887 [Diptera: ?Stratiomyidae] Unknown species 2425 [Diptera: Calliphoridae] <i>Calliphora</i> 1646 [Diptera: Muscidae] <i>Musca autumnalis</i> 1626 <i>Musca domestica</i> 1644 1645 1867 1868 5860 [Hemiptera: Aleyrodidae] <i>Bemisia</i> 3313 3800 6797 6798 <i>Bemisia argentifolii</i> 5154 5155 5156 5157 5158 5159 5462 5463 5464 <i>Bemisia tabaci</i> 3076 3083 3322 3408 3581 3590 3594 3660 3662 3663 3699 3700 3843 3848 3851 3878 3889 4482 4483 4484 4485 4486 4490 4491 4492 4493 4494 4495 4496 4497 4498 4499 4501 4502 4503 5085 5086 5087 5088 5089 5090 5107 5113 5115 5116 5117 5118 5119 5121 5122 5260 5261 5262 5263 5264 5265 5266 5267 5268 5269 5270 5271 5272 5297 5298 5299 5300 5301 5302 5303 5304 5305 5307 5308 5309 5310 5311 5312 5313 5314 5315 5316 5317 5318 5319 5320 5322 5323 5324 5325 5326 5327 5328 5329 5330 5331 5475 5476 6434 6435 6562 <i>Trialeurodes vaporariorum</i> 2658 4205 4401 4404 4406 4407 4408 4409 4410 4411 4413 4414 4415 6916 7051 7204 7205 8716 8717 8718 8719 8720 8721 8723 8724 8725 8726 8727 8728 8729 8730 8928 [Hemiptera: Aphididae] Unknown species 3682 4400 6789 <i>Diuraphis noxia</i> 3824 4383 4459 4460 4461 4698 4699 4700 4701 4702 4703 4704 4705 4706 4707 4708 4709 4710 4711 <i>Myzus persicae</i> 3458 [Hemiptera: Delphacidae] <i>Nilaparvata lugens</i> 2198 [Hemiptera: Miridae] <i>Adelphocoris</i> 1530 1532 [Hemiptera: Pentatomidae] Unknown species 3429 [Hemiptera: Pseudococcidae] <i>Phenacoccus solani</i> 2247 [Hemiptera: Psyllidae] <i>Heteropsylla incisa</i> 2175 [Hemiptera: spf. Fulgoroidea] Unknown species 7050 [Hymenoptera: Aphelinidae] <i>Eretmocerus californicus</i> 5253 5254 5255 5256 5257 5258 [Lepidoptera] Unknown species 5251 5252 7743 9520	[Lepidoptera: Arctiidae] <i>Hyphantria cunea</i> 1568 1569 1577 1578 1579 10224 12172 12173 12174 12175 12177 [Lepidoptera: Bombycidae] <i>Bombyx mori</i> 720 989 1005 [Lepidoptera: Lymantriidae] <i>Lymantria dispar</i> 6206 [Lepidoptera: Noctuidae] <i>Spodoptera</i> 2734 [Lepidoptera: Plutellidae] <i>Plutella xylostella</i> 2749 5874 6799 6800 [Lepidoptera: Pyralidae] <i>Diaphania hyalinata</i> 3302 <i>Galleria mellonella</i> 6893 8333 8337 8345 8348 8448 9380 11657 11658 11659 <i>Ostrinia nubilalis</i> 3983 [Lepidoptera: Tortricidae] <i>Cydia pomonella</i> 6192 6203 6204 Isaria guauensis [Orthoptera: Gryllidae] Unknown species 2152 Isaria javanica [Coleoptera] Unknown species 7119 [Coleoptera: Curculionidae] <i>Litodactylus leucogaster</i> 322 [Hemiptera: Aleyrodidae] <i>Bemisia</i> 3303 <i>Bemisia tabaci</i> 3573 3577 3776 3778 5259 5321 <i>Trialeurodes vaporariorum</i> 7477 [Lepidoptera: Noctuidae] <i>Mamestra brassicae</i> 3981 Isaria poprawskii [Hemiptera: Aleyrodidae] <i>Bemisia argentifolii</i> 7028 Isaria sinclairii [Hemiptera: Cicadidae] <i>Mogannia hebes</i> 6925 Isaria tenuipes [Araneida] Unknown species 9533 [Lepidoptera] Unknown species 5134 5135 6249 7790 9531 9532 9534 11705 11706 11707 [Lepidoptera: Noctuidae] Unknown species 3938 3939 4096 <i>Mocis latipes</i> 6889 <i>Spodoptera frugiperda</i> 2488 2489 2490 2491 [Lepidoptera: Nymphalidae] <i>Agraulis vanillae</i> 6788 Lagenidium caudatum [Dorylaimida: Longidoridae] <i>Xiphinema rivesi</i> 2003
<i>Lymantria dispar</i> 20 648 697 2057 2131 2564 2835 3221 3490 3491 3492 3493 3494 3495 3496 3497 3498 3499 3500 3501 3502 3503 3504 3505 3506 3507 3508 3517 3518 3519 3520 3521 3522 3523 3524 3525 3526 3533 3595 3596 3597 3598 3599 3664 3665 3666	[Lepidoptera: Noctuidae] <i>Agrotis segetum</i> 4010 <i>Rivula atimeta</i> 2344 <i>Spodoptera</i> 2546 [Lepidoptera: Notodontidae] <i>Quadicalcarifera punctatella</i> 1042 [Lepidoptera: Nymphalidae] Unknown species 981 <i>Chlosyne lacinia saundersii</i> 1065 [Lepidoptera: Pyralidae] <i>Galleria mellonella</i> 7531 7574 7575 7576 7961 7962 8770 11656 [Lepidoptera: Sesiidae] <i>Conopia myopaeformis</i> 1108 [Lepidoptera: Tortricidae] <i>Cydia pomonella</i> 975 5883 5884 5885 6200 6202 6207 <i>Laspeyresia medicaginis</i> 1225 <i>Lobesia botrana</i> 1111 [Opiliones] Unknown species 5194 [Thysanoptera: Thripidae] Unknown species 11822 11823 <i>Taeniothrips inconsequens</i> 3564 10155 10157 10158 10159 10161 10231	
Isaria farinosa(?) [Hemiptera: Psyllidae] Unknown species 7219		
Isaria flavovirescens [Diptera: Cecidomyiidae] <i>Resseliella odai</i> 1686		
Isaria fumosorosea [Acari] Unknown species 6610 [Acari: Ixodidae] <i>Ixodes ricinus</i> 7069 [Coleoptera] Unknown species 5694 7716 9602 [Coleoptera: Buprestidae] <i>Agrilus planipennis</i> 8142 [Coleoptera: Chrysomelidae] Unknown species 8840 <i>Pyrrhalta luteola</i> 1506 <i>Spaethiella</i> 2956 [Coleoptera: Coccinellidae] <i>Coccinella septempunctata</i> 9521 [Coleoptera: Lagriidae] <i>Lagria vilosa</i> 722 2216 2217 2219 2221 [Coleoptera: Scarabaeidae] <i>Popillia japonica</i> 2679 <i>Rhopaea magnicornis</i> 8892 [Coleoptera: Scolytidae] <i>Hypothenemus hampei</i> 6730 7284 [Coleoptera: Tenebrionidae] <i>Alphitobius diaperinus</i> 5844 5845 5846 5847		

Lagenidium giganteum

- [Diptera: Ceratopogonidae]
Forcipomyia marksae 2529 2530 2531
2532
[Diptera: Culicidae]
Unknown species 748
Aedes melanimon 3327
Culex tarsalis 1384
Culex territans 749
Culiseta melanura 373

Lasiodiplodia theobromae

- [Hymenoptera: Formicidae]
Anoplolepis longipes 2170

Lecanicillium sp.

- [Acari]
Unknown species 7373 10164 10215
10216 10217 10218
[Coleoptera: Elateridae]
Unknown species 7635 7636
[Coleoptera: Silphidae]
Unknown species 9459
[Diptera: Bibionidae]
Unknown species 11798
[Diptera: Xylophagidae]
Unknown species 7634 7849
[Hemiptera: Adelgidae]
Adelges tsugae 9175 9176 9924 9925
9926 11648 12089
[Hemiptera: Aphididae]
Toxoptera citricida 2009
[Hemiptera: Coccidae]
Parthenolecanium 12052 12054 12055
12056 12057 12058 12059 12060
12061 12062 12063 12064 12065
12066 12067 12068 12069 12070
12071
Parthenolecanium corni 7622
[Hemiptera: Coccoidea]
Unknown species 9177
[Hemiptera: Ortheziidae]
Orthezia urticae 9466
[Hemiptera: Tingidae]
Leptopharsa heveae 8639
[Hymenoptera: Formicidae]
Pogonomyrmex occidentalis 7544
[Hymenoptera: Vespidae]
Vespa 7630
[Lepidoptera]
Unknown species 7624 7625 7626 7627
7628 7629 7632
[Lepidoptera: Tortricidae]
Tortrix viridana 9458
[Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11696
[Thysanoptera: Thripidae]
Unknown species 9930 9931 9935 9936
Taeniothrips inconsequens 3253 3254
3255 3259 3260 10154 10192 10193
10196 10197 10198 10199 10200
10201 10202 10203 10206 10207
10208 10209 10210 10211 10212
10213 10214 10287 10288 10289
10290 10291 10294 10295 10296
10297 10298 10299 10300 10301
10302 10303 10304 10305 10306

Lecanicillium aphanocladii

- [Acari: Tetranychidae]
Tetranychus urticae 9615
[Hemiptera: Aphididae]
Myzus nr. *persicae* 2324
[Hemiptera: Pseudococcidae]
Paracoccus marginatus 9611
[Hymenoptera: Cephidae]
Cephus cinctus 12481 12483

Lecanicillium aphanocladii(?)

- [Hemiptera: Tingidae]
Leptopharsa heveae 7985 7986

Lecanicillium evansii(?)

- [Coleoptera]
Unknown species 11805
[Diptera]
Unknown species 11785 11795
[Diptera: Simuliidae]
Unknown species 11796
[Hemiptera: Aphididae]
Unknown species 11797
[Hymenoptera]
Unknown species 11804
[Hymenoptera: Trichogrammatidae]
Unknown species 11806
[Protura]
Unknown species 11807
[Thysanoptera: Thripidae]
Unknown species 11789 11791 11792
11793 11794 11809

Lecanicillium flavidum

- [Agaricales: Entolomataceae]
Entoloma 4519

Lecanicillium fungicola

- [Coleoptera: Elateridae]
Unknown species 9483
[Hemiptera: Aleyrodidae]
Unknown species 9482

Lecanicillium fusisporum

- [Hemiptera: Aphididae]
Myzus persicae 5583
[Thysanoptera: Thripidae]
Unknown species 11787 11808

Lecanicillium fusisporum(?)

- [Diptera: Muscidae]
Musca domestica 5578 5579
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10184

Lecanicillium lecanii

- [Araneida]
Unknown species 1905
[Coleoptera: Buprestidae]
Agrilus planipennis 8115
[Coleoptera: Cerambycidae]
Plectrodera scalator 7181 7182
[Coleoptera: Chrysomelidae]
Pyrrhalta luteola 1505
[Hemiptera: Adelgidae]
Adelges tsugae 5759 5785 5787 5794
5829 11817
[Hemiptera: Aleyrodidae]
Trialeurodes vaporariorum 7207

- [Hemiptera: Aphididae]
Unknown species 6887
Aphis rumicis 7530
Brevicoryne brassicae 1787
Diuraphis noxia 5706
Myzus cerasi 6915
Myzus persicae 3387 7462
Uroleucon ambrosiae 6886
[Hemiptera: Coccidae]
Unknown species 6888
Ceroplastes 6791
Coccus viridis 2149 2150
[Hemiptera: Coccoidea]
Unknown species 7408 7550
[Hemiptera: Lecaniidae]
Lecanium viridis 555
[Hemiptera: Scutelleridae]
Eurygaster 6010
[Thysanoptera: Thripidae]
Frankliniella occidentalis 3683 3688

Lecanicillium lecanii(?)

- [Diptera: Muscidae]
Haematobia irritans 5584 5585
[Hemiptera: Aleyrodidae]
Trialeurodes vaporariorum 4060
[Hemiptera: Aphididae]
Unknown species 5581
Diuraphis noxia 3882 3883 3884
[Hemiptera: Coccidae]
Coccus hesperidum 6289
[Hemiptera: Diaspididae]
Fiorinia externa 11815
[Lepidoptera: Tortricidae]
Cydia pomonella 1109
[Thysanoptera: Thripidae]
Frankliniella occidentalis 3689
Taeniothrips inconsequens 10195
Thrips tabaci 5580

Lecanicillium longisporum

- [Coleoptera: Staphylinidae]
Tachyporus hypnorum 4050
[Hemiptera: Aleyrodidae]
Trialeurodes vaporariorum 7206 7461
[Hemiptera: Aphididae]
Unknown species 974 7457 7458 7459
7783 7784 7923 8042
Macrosiphoniella sanborni 5126
Myzus persicae 1026
Rhopalosiphum nymphaeae 321
Toxoptera citricida 2460
[Thysanoptera: Thripidae]
Unknown species 3701

Lecanicillium muscarium

- [Araneida]
Unknown species 9467
[Coleoptera: Buprestidae]
Agrilus planipennis 8114 8118 8157
8163 8165
[Coleoptera: Curculionidae]
Unknown species 7248
Hypera postica 1328 1401 1402 1403
Pissodes strobi 8048 8049 8050 8051
8052 8053 8054
Sitona lineatus 4033

- [Coleoptera: Melyridae]
Malachius bipustulatus 1335
- [Coleoptera: Scolytidae]
Dendroctonus micans 4036 9267 9268
Ips 11803
- [Coleoptera: Tenebrionidae]
Tenebrio molitor 8923
- [Diptera]
Unknown species 7224 9470 10173
- [Diptera: Culicidae]
Ochlerotatus triseriatus 810
- [Diptera: Muscidae]
Musca domestica 5859
- [Diptera: Psychodidae]
Lutzomyia saulensis 3418
- [Diptera: Tipulidae]
Unknown species 2329
- [Hemiptera: Adelgidae]
Adelges tsugae 5165 5772 5778 5779
5780 5782 5791 5795 5798 5822
5828 6035 11818
- [Hemiptera: Aleyrodidae]
Unknown species 3709
Trialeurodes vaporariorum 972 5128
7460
- [Hemiptera: Aphididae]
Unknown species 2659 7034
Aphis fabae 7785
Diuraphis noxia 2862 2877 2878 3000
3861
Macrosiphum euphorbiae 204 2858
Myzus nr. persicae 2323 2325 2326
Myzus cerasi 6914
Myzus persicae 3324 7782 8714
Pemphigus betae 3464
Sitobion avenae 2334
- [Hemiptera: Cicadellidae]
Unknown species 7037
- [Hemiptera: Coccidae]
Ceroplastes 7375
Coccus viridis 1774 6792
Parthenolecanium 11736 12053
Parthenolecanium corni 8041
Pulvinaria floccifera 980
Saissetia oleae 1029
- [Hemiptera: Coccoidea]
Unknown species 7633
- [Hemiptera: Delphacidae]
Delphacodes kuscheli 7781
- [Hemiptera: Eriococcidae]
Cryptococcus fagisuga 3740
- [Hemiptera: Margarodidae]
Icerya purchasi 1033
- [Hemiptera: Pentatomidae]
Palomena prasina 11730 11731 11733
11734
- [Hemiptera: Scutelleridae]
Eurygaster 6118
- [Hymenoptera: Ichneumonidae]
Unknown species 1330
- [Lepidoptera]
Unknown species 7621 7738 9468 9469
9477 11802
- [Lepidoptera: Cossidae]
Cossula cossus 973 1102
- [Lepidoptera: Lymantriidae]
Lymantria dispar 2065 2066 3531 3600
3601
- [Lepidoptera: Pyralidae]
Galleria mellonella 7568
Ostrinia nubilalis 900
- [Lepidoptera: Tortricidae]
Adoxophyes orana 994
Cydia pomonella 6591
- [Pucciniales]
Unknown species 9471 9472
- [Pucciniales: Phragmidiaceae]
Phragmidium 7631
- [Thysanoptera: Thripidae]
Unknown species 2923
Frankliniella occidentalis 3684 3685
3686 3690 3691
Taeniothrips inconsequens 10178
- [Uredinales]
Hemileia vastatrix 6699
- Lecanicillium muscarium(?)**
- [Coleoptera: Buprestidae]
Agrius planipennis 8162
- [Coleoptera: Curculionidae]
Conotrachelus nenuphar 8265
- [Hemiptera: Adelgidae]
Adelges tsugae 5777 11816
- [Hemiptera: Aleyrodidae]
Unknown species 9464
- [Hemiptera: spf. Coccoidea]
Unknown species 9463
- [Lepidoptera: Tortricidae]
Cydia pomonella 1032
- [Pucciniales: Phragmidiaceae]
Phragmidium 9462
- [Thysanoptera: Thripidae]
Frankliniella occidentalis 3687
- Lecanicillium nodulosum**
- [Hemiptera: Aleyrodidae]
Bemisia tabaci 4064
- Lecanicillium nr. aranearum**
- [Coleoptera: Elateridae]
Unknown species 11811
- [Coleoptera: Lampyridae]
Unknown species 9460
- [Coleoptera: Scolytidae]
Ips 11799
- Lecanicillium nr. lecanii**
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 10190
- Lecanicillium pissodis**
- [Coleoptera: Curculionidae]
Pissodes strobi 8055 8056 8057
- Lecanicillium psalliotae**
- [Acari: Tenuipalpidae]
Raoiella indica 8890
- [Diptera]
Unknown species 10179
- [Diptera: Psychodidae]
Lutzomyia sordelli 3416
- [Hemiptera: Aleyrodidae]
Bemisia tabaci 5582 6436
- [Hemiptera: Aphididae]
Unknown species 9474
Sitobion avenae 2332
- [Hemiptera: Margarodidae]
Icerya aegyptica 6581 6582
- [Hemiptera: Pseudococcidae]
Rhizoecus 2234 2235
- [Hemiptera: Scutelleridae]
Eurygaster 5666 5681 5683 5763 5835
6071
- [Lepidoptera]
Unknown species 5685
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 10170
10175 10176 10177 10180 10181
10182 10187 10188 10189
- [Tylenchida: Heteroderidae]
Meloidogyne hapla 4960 4965
- [Uredinales]
Olivea colebrookeae 5249
- Lecanicillium psalliotae(?)**
- [Thysanoptera: Thripidae]
Taeniothrips inconsequens 10183
- Lecanicillium sp. 2(?)**
- [Coleoptera]
Unknown species 2832
- Lecanicillium wallacei(?)**
- [Diptera]
Unknown species 10172 10174
- Lecanicillium(?) sp.**
- [Hemiptera: Adelgidae]
Adelges tsugae 9369
- Lecophagus muscicola**
- [Bdelloida: Adinetidae]
Adineta 12621
- Legeriosimilis sp.**
- [Trichoptera]
Unknown species 9066
- Leptolegnia sp.**
- [Dorylaimida: Longidoridae]
Xiphinema 2004
- Leptolegnia chapmanii**
- [Diptera: Culicidae]
Aedes aegypti 6718 12817 12818 12819
12820 12827 12828 12829
Aedes albifasciatus 5499 7787
Culex 2682
Culex pipiens quinquefasciatus 2681
Mansonia titillans 2562 2680
- Macrobotophthora vermicola**
- [Rhabditida: Rhabditidae]
Cruzema lambdiense 650

Mariannaea elegans [Diptera] Unknown species 9455 9456	Metarhizium acridum [Orthoptera: Acrididae] Unknown species 5735 8609 <i>Austracris guttulosa</i> 324 4605 <i>Locusta migratoria capito</i> 5736 <i>Ornithacris cavroisi</i> 3341 7486 <i>Patanga succincta</i> 3609 <i>Schistocerca piceifrons</i> 5747 5748 5750	<i>Limonius canus</i> 7000 7001 7002 7003 7004 7005 7006 7007 7008 7009
Mariannaea pruinosa [Lepidoptera: Limacodidae] <i>Iragoides fasciata</i> 5413	[Orthoptera: Acrididae: Cyrtacanthacridinae] <i>Kraussaria angulifera</i> 3612 6421	[Coleoptera: Scarabaeidae] Unknown species 2163 3479 7527 7529 <i>Adoryphorus coultonii</i> 4137 4138 4141 4142 4239 4346 4677 4716 4722 7815
Mariannaea sp. [Hymenoptera: Vespidae] Unknown species 11814 [Thysanoptera: Thripidae] Unknown species 9932 9933 9934 11812 11813 <i>Taeniothrips inconsequens</i> 2930 3252 3257 3258 3261 3262 3263 3264 3265 3267 3268 3269 3270 3315 3316 3317 3549 3554 3555 3557 3558 3559 3562 3563 10150 10151 10152 10153 10185 10204 10205	[Orthoptera: Pyrgomorphidae] <i>Zonocerus elegans</i> 3391 <i>Zonocerus variegatus</i> 3615 3618	<i>Amphimallon majale</i> 9373 <i>Anoplognathus</i> 8764 <i>Anoplognathus hirsutus</i> 4574 4779 <i>Antitrogon consanguineus</i> 8761 <i>Antitrogon mussoni</i> 7842 7865 7931 <i>Antitrogon parvulus</i> 7496 7819 7839 7854 7864 8832 8833 8834 8893 <i>Aphodius tasmaniae</i> 4132 4133 4139 7845
Massospora cicadina [Hemiptera: Cicadidae] <i>Magiccada septendecim</i> 374	Metarhizium album [Hemiptera: Cicadellidae] Unknown species 2081 <i>Cofana spectra</i> 2082 <i>Nephotettix virescens</i> 1840 1941 1942 1943 2176 2178 <i>Recilia dorsalis</i> 2179	<i>Costelytra zealandica</i> 3057 <i>Cotinis nitida</i> 11951 <i>Cyclocephala</i> 8837 8838 <i>Dasygnathus dejeani</i> 8839 <i>Dermolepida albohirtum</i> 7492 8744 8754 8755 10469 <i>Heteronychus arator</i> 7932 7933 7934 7935 7936 8848 8849 <i>Heteronyx</i> 7843 7844 <i>Heteronyx piceus</i> 7451 8620 <i>Heteronyx rugosipennis</i> 8564 8610 <i>Lepidiota consobrina</i> 7827 7828 7846 8830 8831 8845 8850
Metapochonia bulbillosa [Diptera: Muscidae] Unknown species 11800	Metarhizium anisopliae [Diptera] Unknown species 9487	<i>Lepidiota frenchi</i> 7829 7830 7831 8733 <i>Lepidiota gibbifrons</i> 7824 7825 7826 <i>Lepidiota negatoria</i> 7832 <i>Lepidiota noxia</i> 7504 <i>Lepidiota picticollis</i> 8501 <i>Lepidiota squamulata</i> 7816 <i>Melolontha melolontha</i> 7532 <i>Oryctes</i> 2156 2165 2166 2167 <i>Pachnoda interrupta</i> 6670 6671 6672 6673 6674 6675 6677 6678 6679 6680 6682 6683 6684 6685
Metapochonia bulbillosa(?) [Coleoptera: Curculionidae] <i>Anthonomus musculus</i> 3035	Metarhizium anisopliae sensu lato [Coleoptera] Unknown species 4333 4334 4335 4336 4337 4338 4339 4341 4558 4572 4582 <i>Haphochelus marginalis</i> 3148	<i>Papuana</i> 8748 <i>Phyllopertha horticola</i> 6901 <i>Phyllophaga</i> 12798 <i>Phyllophaga ?anxia</i> 2135 2136 2137 2138 2139 <i>Phyllophaga anxia</i> 8499 <i>Popillia japonica</i> 1280 2548 3329 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 3713 3720 4907 4908 9372 <i>Rhopaea magnicornis</i> 8492 8765 8766 8767 8829 8844 <i>Rhopaea verreauxii</i> 8495 <i>Sericesthis micans</i> 4568 4777 4778 <i>Sericesthis nigrolineata</i> 4780 7814 7863 <i>Sericesthis</i> 4134 4236
Metarhiziopsis microspora [Hemiptera: Diaspididae] <i>Fiorinia externa</i> 8676 8984 8985 8986 8987 8988 11842 11843 11851	[Coleoptera: Bruchidae] Unknown species 932 954 [Coleoptera: Carabidae] Unknown species 939 1901 [Coleoptera: Cerambycidae] <i>Agrianome spinicollis</i> 7498 7499 7500 <i>Anoplophora glabripennis</i> 6388 6389 7180	<i>Sericesthis</i> 4134 4236 [Coleoptera: Staphylinidae] Unknown species 8734 [Coleoptera: Tenebrionidae] <i>Alphitobius diaperinus</i> 5837 5841 5842 5848 5850 <i>Tenebrio molitor</i> 8775 8776 8777 8778 8779 8780 8781 8782 8783 8784 8785 8786 8787 8788 8789 8790 8791 8792 8793 8794 8795 8796
Metarhizium sp. [Coleoptera: Chrysomelidae] Unknown species 11849 <i>Agelastica alni</i> 7643 [Coleoptera: Scarabaeidae] <i>Amphimallon solstitiale</i> 11668 11669 11685 11686 <i>Dermolepida albohirtum</i> 7493 <i>Phyllophaga</i> 12796 <i>Rhopaea magnicornis</i> 7495 8851 8852 8855 8856 8857	[Coleoptera: Chrysomelidae] <i>Brontispa longissima</i> 8745 8746 8747 <i>Ceratomyia arcuata</i> 760 2076 2077 2635 2941 <i>Diabrotica</i> 1885 2513 <i>Diabrotica speciosa</i> 1056 1958	
[Coleoptera: Scolytidae] <i>Hypothenemus hampei</i> 13088	[Coleoptera: Coccinellidae] <i>Coleomegilla maculata</i> 808	
[Hemiptera: Cicadellidae] Unknown species 2353	[Coleoptera: Curculionidae] Unknown species 8098 8099 <i>Blosyrus asellus</i> 9217 9218 <i>Chalcodermus aeneus</i> 725 929 <i>Desiantha diversipes</i> 8568 8569 <i>Geraeus senilis</i> 3305 3306 3308 <i>Listronotus maculicollis</i> 9374 <i>Otiorynchus ligustici</i> 4819 4820 4821 4822 4823 4824 <i>Otiorynchus sulcatus</i> 818 6549 <i>Rhabdoscelus obscurus</i> 8762 8828 8847 <i>Sternechus subsignatus</i> 1989	
[Hemiptera: Cicadidae] Unknown species 7645	[Coleoptera: Elateridae] Unknown species 11850 <i>Agriotes</i> 6551 7494 7524 <i>Agriotes sputator</i> 1377 <i>Conoderus</i> 1903	
[Hymenoptera: Cephidae] <i>Cephus cinctus</i> 12511 12516		
[Isoptera: Rhinotermitidae] <i>Reticulitermes speratus</i> 12563 12570		
[Lepidoptera: Pyralidae] <i>Galleria mellonella</i> 4997 4998 4999 5000 5001 5076 5077 12452 12453 12454 12455		
[Orthoptera: Catantopidae] <i>Calliptamus italicus</i> 8699		
[Orthoptera: Gryllidae] <i>Teleogryllus emma</i> 12567		
[Thysanoptera: Thripidae] Unknown species 11839		

8797 8798 8799 8858 8859 8860	<i>Tibraca limbativentres</i> 1882 2212 2213	[Orthoptera]
8861 8862 8863 8864 8865 8866	2214	Unknown species 728 6237
8867 8868 8869 8870 8871 8872	[Hymenoptera: Cephidae]	[Orthoptera: Acrididae]
8873 8874 8875 8876 8877 8878	<i>Cephus cinctus</i> 12466	<i>Oxya multidentata</i> 3619
8879 8880 8881 8882 8883 8884	[Hymenoptera: Encyrtidae]	<i>Phaulacridium vittatum</i> 7862
8885 8886 8887 8894 8895 8896	<i>Anagyrsus</i> 3146	<i>Schistocerca gregaria</i> 3127 5628
8897 8898 8899 8900 8901 8902	[Hymenoptera: Formicidae]	<i>Schistocerca piceifrons</i> 5746 5749 5752
8903 8904 8905 8906 8907 8908	<i>Atta</i> 2510	[Orthoptera: Catantopidae]
8909 8910 8911 8912 8913 8914	<i>Myrmica rubra</i> 7059 7535 7537 7538	<i>Calliptamus italicus</i> 8696 8698 8701
8915 8916 8941 8942 8943 8944	<i>Myrmica scabrinodis</i> 7536	8702
8945 8946 8947 8948 8949 8950	[Isoptera]	[Orthoptera: Gryllidae]
8951 8952 8953 8954 8955 9235	Unknown species 2949 2951	<i>Teleogryllus commodus</i> 435 438 440
9236 11945 11946 11947	[Isoptera: Kalotermitidae]	441 442 445 7489 7490 8760 8841
<i>Tribolium castaneum</i> 3389 5624	<i>Cryptotermes brevis</i> 7927 7928 7930	8842
[Diptera]	<i>Neotermes</i> 8731	[Orthoptera: Gryllotalpidae]
Unknown species 9939	[Isoptera: Mastotermitidae]	<i>Gryllotalpa gryllotalpa</i> 11694
[Diptera: Anthomyiidae]	<i>Mastotermes</i> 7506	[Phasmatodea: Phasmatidae]
<i>Delia floralis</i> 5520	[Isoptera: Rhinotermitidae]	Unknown species 6236
[Diptera: Culicidae]	<i>Coptotermes</i> 8063	[Primates: Hominidae]
<i>Ochlerotatus triseriatus</i> 3827	<i>Coptotermes formosanus</i> 6909 6910	<i>Homo sapiens</i> 8759
[Diptera: Ephydriidae]	6911 8015	[Thysanoptera: Thripidae]
? <i>Hydrellia</i> 2105	<i>Coptotermes lacteus</i> 8231 8232 8233	Unknown species 11840
<i>Scatella tenuicosta</i> 8248 8249	8234 8235 8236 8503 8504 8506	<i>Frankliniella occidentalis</i> 9591
[Diptera: Stratiomyidae]	8507 8508 8509 8510 8511 8512	<i>Taeniothrips inconsequens</i> 10135
<i>Boreoides tasmaniensis</i> 4600 4620	8513 8514 8516 8517 8518 8531	10136 10137
<i>Inopus rubriceps</i> 7840 7841 7855 7856	8532 8533 8535 8538 8539 8540	
7857 7858 7859 7860 7861 7914	8541 8575	
7915 7916 7917 7918 7919 7920	[Isoptera: Termitidae]	
7926	<i>Microcerotermes</i> 8591	
[Hemiptera]	<i>Nasutitermes exitiosus</i> 8070 8071 8100	
Unknown species 4901 4902	8229 8230	
[Hemiptera: Adelgidae]	[Lepidoptera]	
<i>Adelges tsugae</i> 9590	Unknown species 1094 2424 9541	
[Hemiptera: Aphididae]	[Lepidoptera: Hepialidae]	
<i>Diuraphis noxia</i> 3822	<i>Oncopera alboguttata</i> 7820 7821 7822	
<i>Pemphigus trehernei</i> 6570	7823	
[Hemiptera: Cercopidae]	<i>Oncopera intrucata</i> 4234	
Unknown species 1282 1299 1379 1382	[Lepidoptera: Lasiocampidae]	
1890 1891 1895 1899 1902 1911	<i>Malacosoma disstria</i> 6167	
3147 3307 7474 7475 7476 8376	[Lepidoptera: Noctuidae]	
8498 8527	<i>Helicoverpa zea</i> 11637	
<i>Aeneolamia varia</i> 6319 6342 6343 6345	<i>Spodoptera</i> 8735	
6346	<i>Spodoptera frugiperda</i> 3293	
<i>Deois</i> 2521	[Lepidoptera: Nymphalidae]	
<i>Deois flavopicta</i> 729 759 782 925 955	<i>Chlosyne lacinia saundersii</i> 1059	
1970	[Lepidoptera: Plutellidae]	
<i>Deois incompleta</i> 1449	<i>Plutella xylostella</i> 4522	
<i>Kanaima fluvialis</i> 8377	[Lepidoptera: Pyralidae]	
<i>Mahanarva posticata</i> 1896	<i>Diatraea saccharalis</i> 3290 3291 3292	
<i>Mahanarva sp.</i> 6321 6322	<i>Eoreuma loftini</i> 5469	
<i>Zulia carbonaria</i> 6457 6468	<i>Galleria mellonella</i> 4904 4905 4906	
<i>Zulia colombiana</i> 6356	5369 5513 5514 5515 5516 5517	
<i>Zulia pubescens</i> 6323	5518 5519 5521 5554 5555 5556	
[Hemiptera: Cicadellidae]	6475 6558 7014 7015 7016 7017	
<i>Recilia dorsalis</i> 543	7018 7019 7020 7021 7022 7023	
[Hemiptera: Cicadidae]	7024 7025 7026 7569 7570 7571	
Unknown species 4095	7572 7573 7612 7613 7614 7615	
[Hemiptera: Delphacidae]	7847 7967 8212 8334 8335 8336	
<i>Nilaparvata lugens</i> 457 485 486 487	8338 8341 8342 8344 8346 8347	
488 489 1284 1285 1286 1290 1300	8350 8351 8352 8353 8432 8433	
1304 1745 7644	8434 8435 8436 8437 8438 8440	
[Hemiptera: Pentatomidae]	8443 8445 8446 8447 8450 8451	
<i>Nezara viridula</i> 1055	8452 8453 8454 8660 8662 8665	
<i>Scotinophara coarctata</i> 1432 1548 2341	8669 8680 8681 8682 8683 8684	
2342 2343	8685 8686 8687 8688 8689 8690	
	8691 8692 8769 11661	
		[Orthoptera: Gryllidae]
		<i>Teleogryllus commodus</i> 435 438 440
		441 442 445 7489 7490 8760 8841
		8842
		[Orthoptera: Gryllotalpidae]
		<i>Gryllotalpa gryllotalpa</i> 11694
		[Phasmatodea: Phasmatidae]
		Unknown species 6236
		[Primates: Hominidae]
		<i>Homo sapiens</i> 8759
		[Thysanoptera: Thripidae]
		Unknown species 11840
		<i>Frankliniella occidentalis</i> 9591
		<i>Taeniothrips inconsequens</i> 10135
		10136 10137
		Metarhizium anisopliae sensu stricto
		[Coleoptera: Chrysomelidae]
		<i>Brontispa longissima</i> 2223
		[Coleoptera: Curculionidae]
		<i>Otiorynchus sulcatus</i> 6546
		[Coleoptera: Elateridae]
		<i>Conoderus</i> 2518
		[Coleoptera: Scarabaeidae]
		<i>Anomala</i> 8738
		<i>Heteronyx</i> 8586
		<i>Heteronyx piceus</i> 7450 8500 8615 8616
		8617
		<i>Holotrichia consanguinea</i> 10475
		<i>Holotrichia serrata</i> 10472 10476
		<i>Phyllophaga cuyabana</i> 3924
		[Diptera: Stratiomyidae]
		Unknown species 7418 7419 7423 7426
		7427 7428
		[Hemiptera: Cercopidae]
		Unknown species 1045 1912
		<i>Aeneolamia varia</i> 798 3621 6347
		<i>Deois flavopicta</i> 1044 1900 2517
		<i>Mahanarva fimbriolata</i> 7979 7981
		<i>Mahanarva posticata</i> 1894 2627 7980
		<i>Zulia pubescens</i> 6317 6318
		[Hemiptera: Cicadellidae]
		<i>Nephotettix virescens</i> 2153
		[Hemiptera: Delphacidae]
		<i>Nilaparvata lugens</i> 2080 2421
		[Hemiptera: Pentatomidae]
		Unknown species 755
		<i>Tibraca limbativentres</i> 1883
		[Isoptera: Mastotermitidae]
		<i>Mastotermes darwiniensis</i> 7430 8581
		8584 8585 8587 8588 8589
		[Isoptera: Rhinotermitidae]
		<i>Coptotermes</i> 8089 8093
		<i>Coptotermes acinaciformis</i> 8081 8087
		8088
		<i>Coptotermes frenchi</i> 8067

<i>Coptotermes lacteus</i> 7432 8072 8073 8074 8094 8095	[Coleoptera: Tenebrionidae] <i>Tenebrio molitor</i> 5626 <i>Tribolium castaneum</i> 5625	Metarhizium globosum [Lepidoptera: Pyralidae] <i>Pyrausta machaeralis</i> 2596
[Isoptera: Termitidae] <i>Microcerotermes</i> 8590 <i>Nasutitermes exitiosus</i> 8068 8075 8080 8082 8083 8084 8085 8086 8090 8091 8570	[Diptera: Culicidae] <i>Aedes crinifer</i> 2974 <i>Ochlerotatus triseriatus</i> 3826	Metarhizium guizhouense [Coleoptera: Curculionidae] <i>Mylocerus discolor</i> 3603 <i>Sitona discoideus</i> 819
[Lepidoptera: Noctuidae] <i>Helicoverpa zea</i> 1080 <i>Mocis</i> 587 <i>Spodoptera litura</i> 10473	[Hemiptera: Delphacidae] <i>Nilaparvata lugens</i> 455	[Coleoptera: Scarabaeidae] Unknown species 683 <i>Melolontha melolontha</i> 977 <i>Papuana woodlarkiana</i> 4604
[Lepidoptera: Pyralidae] <i>Eoreuma loftini</i> 5471 <i>Galleria mellonella</i> 8560 <i>Ostrinia nubilalis</i> 1489	[Hymenoptera: Formicidae] <i>Solenopsis invicta</i> 3738	[Diptera: Stratiomyidae] Unknown species 7420
[Orthoptera: Acrididae] <i>Schistocerca gregaria</i> 7487	[Isoptera: Rhinotermitidae] <i>Coptotermes formosanus</i> 3045 <i>Coptotermes lacteus</i> 8515 8534 8536 8537	[Lepidoptera] Unknown species 6238
[Orthoptera: Gryllotalpidae] Unknown species 2786	[Isoptera: Termitidae] <i>Nasutitermes exitiosus</i> 8069	[Lepidoptera: Bombycidae] <i>Bombyx mori</i> 703
Metarhizium anisopliae var. acridum	[Lepidoptera: Bombycidae] <i>Bombyx mori</i> 988	[Lepidoptera: Noctuidae] Unknown species 2140
[Orthoptera: Acrididae] Unknown species 5734 <i>Austracris guttulosa</i> 7970 8359	[Lepidoptera: Hepialidae] <i>Orycanus</i> 1187 <i>Wisana sp.</i> 4681	[Orthoptera: Acrididae] <i>Pseudosphingonotus savignyi</i> 3611
[Orthoptera: Acrididae: Cyrtacanthacridinae] <i>Kraussaria angulifera</i> 3614	[Lepidoptera: Lyonetiidae] <i>Leucoptera scitella</i> 1116	Metarhizium koreanum [Hemiptera: Delphacidae] <i>Nilaparvata lugens</i> 2038 2039
[Orthoptera: Pyrgomorphidae] <i>Zonocerus variegatus</i> 3606	[Lepidoptera: Noctuidae] <i>Anticarsia gemmatalis</i> 3295 <i>Spodoptera frugiperda</i> 3294	Metarhizium lepidiotae [Coleoptera: Scarabaeidae] <i>Dermolepida albohirtum</i> 7488 <i>Lepidiota consobrina</i> 7411 7412
Metarhizium anisopliae var. anisopliae	[Lepidoptera: Olethreutidae] <i>Carpocapsa pomonella</i> 1095	[Isoptera: Rhinotermitidae] <i>Coptotermes acinaciformis</i> 8064 <i>Coptotermes lacteus</i> 8502
[Diptera: Syrphidae] <i>Eumerus strigatus</i> 6550	[Lepidoptera: Pyralidae] <i>Galleria mellonella</i> 6474 8671	Metarhizium majus [Coleoptera: Scarabaeidae] Unknown species 1858 1859 <i>Anoplognathus</i> 4566 4601 7505 <i>Oryctes</i> 1914 <i>Oryctes rhinoceros</i> 978 1946 2151 3145 <i>Protaetia orientalis submarumorea</i> 12557 <i>Xyloryctes jamaicensis</i> 297 298
Metarhizium anisopliae var. lepidiotae	[Lepidoptera: Tortricidae] <i>Lobesia botrana</i> 1112	[Lepidoptera: Bombycidae] <i>Bombyx mori</i> 1015
[Coleoptera: Scarabaeidae] <i>Dermolepida albohirtum</i> 7453 <i>Lepidiota consobrina</i> 8732	[Orthoptera: Acrididae] Unknown species 8608 <i>Schistocerca piceifrons</i> 5751	[Lepidoptera: Noctuidae] <i>Spodoptera</i> 8736
Metarhizium brasiliense	Metarhizium carneum	Metarhizium marquandii [Thysanoptera: Thripidae] Unknown species 9928 9929
[Hemiptera: Cicadellidae] Unknown species 2948	[Coleoptera: Staphylinidae] Unknown species 11836	Metarhizium minus [Hemiptera: Cicadellidae] Unknown species 2339 <i>Nephotettix virescens</i> 1945 <i>Recilia dorsalis</i> 1546 1547
Metarhizium brunneum	[Thysanoptera: Thripidae] Unknown species 11821 <i>Taeniothrips inconsequens</i> 10232 10233	[Hemiptera: Delphacidae] <i>Nilaparvata lugens</i> 1099 1271 1272 1273 1274 1275 1276 1277 1279 1283 1287 1288 1289 1291 1292 1293 1294 1295 1296 1297 1301 1302 1303 1305 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 2037
[Acari: Ixodidae] <i>Boophilus</i> 3297 4556	Metarhizium cylindrosporum	[Orthoptera: Acrididae] Unknown species 2023
[Araneida] Unknown species 5851	[Hemiptera: Cicadidae] <i>Pomponia linearis</i> 6926	Metarhizium minus
[Coleoptera: Cerambycidae] <i>Anoplophora glabripennis</i> 6392 7234 8415 8416 8417 8418 8419	Metarhizium flavoviride	[Hemiptera: Delphacidae] <i>Nilaparvata lugens</i> 1099 1271 1272 1273 1274 1275 1276 1277 1279 1283 1287 1288 1289 1291 1292 1293 1294 1295 1296 1297 1301 1302 1303 1305 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 2037
[Coleoptera: Curculionidae] Unknown species 2210 2224 <i>Otiorhynchus sulcatus</i> 817 820 4228 5198 <i>Sitona lineatus</i> 4020	[Coleoptera: Curculionidae] <i>Ceutorhynchus macula-alba</i> 2133 <i>Otiorhynchus sulcatus</i> 1184 2024	[Orthoptera: Acrididae] Unknown species 2023
[Coleoptera: Elateridae] <i>Agriotes</i> 2107	[Coleoptera: Scarabaeidae] <i>Adoryphorus coulonii</i> 4719 4720 <i>Lachnosterna bidentata</i> 8737	
[Coleoptera: Scarabaeidae] Unknown species 472 <i>Aphodius tasmaniae</i> 346 4125 4131 <i>Diloboderus abderus</i> 6120 <i>Melolontha melolontha</i> 1066 <i>Phyllopertha horticola</i> 6477 <i>Popillia japonica</i> 3864	[Orthoptera: Acrididae] <i>Chortoicetes terminifera</i> 8758	
	Metarhizium frigidum	
	[Coleoptera: Scarabaeidae] <i>Adoryphorus</i> 4124	
	[Isoptera: Rhinotermitidae] <i>Coptotermes lacteus</i> 7436 7437 7438 7439 7440 7441 7442 7443 7444 7445 7446 7447 7448	

Host by Fungus

Metarhizium novozealandicum *Mixed Culture* sp.

Metarhizium novozealandicum

- [Coleoptera: Scarabaeidae]
Costelytra zealandica 3056
- [Lepidoptera: Crambidae]
Unknown species 3064 8214

Metarhizium pemphigi

- [Hemiptera: Aphididae]
Pemphigus 7491
Pemphigus trehernei 6569
- [Isoptera: Rhinotermitidae]
Reticulitermes flavipes 9358

Metarhizium pingshaense

- [Coleoptera]
Unknown species 3210 4290 4340 4342
4557 4610
- [Coleoptera: Cerambycidae]
Anoplophora glabripennis 8420
- [Coleoptera: Chrysomelidae]
Zygogramma bicolorata 2231
- [Coleoptera: Curculionidae]
Diaprepes abbreviata 5197
- [Coleoptera: Scarabaeidae]
Unknown species 2162
Anomala 8739 8740 8741 8742 8743
Antitrogus mussoni 7417
Antitrogus parvulus 7410
Costelytra zealandica 7435
Dermolepida albohirtum 7452
Heteronyx arator 8555
Heteronyx piceus 8618 8619 8621
Heteronyx rugosipennis 8566
Oryctes rhinoceros 538
Scapanes australis 3604
- [Diptera: Stratiomyidae]
Unknown species 7414 7421 7422 7425
7429
Inopus rubriceps 8497
- [Hemiptera: Cicadellidae]
Nephotettix cincticeps 2043
Nephotettix virescens 2106
- [Hemiptera: Cydnidae]
Scaptodes castanea 1448
- [Hemiptera: Delphacidae]
Nilaparvata lugens 456 576 1724 1725
1726 1727 1728 1729 1744 1823
- [Hemiptera: Pentatomidae]
Scotinophara coarctata 1545
- [Hemiptera: Pseudococcidae]
Paracoccus marginatus 9612 9613
- [Isoptera: Kalotermitidae]
Cryptotermes brevis 7929
- [Isoptera: Rhinotermitidae]
Coptotermes 8092
Coptotermes lacteus 7431 8059 8505
- [Isoptera: Termitidae]
Drepanotermes penniger 8062
Nasutitermes exitiosus 8061 8097
- [Lepidoptera]
Galactica 552
- [Lepidoptera: Noctuidae]
Spodoptera 2735
- [Orthoptera: Acrididae]
Acrotylus 3605
Phaulacridium vittatum 7415 7416
Pseudosphingonotus savignyi 3610

- [Orthoptera: Gryllidae]
Ornebius kanetataki 1009
Teleogryllus commodus 436 437 439
443 444 446
Teleogryllus emma 12566

Metarhizium rileyi

- [Hemiptera: Cercopidae]
Mahanarva posticata 1898
- [Hemiptera: Delphacidae]
Sogatella furcifera 558
- [Lepidoptera]
Unknown species 936 1879 1893
- [Lepidoptera: Bombycidae]
Bombyx mori 711
- [Lepidoptera: Lymantriidae]
Lymantria 481 482 483
- [Lepidoptera: Noctuidae]
Unknown species 135 6875 9489 9490
Alabama argillacea 7148
Anticarsia gemmatalis 1950 2013 2201
2202 2203 2204 2205 2207 2465
2466 2492 3940 5208 5209 5210
5211 5212 6732 6734 6736 6737
6738 6739 6740 6741 6742 6743
6744 6745 6746 6747 6748 6749
6764 6765 6766 6767 6775 6776
6777 6778 6779 6780 6782 6783
6784 6786 6787 6868 6869 6870
6872 6873 6874 6876 6877 6878
7052 7053 7054 7055 7056 7149
7150 7151 7479 7480 7481 7482
7484 7778 7779 7780
Helicoverpa armigera 2413 6239
Mocis frugalis 1762
Naranga 2345
Plathypena scabra 762 6871 6881
Plusia 1047
Plusiinae 6781 6785 6879
Prodenia litura 1014
Pseudoplusia includens 6866 6882
Rachiplusia nu 2206
Rivula atimeta 1756 1757 1758 1759
1760 2395
Spodoptera 323 358 380 935 6867
Spodoptera exigua 539
Spodoptera frugiperda 1972 3301 4094
6735 6768 6769 6770 6771 6772
6773 6774 11939 11941 11942
11943
Spodoptera litura 6645
- [Lepidoptera: Pyralidae]
Cnaphalocrocis medinalis 1761 2174

Metarhizium robertsii

- [Coleoptera: Carabidae]
Unknown species 2469
- [Coleoptera: Cerambycidae]
Dectes texanus 6472
- [Coleoptera: Chrysomelidae]
Cerotoma arcuata 724
Diabrotica 2514
- [Coleoptera: Curculionidae]
Curculio caryae 2575 3608
Listronotus oregonensis 2981
Otiorynchus sulcatus 1910

- [Coleoptera: Elateridae]
Unknown species 8543 8544 8545 8546
8547 8548
Conoderus 23 1897
- [Coleoptera: Scarabaeidae]
Ancognatha scarabaeoides 797
Heteronyx arator 7424 8549 8550
8551 8552 8553 8554 8556 8557
8576
Heteronyx 7449
Heteronyx piceus 8558 8559 8582 8583
8592
Heteronyx rugosipennis 8563 8565
8567 8577
Phyllophaga 12797 12799
Phyllophaga ?anzia 2134
Popillia japonica 1046 1298 1878 3721
5149
Rhizotrogus majalis 2547 3108 3211
4123
Strigoderma arboricola 1968
- [Coleoptera: Tenebrionidae]
Tribolium castaneum 3388
- [Hemiptera: Cicadidae]
Unknown species 3925
- [Hemiptera: Cydnidae]
?Cirtonemus 1952
- [Hymenoptera: Formicidae]
Atta seadens rubropilosa 2560
Solenopsis 2561
- [Isoptera: Kalotermitidae]
Kaloterms 7413
- [Isoptera: Rhinotermitidae]
Coptotermes lacteus 8542
Reticulitermes flavipes 9607
- [Isoptera: Termitidae]
Nasutitermes exitiosus 8060
- [Lepidoptera: Nymphalidae]
Chlosyne lacinia saundersii 1057
- [Lepidoptera: Plutellidae]
Plutella xylostella 5873
- [Lepidoptera: Pyralidae]
Galleria mellonella 4903 6476
- [Orthoptera: Tettigoniidae]
Unknown species 727

Metarhizium viridulum

- [Hemiptera: Cicadidae]
Cryptotympana facialis 6927

Microhilum oncoperae

- [Lepidoptera: Hepialidae]
Oncopera intricata 4358 4769 4770
4771

Mixed Culture sp.

- [Coleoptera]
Unknown species 11718
- [Coleoptera: Chrysomelidae]
Pyrrhalta fuscipennis 1043
- [Coleoptera: Lampyridae]
Unknown species 5188
- [Coleoptera: Scarabaeidae]
Amphimallon solstitiale 11676
Holotrichia parallela 4387
- [Hemiptera: Aleyrodidae]
Bemisia tabaci 4066

- Trialeurodes vaporariorum* 4403
[Lepidoptera: Pyralidae]
Corcyra cephalonica 2738
- Moelleriella umbospora**
[Hemiptera: Coccoidea]
Unknown species 11870 11871
- Monacrosporium cionopagum**
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4966
- Monacrosporium ellipsosporum**
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4957 4959
- Mortierella histoplasmatoides**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2063
- Mortierella hyalina**
[Lepidoptera: Lymantriidae]
Lymantria dispar 2061
- Mucor circinelloides**
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 6470
- Mucor fragilis**
[Araneae: Theridiidae]
Latrodectus geometricus 11762
- Mucor sp.**
[Hemiptera: Cercopidae]
Zulia vilior costarricensis 3535
- Myriangium sp.**
[Hemiptera: Adelgidae]
Adelges tsugae 9915 9916 9917 9918
9919 11856 11857 11858
[Hemiptera: Diaspididae]
Fiorinia externa 11852 11853 11854
11855
- Myriangium duriae**
[Hemiptera: Diaspididae]
Fiorinia externa 8924 8925
- Myriodontium keratinophilum**
[Hemiptera: Adelgidae]
Adelges tsugae 11838
[Hemiptera: Diaspididae]
Fiorinia externa 11837
[Isopoda: Oniscoidea]
Porcellio 368 386
[Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11698
- Myrothecium sp.**
[Isoptera: Termitidae]
Nasutitermes acajutlae 7804
- Myrothecium verrucaria**
[Diptera: Tipulidae]
Tipula 9359
- Nematoctonus sp.**
[Rhabditida: Rhabditidae]
Bunonema 5663
- Neobarya parasitica**
[Sordariales: Nitschkiaceae]
Bertia moriformis 6156
- Neozygites sp.**
[Acari: Tetranychidae]
Tetranychus urticae 662
- Neozygites floridana(?)**
[Acari: Tetranychidae]
Mononychellus tanajoa 6219 6220
6221
Tetranychus urticae 5201 5202 5376
- Neozygites parvispora**
[Thysanoptera: Thripidae]
Thrips tabaci 5620 5621
- Neozygites tetranychii**
[Acari: Tetranychidae]
Tetranychus althaeae 2677
- Nomuraea sp.**
[Lepidoptera: Noctuidae]
Unknown species 7851
- Nomuraea atypicola**
[Araneida]
Unknown species 9594
[Araneida: ?Argiopidae]
Unknown species 1904
[Araneida: Tetragnathidae]
Nephila clavipes 7231
- Ophiocordyceps aphodii**
[Coleoptera: Scarabaeidae]
Aphodius howitti 5498
- Ophiocordyceps bisporus**
[Isoptera: Termitidae]
Unknown species 3888
Macrotermes 4518 4843
- Ophiocordyceps heteropoda**
[Hemiptera: Cicadidae]
Cicadetta puer 1880
- Ophiocordyceps nutans**
[Heteroptera]
Unknown species 7220
- Ophiocordyceps variabilis**
[Diptera: Xylophagidae]
Unknown species 4080
Xylophagus sp. 5365 5366 5367 5414
5415 5416 5417 5418 5419 5420
5421 5422 5423 5424 5425 5426
5427 5428 5429
- Ostracoderma sp.**
[Taxales: Taxaceae]
Taxus sp. 5163
- Paecilomyces sp.**
[Araneida]
Unknown species 2354
[Araneida: Araneae]
Unknown species 5181 5183 5190
[Coleoptera: Curculionidae]
Unknown species 5184 5193
[Diptera]
Unknown species 2350 2378
[Diptera: Drosophilidae]
Unknown species 3768
[Hemiptera: Adelgidae]
Adelges tsugae 5179 5180
[Hemiptera: Aleyrodidae]
Bemisia argentifolii 5160
Bemisia tabaci 3772 3774 3775 3777
3780 3781 3782 3783 3784 3785
3786 3787 3788 3870 3871 3872
3873 3874 3875 3877 4985 4986
4987 4988 4989 5091 5092 5093
5094 5095 5096 5097 5098 5099
5100 5101 5102 5103 5104 5105
5106 5108 5109 5110 5111 5112
5114
[Hemiptera: Cicadellidae]
Recilia dorsalis 680
[Hemiptera: Pentatomidae]
Unknown species 7075
Nezara viridula 3101
[Hemiptera: Psyllidae]
Diaphorina citri 8316
[Hymenoptera]
Unknown species 8007 8008
[Hymenoptera: Tenthredinoidea]
Unknown species 6883
[Isoptera: Termitidae]
Nasutitermes acajutlae 7800 7801 7803
[Lepidoptera]
Unknown species 7721 7741 7742 7756
7995 8001
[Lepidoptera: Limacodidae]
Natada michonta 2616 2617 2618
[Lepidoptera: Noctuidae]
Sesamia inferens 1008
[Lepidoptera: Tortricidae]
Cydia pomonella 6193 6198
Epiphyas postvittana 309
[Opiliones]
Unknown species 5192
- Paecilomyces canadensis**
[Coleoptera: Scarabaeidae]
Heptophylla picea 984
[Lepidoptera: Lasiocampidae]
Gastropacha orientalis 990
- Paecilomyces crustaceus(?)**
[Hemiptera: Cercopidae]
Zulia carbonaria 6462 6467
- Paecilomyces lilacinus(?)**
[Hemiptera: Cercopidae]
Zulia carbonaria 6458
- Paecilomyces reniformis**
[Orthoptera: Tettigoniidae]
Unknown species 429 484 577 7040
7041

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Paecilomyces sinensis

[Lepidoptera: Hepialidae]
Unknown species 6284 6285

Pandora sp.

[Diptera]
Unknown species 5812
[Lepidoptera: Arctiidae]
Lophocampa caryae 11764
[Lepidoptera: Plutellidae]
Plutella xylostella 3201

Pandora blunckii

[Coleoptera: Elateridae]
Athalia rosae 915 917 920 1715 1716
1717 1718
[Lepidoptera: Plutellidae]
Plutella 3075
Plutella maculipennis 217
Plutella xylostella 1000 2824 3200 3202
6293 6294 6295 6296 6297 6298
6299 6300 6301 6302 6304 6305
6306 6307 6308 6309 6310 6311
6312 6316

Pandora delphacis

[Hemiptera: Cicadellidae]
Unknown species 1238 1936
Empoasca fabae 3072 3093 3094 3095
3096 3106 3107
Nephotettix cincticeps 458 459 460 461
478
Recilia dorsalis 659 660
[Hemiptera: Delphacidae]
Nilaparvata lugens 134 575 579 580
657 664 665 666 667 668 669 670
672 673 674 676 682 686 698 713
716 1124 1132 1133 1264 1268
1730 1731 2091
Sogatella furcifera 593 603 2092 2093
2095 2096 2409 6538 6539
Sogatodes pusanus 2094
[Hemiptera: Membracidae]
Spissistilus festinus 2028 3484
[Hemiptera: Miridae]
Unknown species 3062
[Lepidoptera: Noctuidae]
Mamestra brassicae 1265

Pandora dipterigena

[Diptera]
Unknown species 131 1720 1921 1923
[Diptera: ?Sciaridae]
Unknown species 1887
[Diptera: Brachycera]
Unknown species 1422
[Diptera: Nematocera]
Unknown species 397
[Trichoptera]
Unknown species 2406

Pandora heteropterae

[Hemiptera: Miridae]
Lygus lineolaris 9266

Pandora kondoiensis

[Hemiptera: Aphididae]
Acyrtosiphon kondoi 369 825 828 836
837

Pandora neoaphidis

[Hemiptera: Aphididae]
Unknown species 78 381 1695 1696
2016 2298 6902
Acyrtosiphon pisum 827 830 838 1598
1603 1605 1609 2017 2018 2583
2584 2585 2587 2588 2589 2591
2592 2593 2594 2754 2755 2756
2757 2758 2760 2761 2762 2763
2766 2767 2768 2769 2773 2781
2782 2783 2784 2837 2838 2839
2840 2842 2844 2845 2846 2847
2848 2851 2852 2853 2854 2855
2856 2865 2866 2867 2868 2870
2872 2873 3234 3237 3240 4934
6631 7937 11663
Aphidula 1610 1615
Aphis 128 3410
Aphis fabae 608 609 610 611 612 613
614 636 637 638 639 1606 1611
1981 1985 2019 2020 3238 3241
5995
Aphis glycines 7212 7213 7214 7226
8607
Brevicoryne brassicae 1613 1616 1617
1784 1785 1786 1824 1825 1826
1827 2108 2109 2110 2112 2114
2115 2116 2117 2118 2119 2120
2121 2122 2123 2124 2128 2280
2293 5371 5372 5373 5374
Dactynotus formosanus 1137
Diuraphis noxia 3081 3082 3126 3174
3175
Hyalopterus pruni 1596
Hyperomyzus lactucae 829 833 835
Macrosiphum 1607 1612
Macrosiphum akebiae 1134
Macrosiphum euphorbiae 181
Macrosiphum rosae 1986 1987
Metopolophium dirhodum 2874 2875
2876 3365 3367 5707 5708
Microlophium carnosum 7938 7939
Myzus 1601 1602
Myzus nicotinae 3411 3412 3459
Myzus persicae 1600 2085 2086 3248
3249 3250 3251 11662
Nasonovia ribisnigri 11862 11863
Schizaphis graminum 3366
Sitobion 1597 1604
Sitobion avenae 5403 6166
Uroleucon formosanus 993
[Hemiptera: Miridae]
Lygus 1570

Paraisaria dubia

[Coleoptera: Scarabaeidae: Melolonthinae]
Antitrogus rugulosus 5764

Penicillium sp.

[Acari: Ixodidae]
Ixodes scapularis 5733 6603
[Acari: Tetranychidae]
Tetranychus urticae 7974
[Coleoptera: Curculionidae]
Anthonomus musculus 3036
Chalcodermus bimaculatus 2950
[Coleoptera: Scarabaeidae]
Amphimallon solstitiale 11681 11683
[Diptera: Drosophilidae]
Drosophila 7976
[Hemiptera: Cercopidae]
Zulia colombiana 6357 6359
[Hemiptera: Ortheziidae]
Orthezia praelonga 2643
[Hymenoptera: Formicidae]
Unknown species 12048 12049
[Hymenoptera: Vespidae]
Vespula germanica 4148
[Lepidoptera: Hepialidae]
Oncopera alboguttata 4263
[Lepidoptera: Lymantriidae]
Lymantria dispar 2834 2836
[Orthoptera: Acrididae]
Hieroglyphus banian 5335

Penicillium sumatrense

[Hymenoptera: Formicidae]
Camponotus 7099

Penicillium thomii

[Lepidoptera: Lymantriidae]
Lymantria dispar 2056

Phialophora malorum

[Lepidoptera: Lymantriidae]
Lymantria dispar 2072

Phoma sp.

[Hemiptera: Adelgidae]
Adelges tsugae 9920 9923

Phoma cava

[Lepidoptera: Lymantriidae]
Lymantria dispar 2071

Pochonia sp.

[Bdelloida: Habrotrichidae]
Habrotricha elusa elusa 10261

Pochonia chlamydosporia

[Coleoptera: Scarabaeidae]
Unknown species 3314

Pochonia chlamydosporia var. chlamydosporia

[Coleoptera: Lagriidae]
Lagria vilosa 2218
[Diptera]
Unknown species 11786 11810
[Phthiraptera: Anoplura]
Unknown species 11801

Pochonia suchlasporia var. catenata

[Lepidoptera: Lymantriidae]
Lymantria dispar 2064

- Polycephalomyces** sp.
[Coleoptera]
Unknown species 9496
[Coleoptera: Carabidae]
Unknown species 9497
- Polycephalomyces formosus**
[Coleoptera: Carabidae]
Calosoma 1424
- Polycephalomyces ramosus**
[Hemiptera: Pentatomidae]
Unknown species 4858
[Lepidoptera]
Unknown species 7095
- Polycephalomyces tomentosus**
[Trichiales: Trichiaceae]
Hemitrichia serpula 5353
- Pseudogibellula formicarum**
[Hemiptera: Cercopidae]
Unknown species 2913
[Hemiptera: Flatidae ?]
Unknown species 5765 5766
- Pseudomeria mucosa**
[Bdelloida: Adinetidae]
Adineta 10262 10272
[Bdelloida: Habrotrichidae]
Habrotricha elusa 8993 9383
- Purpureocillium lilacinum**
[Araneida]
Unknown species 9528
[Coleoptera: Chrysomelidae]
Cerotoma 1951
[Coleoptera: Curculionidae]
Diaprepes abbreviata 410
[Coleoptera: Elateridae]
Unknown species 9524
[Coleoptera: Lagriidae]
Lagria vilosa 723 2952
[Coleoptera: Scarabaeidae]
Unknown species 6110
Popillia japonica 9371
[Coleoptera: Scolytidae]
Hypothenemus hampei 5876 5877 5880
5882 6188 6190
[Coleoptera: Tenebrionidae]
Tenebrio molitor 8918 8919 8920 8921
8922
[Hemiptera]
Unknown species 9604
[Hemiptera: Aleyrodidae]
Singhiella simplex 9610
Trialeurodes vaporariorum 3846
[Hemiptera: Aphididae]
Diuraphis noxia 6985
[Hemiptera: Cercopidae]
Deois flavopicta 2078 3481
Zulia pubescens 6340
[Hemiptera: Cicadellidae]
Unknown species 9523
[Hemiptera: Cicadidae]
Unknown species 6247
[Hemiptera: Pentatomidae]
Unknown species 531
- Edessa meditabunda* 10225
Scotinophara coarctata 763
Tibraca limbativentres 2215
[Hemiptera: Reduviidae]
Triatoma infestans 7478
[Hemiptera: Scutelleridae]
Eurygaster 6018 6021 6024 6026 6080
6081 6082 6084 6094 6114 6116
6117 6494 6502
[Hymenoptera: Formicidae]
Anoplolepis longipes 2155
Pogonomyrma occidentalis 7545 7546
7547 7548
[Isoptera: Termitidae]
Nasutitermes corniger 8456
[Lepidoptera: Bombycidae]
Bombyx mori 986
[Lepidoptera: Nymphalidae]
Chlosyne lacinia saundersii 1058
Opsiphanes cassinae 5805
[Lepidoptera: Plutellidae]
Plutella xylostella 6183 6197
[Lepidoptera: Pyralidae]
Galleria mellonella 8311 8312
[Tylenchida: Heteroderidae]
Meloidogyne 2181 2182 2183 2184 2185
2186 2233
- Ramicandelaber longisporus**
[Tylenchida: Heteroderidae]
Heterodera glycines 6175 6176
- Rhinoclediella(?) sp.**
[Hemiptera: Adelgidae]
Adelges tsugae 9365 9922
[Hemiptera: Coccidae]
Parthenolecanium 12080 12081 12082
- Rotiferophthora** sp.
[Bdelloida: Adinetidae]
Adineta 9544 10266 12624 12625 12626
12627 12628 12629 12630
[Bdelloida: Habrotrichidae]
Habrotricha 9545 9546 10265
Habrotricha elusa elusa 9542 9543
10263 10264
- Rotiferophthora angustispora**
[Bdelloida: Habrotrichidae]
Habrotricha elusa 8991
[Trichoptera]
Unknown species 9498
- Rotiferophthora barronii**
[Bdelloida: Adinetidae]
Adineta 10267
- Rotiferophthora cylindrospora**
[Bdelloida: Habrotrichidae]
Habrotricha 9547 9548
Habrotricha elusa elusa 8992 10273
- Rotiferophthora denticulospora**
[Bdelloida: Habrotrichidae]
Habrotricha 9549
- Rotiferophthora guttulaspora**
[Bdelloida: Habrotrichidae]
Habrotricha elusa 10269
- Rotiferophthora intermedia**
[Bdelloida: Habrotrichidae]
Habrotricha elusa 10270
- Rotiferophthora ovispora**
[Bdelloida: Habrotrichidae]
Habrotricha elusa elusa 10274
- Saprolegnia** sp.
[Diptera: Chironomidae]
Unknown species 6427
[Diptera: Simuliidae]
Unknown species 179 180
- Schizangiella** sp.
[Squamata: Colubridae]
Elaphe 2237 2239
- Schizangiella serpentis**
[Squamata: Colubridae]
Elaphe obsoleta 8000 8047
[Squamata: Viperidae]
Crotalus horridus 203
- Scopulariopsis** sp.
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 8421
[Coleoptera: Chrysomelidae]
Leptinotarsa decemlineata 2327
[Coleoptera: Curculionidae]
Unknown species 2169
[Coleoptera: Tenebrionidae]
Tenebrio molitor 11652
[Diptera: Calliphoridae]
Lucilia illustris 2328
[Hemiptera: Adelgidae]
Adelges tsugae 5164
[Hemiptera: Aleyrodidae]
Bemisia tabaci 8825 8826 8827
[Hemiptera: Pentatomidae]
Halyomorpha halys 10309 10310
[Lepidoptera: Lymantriidae]
Lymantria dispar 2255
[Lepidoptera: Plutellidae]
Plutella xylostella 3203
- Scopulariopsis brevicaulis**
[Lepidoptera: Pyralidae]
Galleria mellonella 9943
- Septobasidium carestianum**
[Hemiptera: spf. Coccoidea]
Unknown species 6473
- Simplicillium** sp.
[Hemiptera: Aleyrodidae]
Bemisia tabaci 6584
- Simplicillium lamellicola**
[Acari: Oribatidae]
Unknown species 1367
[Coleoptera: Carabidae]
Carabus 9479
[Diptera: Muscidae]
Unknown species 9480
[Hemiptera: Aleyrodidae]
Unknown species 9481
[Hemiptera: Pentatomidae]
Palomena prasina 11727 11728 11729
11732 11735 11737

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[Orthoptera: Acrididae] <i>Aiolopus longicornis</i> 6448	Smittium culicis [Diptera] Unknown species 9059	Smittium elongatum [Diptera: Chironomidae] Unknown species 9251
Simplicillium lamellicola (?) [Hemiptera: Pentatomidae] <i>Palomena prasina</i> 11738	[Diptera: Chironomidae] Unknown species 9011 9127 9129 <i>Chironomus</i> 9003 9045 9046 9142 <i>Corynoneura</i> 9007 9093 <i>Tanytarsus</i> 9125	Smittium fecundum [Diptera: Chironomidae] <i>Psectrocladius</i> 9022 9083
[Lepidoptera] Unknown species 11725	[Diptera: Culicidae] Unknown species 9010 9031 9057 9073 9123 9140 9141 <i>Aedes albifasciatus</i> 5432 9004 <i>Aedes sticticus</i> 9009 9130 <i>Culex</i> 9128 9149 <i>Culex pervigilans</i> 9074 <i>Culex renatoi</i> 5431	Smittium gravimetallum [Diptera: Chironomidae] <i>Dicrotendipes fumidus</i> 9029 9036 9264
Simplicillium lanosoniveum [Diptera: Culicidae] Unknown species 8822	[Diptera: Simuliidae] <i>Prosimulium</i> 9126 <i>Simulium vittatum</i> 9008	Smittium imitatum [Diptera: Simuliidae] <i>Simulium</i> 9033
[Hemiptera: Coccidae] <i>Parthenolecanium corni</i> 7623	[Diptera: Thaumaleidae] Unknown species 9084 9124 <i>Austrothaumalea</i> 9005 9041	Smittium lentaquaticum [Diptera: Chironomidae] <i>Chironomus</i> 9068 9253
[Hemiptera: Tingidae] <i>Leptopharsa heveae</i> 6430 6431 6432 6636 6637 6642	[Diptera: Tipulidae] Unknown species 9091 <i>Dactylobasis montana</i> 9143 <i>Limonia</i> 9006 9040	[Diptera: Culicidae] Unknown species 9082
Smittium sp. [Diptera] Unknown species 9051 9065 9088 9265	Smittium culicisoides [Diptera: Chironomidae] Unknown species 9044	Smittium megazygosporum [Diptera: Simuliidae] <i>Simulium vittatum</i> 6275 9037
[Diptera: Chironomidae] Unknown species 9034 9087 9145 <i>Orthocladius</i> 9121 9146 <i>Polypedilum</i> 9120 <i>Psectrocladius limbatellus</i> 9050 <i>Pseudokiefferiella</i> 9147 <i>Tanytarsus</i> 9035	Smittium culisetæ [Diptera: Ceratopogonidae] <i>Dasyhelea</i> 9097	Smittium megazygosporum (?) [Diptera: Chironomidae] <i>Orthocladius</i> 9027
[Diptera: Culicidae] Unknown species 9038 9079 9081 9148	[Diptera: Chironomidae] Unknown species 9132 <i>Chironomus alternans</i> 9025 <i>Orthocladius</i> 9114	Smittium morbosum [Diptera: Culicidae] <i>Ochlerotatus triseriatus</i> 9060 9061
[Diptera: Tipulidae] Unknown species 9086	[Diptera: Culicidae] Unknown species 9015 9024 9026 9058 9071 9075 9098 9109 9110 9111 9113 9247 <i>Aedes albopictus</i> 9013 9014 9047 9099 9100 9101 9104 9105 9106 <i>Aedes crinifer</i> 5200 9094 <i>Aedes vexans</i> 9016 9017 9102 9103 9246 <i>Culex</i> 9048 9107 9108 <i>Culex dolosus</i> 5430 9131 <i>Culex restuans</i> 9056 <i>Culiseta</i> 9062 9115 9133 <i>Culiseta impatiens</i> 9012 <i>Culiseta incidens</i> 9095 <i>Ochlerotatus japonicus</i> 9039 9069	Smittium mucronatum [Diptera] Unknown species 9063 [Diptera: Chironomidae] Unknown species 9067 9090 9144 <i>Psectrocladius sordidellus</i> 9028
[Plecoptera: Gripopterygidae] Unknown species 9119	[Diptera: Simuliidae] <i>Simulium vittatum</i> 6810 9018 9032 9096 9112	Smittium orthocladii [Diptera: Chironomidae] Unknown species 9080
Smittium acutum [Diptera: Chironomidae] Unknown species 9092	Smittium cylindrosporum [Diptera: Chironomidae] <i>Cricotopus</i> 9116 9248 9249	Smittium perforatum (?) [Diptera: Chironomidae] <i>Diamesa</i> 9055
Smittium angustum [Diptera: Chironomidae] <i>Tanytarsus</i> 9241	Smittium dipterorum [Diptera: Chironomidae] <i>Chironomus</i> 9250	Smittium phytotelmatum [Diptera: Chironomidae] <i>Chironomus</i> 9076
Smittium annulatum [Diptera: Simuliidae] Unknown species 9242	[Diptera: Simuliidae] Unknown species 9049 <i>Simulium</i> 9043 9118 9134 9137 9138 <i>Simulium uchidai</i> 9135	Smittium simulatum [Diptera: Tipulidae] <i>Aphrophila bidentata</i> 9042 9078 9117
Smittium caudatum [Diptera: Chironomidae] Unknown species 9000 9261	Smittium commune [Diptera: Chironomidae] Unknown species 9085 <i>Microtendipes</i> 9243 9244 9245	Smittium simuli [Diptera: Chironomidae] Unknown species 9019 9136 <i>Diamesa</i> 9139 [Diptera: Simuliidae] Unknown species 9049 <i>Simulium</i> 9043 9118 9134 9137 9138 <i>Simulium uchidai</i> 9135
Smittium coloradense [Diptera: Chironomidae] <i>Cricotopus</i> 9001 <i>Orthocladius</i> 9002		Smittium stenosporum [Diptera: Chironomidae] <i>Cricotopus</i> 9023

- Smittium tipulidarum**
[Diptera: Tipulidae]
Elliptera astigmatica 9052 9053 9054 9122
- Smittium tronadorium**
[Diptera: Chironomidae]
Paraheptagyia 9030
- Sorospora sp.**
[Orthoptera: Acrididae]
?Melanoplus 377
- Sorospora uvella**
[Coleoptera: Curculionidae]
Curculio caryae 1123
[Orthoptera: Gryllotalpidae]
Scapteriscus vicinus 1856
- Sporodiniella umbellata**
[Hemiptera: Jassidae]
Unknown species 5222
- Sporothrix sp.**
[Hemiptera: Cicadellidae]
Unknown species 7038
[Hemiptera: Delphacidae]
Unknown species 7042
Nilaparvata lugens 1908
[Hemiptera: Psyllidae]
Diaphorina citri 10230
- Sporothrix ghanensis**
[Hemiptera: Coccoidea]
Unknown species 9500
- Sporothrix insectorum**
[Coleoptera: Carabidae]
Carabus 9502
[Hymenoptera: Formicidae]
Paltothyreus tarsatus 2909 2918
[Lepidoptera]
Unknown species 6286 7924
[Lepidoptera: Pyralidae]
Unknown species 9501
- Stachybotrys sp.**
[Hemiptera: Aphididae]
Sitobion avenae 2863
- Sterile mycelium**
[Aphelenchida: Aphelenchoididae]
Aphelenchoides 3735
[Coleoptera: Cerambycidae]
Unknown species 4009
[Coleoptera: Scarabaeidae]
Adoryphorus coulunii 4243
[Hemiptera: Adelgidae]
Adelges tsugae 5819
[Hemiptera: Aleyrodidae]
Unknown species 3710 3711
Bemisia tabaci 3868
[Hemiptera: Aphididae]
Unknown species 3703 3705 3712
Brevicoryne brassicae 4376
[Hemiptera: Cercopidae]
Prosapia plagiata 4712
[Hemiptera: Cicadellidae]
Unknown species 3702
- [Hemiptera: Pentatomidae]
Scotinophara coarctata 1435
[Lepidoptera: Lymantriidae]
Lymantria dispar 2073
[Orthoptera: Gryllotalpidae]
Gryllotalpa gryllotalpa 11693
- Stilbella buquetii**
[Coleoptera: Curculionidae]
Artipes 2915
- Strongwellsea castrans**
[Diptera: Anthomyiidae]
Delia radicum 3282 3485
- Syngliocladium sp.**
[Diptera: Ulidiidae]
Tetanops myopaeformis 5217
- Syngliocladium tetanopsis**
[Diptera: Ulidiidae]
Tetanops myopaeformis 4972 5497 5577
- Synnematium jonesii**
[Coleoptera: Hispinae]
Promecotheca papuana 5664
- Tilachlidium sp.**
[Coleoptera: Chrysomelidae]
Unknown species 10132
[Coleoptera: Elateridae]
Unknown species 2415
- Tilletiopsis sp.**
[Hemiptera: Delphacidae]
Nilaparvata lugens 527 572 573
- Tolypocladium cylindrosporum**
[Araneida]
Unknown species 9503
[Coleoptera: Elateridae]
Unknown species 7456 7812
[Diptera: Anthomyiidae]
Delia floralis 5525 5526 5527 5528 5529 5530 5531 5532 5558 5559
[Diptera: Bibionidae]
Plecia nearctica 2912
[Diptera: Culicidae]
Unknown species 961 976 1027 1028 2911
Aedes australis 841
Aedes sierrensis 705 1580
[Hemiptera: Tingidae]
Leptopharsa heveae 6634
[Hymenoptera: Formicidae]
Myrmica rubra 7539
[Hymenoptera: Siridae]
Sirex noctilio 5538
[Lepidoptera: Noctuidae]
Unknown species 2777 2778
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10146
- Tolypocladium extinguis**
[Diptera: Mycetophilidae]
Arachnocampa luminosa 2921
- Tolypocladium inflatum**
[Acari: Oribatidae]
Mycobates 3278
[Coleoptera: Scarabaeidae: Aphodiinae]
Unknown species 4877 4878 4879 4880 4881 4882 4883 4884 4885 4886 4887 4888 4889 4890 4891 4892 4893 4894 4895 4896 4897 4898
[Diptera: Tachinidae]
Unknown species 3281
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 3321
- Torrubiella sp.**
[Araneida]
Unknown species 7223
- Torrubiella homopterorum**
[Hemiptera: Delphacidae]
Nilaparvata lugens 2045
- Torrubiella piperis**
[Hemiptera: Coccoidea]
Unknown species 7232
- Torrubiella ratticaudata**
[Araneida: Salticidae]
Euophrys ?trivittata 1915 1916
- Triacutus subcuticularis**
[Bdelloida: Adinetidae]
Adineta 10260
- Trichoderma sp.**
[Hemiptera: Cicadellidae]
Empoasca kraemeri 807
[Hemiptera: Diaspididae]
Unaspis citri 3084
[Hymenoptera: Formicidae]
Anoplolepis longipes 2160 2161
[Isoptera: Termitidae]
Unknown species 8634
[Lepidoptera: Pyralidae]
Elasmopalpus lignosellus 5730
[Thysanoptera: Thripidae]
Unknown species 9938
- Trichoderma lignorum**
[Hemiptera: Adelgidae]
Adelges tsugae 5176
- Trichoderma viride(?)**
[Hemiptera: Cercopidae]
Aeneolamia varia 6344
- Trichothecium sp.**
[Hemiptera: Cicadellidae]
Nephotettix bipunctata cincticeps 653
[Hemiptera: Miridae]
Adelphocoris 1217 1223
- Trichothecium roseum**
[Hemiptera: Aleyrodidae]
Unknown species 3708
[Hemiptera: Miridae]
Adelphocoris 1212 1226 1308 1639 1642
[Lepidoptera: Lymantriidae]
Lymantria dispar 2055

Host by Fungus

Tripospermum sp. [Hemiptera: Adelgidae] <i>Adelges tsugae</i> 9363	<i>Bemisia tabaci</i> 4065 4067 4069 4070 4071 4072 <i>Trialeurodes vaporariorum</i> 4061 6544 6547	Zoophthora occidentalis [Hemiptera: Aphididae] <i>Acyrtosiphon pisum</i> 2841 3027 3028 3029 3071 3073 <i>Macrosiphum euphorbiae</i> 207
Verticillium sp. [Coleoptera: Carabidae] Unknown species 6501 [Coleoptera: Dermestidae] Unknown species 6484 [Coleoptera: Scarabaeidae] Unknown species 6486 [Hemiptera: Aleyrodidae] <i>Trialeurodes vaporariorum</i> 4402 [Hemiptera: Aphididae] Unknown species 4194 4195 4203 4398 4399 <i>Myzus persicae</i> 4074 [Hemiptera: Margarodidae] <i>Icerya purchasi</i> 6580 [Hemiptera: Pentatomidae] <i>Aelia</i> 6500 [Hemiptera: Rhopalidae] Unknown species 6498 [Hemiptera: Scutelleridae] <i>Eurygaster</i> 6480 6485 [Thysanoptera: Thripidae] <i>Taeniothrips inconsequens</i> 3547 3550 3551 3552 3556 3561	[Hemiptera: Aphididae] Unknown species 4073 4416 4417 4418 4419 4420 4421 4422 4423 4453 4454 4455 4456 4457 5166 5809 <i>Aphis gossypii</i> 6541 <i>Brachycaudus helichrysi</i> 6540 <i>Brevicoryne brassicae</i> 5131 <i>Diuraphis noxia</i> 3862 3881 3902 3903 3904 3909 6606 <i>Macrosiphoniella sanborni</i> 6542 <i>Myzus persicae</i> 4075 4076 4077 4079 5130 6543 <i>Sitobion avenae</i> 2859 <i>Toxoptera citricida</i> 6144 6145 [Hemiptera: Coccidae] Unknown species 2916 <i>Coccus viridis</i> 5153 <i>Phytokermes hemichryphus</i> 4025 <i>Pulvinaria aurantii</i> 6287 6291 [Hemiptera: Eriococcidae] <i>Cryptococcus fagisuga</i> 3741 3742 3743 [Hemiptera: Scutelleridae] <i>Eurygaster</i> 6025 6068 6085 6479 [Hemiptera: Tingidae] <i>Leptopharsa heveae</i> 6651 [Hymenoptera: Formicidae] <i>Formica</i> sp. 5168 [Lepidoptera: Bombycidae] <i>Bombyx mori</i> 991 [Thysanoptera: Thripidae] Unknown species 6548 <i>Thrips tabaci</i> 5709 [Uredinales: Pucciniaceae] <i>Puccinia striiformis</i> 5221	Zoophthora phalloides [Hemiptera: Aphididae] <i>Brevicoryne brassicae</i> 2281 <i>Myzus rannaculinum</i> 352 Zoophthora phytonomi [Coleoptera: Curculionidae] <i>Hypera postica</i> 3342 3343 3344 <i>Hypera punctata</i> 202 2188 <i>Hypera variabilis</i> 113 191 192 Zoophthora radicans [Diptera] Unknown species 388 1337 2499 2500 2501 2503 2506 2523 2554 8466 [Diptera: Anthomyiidae] <i>Delia radicum</i> 2666 [Diptera: Nematocera] Unknown species 1336 1428 [Hemiptera: Aphididae] Unknown species 7455 7788 7789 <i>Acyrtosiphon pisum</i> 11859 <i>Aphis fabae</i> 7208 <i>Brachycaudus amygdalinus</i> 75 <i>Brevicoryne brassicae</i> 11861 <i>Capitophorus</i> 822 <i>Diuraphis noxia</i> 3163 <i>Drepanosiphum aceris</i> 914 1130 <i>Metopolophium dirhodum</i> 2811 <i>Nasonovia ribisnigri</i> 11860 <i>Therioaphis maculata</i> 103 104 105 106 107 108 109 110 111 112 114 139 237 238 239 359 370 379 823 <i>Therioaphis trifolii</i> f. <i>maculata</i> 3737 [Hemiptera: Cercopidae] Unknown species 800 [Hemiptera: Cicadellidae] Unknown species 1239 1263 1495 1587 1591 2196 2549 2551 2552 <i>Empoasca</i> 2241 2242 2243 2244 2245 2246 2282 2283 2284 2285 2286 2287 2288 2289 3623 <i>Empoasca fabae</i> 1018 1019 1020 1021 1261 1262 1938 2400 2550 2716 2717 2718 2719 2720 2977 2978 2979 2980 3104 3105 3283 3284 3355 3376 3377 3390 3697 4520 <i>Empoasca kraemeri</i> 789 790 1227 1228 1229 1231 1232 1233 1234 1236 1237 1492 1493 1494 1496 1497 1498 1499 1500 1501 1502 1503 1504 1541 1542 1543 1544 1581 1582 1583 1584 1585 1586 1588 1589 1590 1593 1594 1595 1928 1929 1930 1931 1932 1933 1934 1935 1937 2994 2995 2996 3002 3003 3004 3005 3006 3007 3008 3009 3010 3011 3012 3013 3026 <i>Empoasca vitis</i> 2696 2700 2701 2702 2703 2706 2708 2709 2712 2713
Verticillium epiphytum [Uredinales] <i>Hemileia vastatrix</i> 5250		
Verticillium insectorum [Coleoptera: Curculionidae] <i>Otiorhynchus sulcatus</i> 3715		
Verticillium lecanii [Araneida: Araneae] Unknown species 5167 [Coleoptera: Cantharidae] Unknown species 4048 [Coleoptera: Chrysomelidae] <i>Agelastica alni</i> 4022 [Coleoptera: Curculionidae] <i>Otiorhynchus sulcatus</i> 6545 [Coleoptera: Histeridae] <i>Carcinops pumilio</i> 5856 [Coleoptera: Scarabaeidae] <i>Aphodius fimetarius</i> 4047 [Coleoptera: Tenebrionidae] Unknown species 6487 <i>Alphitobius diaperinus</i> 5849 [Collembola: Sminthuridae] <i>Sminthurus viridis</i> 5852 [Diptera: Anthomyiidae] <i>Delia radicum</i> 5132 6554 [Diptera: Ephydriidae] <i>Scatella stagnalis</i> 6561 [Hemiptera] Unknown species 6290 [Hemiptera: Adelgidae] <i>Adelges tsugae</i> 5771 5781 5783 5786 5789 5793 5820 5821 5824 6045 6046 6047 6050 <i>Dreyfusia normanniana</i> 5854 [Hemiptera: Aleyrodidae] <i>Aleyrodes proletella</i> 5133	Verticillium pseudohepiterigenum [Hemiptera: Coccoidea: Asterolecaniidae] <i>Bambusaspis</i> sp. 5687 Zoophthora sp. [Dermaptera: Forficulidae] <i>Forficula auricularia</i> 3486 3487 3488 [Hemiptera: Aphididae] Unknown species 7454 Zoophthora anglica [Coleoptera: Carabidae] <i>Trechus quadristriatus</i> 1739 [Coleoptera: Elateridae] <i>Agriotes sputator</i> 396 2505 [Hemiptera: Miridae] <i>Notostira elongata</i> 916 926 Zoophthora aphidis [Hemiptera: Aphididae] <i>Anoecia corni</i> 425 Zoophthora lanceolata [Diptera: Brachycera] Unknown species 468 [Diptera: Nematocera] Unknown species 426 469	

3114 3116 3119 3149 3150 3151
 3159 3160 3162 3164 3165 3172
Hauptida distinguenda 2256 2257 2258
 2259 2260 2261 2262
Molopopterus theae 6605
Typhlocyba 3115 3170 3171
 [Hemiptera: Delphacidae]
Delphacodes striatella 1050
Nilaparvata lugens 685 1125 1136
 [Hemiptera: Miridae]
Dicyphus pallidus 389
 [Hemiptera: Pentatomidae]
Bagrada hilaris 12800 12801
 [Hemiptera: Psyllidae]
Psyllida etrioza 126
Trioza urticae 1719
 [Hymenoptera: Diprionidae]
Neodiprion tsugae 13
 [Lepidoptera]
 Unknown species 404
 [Lepidoptera: Gelechidae]
Tuta absoluta 6917
 [Lepidoptera: Gelechiidae]
Anacamptis humilis 4783
 [Lepidoptera: Geometridae]
Lambdina fiscellaria fiscellaria 72
 [Lepidoptera: Noctuidae]
Sesamia inferens 2411
Trichoplusia ni 6003
 [Lepidoptera: Pieridae]
Pieris brassicae 1341 1342 1343 1344
 1345 1346
 [Lepidoptera: Plutellidae]
Plutella xylostella 1048 1100 2732 2893
 3204 3205 3206 6303 6313 6314
 6315
 [Lepidoptera: Pyralidae]
Cnaphalocrocis medinalis 1699 2410
 [Lepidoptera: Tortricidae]
Choristoneura fumiferana 21 44 45 50
 52 88 141 142 143 144 145 146
 163 221 223 224 225 226 227 228
 229 230 231 232 233 234 235 407
Epinotia aporema 4781 4782 4784 4785
 5814
Merophyas divulsana 1082
Ptycholoma aeriferana 1674 1675
Tortrix viridana 68

Animalia

Arthropoda • Arachnida

Acari

- Brazil, São Paulo
Lecanicillium sp. 7373
Unidentified / Hyphomycetes 7374
- Hungary
Isaria fumosorosea 6610
- United Kingdom
Hirsutella kirchneri 5550
Hirsutella necatrix 5549
- USA, California
Hirsutella sp. 2795 2796 2797 2798
2801 2802 2803
Hirsutella thompsonii 2800
- USA, New York
Hirsutella brownorum 3509
Lecanicillium sp. 10217 10218
- USA, Vermont
Isaria farinosa 11825
Lecanicillium sp. 10164 10215
10216
Unidentified / Hyphomycetes
10281

Acari: Eriophyidae

- Abacarus hystrix*
United Kingdom
Hirsutella kirchneri 5551
Hirsutella sp. 970
- USA, Maryland
Hirsutella sp. 8999
- Acalitus vaccini*
USA, North Carolina
Hirsutella thompsonii var. *vinacea*
254
- Calacarus heveae*
Brazil, São Paulo
Hirsutella thompsonii 6633
- Colomerus novaehbridensis*
Papua New Guinea
Hirsutella thompsonii 258 414
- Eriophyes guerreronis*
Ivory Coast
Hirsutella thompsonii 257
- Jamaica
Hirsutella thompsonii 256
- Eriophyes sheldoni*
Zimbabwe
Hirsutella thompsonii 255 2459
- Phyllocoptura oleivora*
Argentina
Hirsutella thompsonii 2012 2464
- USA, Florida
Hirsutella thompsonii 137 241 253
- USA, Texas
Hirsutella thompsonii 259

Acari: Ixodidae

- Hungary
Beauveria bassiana 6967
- Boophilus* sp.
Mexico
Fusarium sp. 3296
Metarhizium brunneum 3297
- USA, Florida
Metarhizium brunneum 4556
- Ixodes ricinus*
Denmark
Isaria fumosorosea 7069
- Ixodes scapularis*
Aspergillus sp. 6898
Beauveria bassiana 6897
Gliocladium(?) sp. 6896 6895 6899
- Location not specified
Aspergillus ochraceus 3325
- USA, Minnesota
Beauveria pseudobassiana 8045
8046
- USA, New York
Aspergillus sp. 6604 6603
- USA, Rhode Island
Penicillium sp. 5733

Acari: Oribatidae

- Poland
Simplicillium lamellicola 1367
- Mycobates* sp.
Canada, Northwest Territories
Tolypocladium inflatum 3278

Acari: Tarsonemidae

- Philippines
Hirsutella thompsonii 1947

Acari: Tenuipalpidae

- Dolichotetranychus floridanus*
Costa Rica
Hirsutella thompsonii 3323
- Raoiella indica*
Saint Lucia
Lecanicillium psalliotae 8890

Acari: Tetranychidae

- Eotetranychus* sp.
USA, Florida
Cladosporium cladosporioides 3085
- Mononychellus tanajoa*
Benin
Hirsutella thompsonii var. *syn-nematosa* 5412
- Brazil, Bahia
Neozygites floridana(?) 6219 6220
6221
- Tetranychus* sp.
Ukraine
Hirsutella thompsonii 9457
- Tetranychus althaeae*
Czech Republic
Neozygites tetranychii 2677
- Tetranychus urticae*
Canada, British Columbia
Penicillium sp. 7974
- India
Cladosporium cladosporioides 9616
Lecanicillium aphanocladii 9615

- USA, New York
Neozygites floridana(?) 5201 5202
5376
- USA, North Carolina
Neozygites sp. 662
- USA, Virginia
Cladosporium sp. 6442 6443 6572

Acari: Uropodina

- Poland
Hirsutella haptospora 2226

Acari: Varroidae

- Varroa destructor*
France
Beauveria bassiana 8255
Beauveria pseudobassiana 8254
8256 8258
Beauveria varroae 8257 8259

Araneae: Theridiidae

- Latrodectus geometricus*
USA, Florida
Mucor fragilis 11762

Araneida

- Canada, Alberta
Conidiobolus coronatus 7010
- Denmark
Metarhizium brunneum 5851
- France
Beauveria sp. 1669
- Indonesia, Bali
Gibellula sp. 570
- Indonesia, Sumatera Utara
Conidiobolus coronatus 567
- Indonesia, Sumatera Utara, Sumatra
Gibellula sp. 569
- Location not specified
Unidentified sp. 3209
- Philippines
Isaria farinosa 2376
Paecilomyces sp. 2354
- Poland
Unidentified sp. 1419
- PR China
Nomuraea atypicola 9594
- Russian Federation
Beauveria bassiana 9446
Beauveria sp. 7582
Clonostachys rosea 9492
Engyodontium album 7712 9454
Engyodontium(?) sp. 9475
Isaria tenuipes 9533
Lecanicillium muscarium 9467
Purpureocillium lilacinum 9528
Tolypocladium cylindrosporum
9503
Torrubiella sp. 7223
- Solomon Islands
Lecanicillium lecanii 1905
- Sri Lanka
Gibellula pulchra 1732
- USA, Florida
Unidentified / Hyphomycetes 7345
- USA, New York
Gibellula sp. 8927
Hymenostilbe verrucosa 2002

Araneida: ?Argiopidae

Solomon Islands
Nomuraea atypicola 1904

Araneida: ?Pholcidae

USA, New York
Engyodontium album 6002

Araneida: Araneae

Ethiopia
Beauveria bassiana 6690
Beauveria sp. 6691
Kazakhstan
Aphanocladium album 6492
USA, Vermont
Beauveria bassiana 5172 5173
Beauveria sp. 5174 5187
Isaria farinosa 5191
Paecilomyces sp. 5181 5183 5190
Verticillium lecanii 5167

Araneida: Pholcidae

Pholcus phalangoides
USA, Ohio
Engyodontium araneorum 2929
2935

Araneida: Salticidae

Euophrys ?trivittata
Solomon Islands
Gibellula clavulifera var. *alba* 1909
Torrubiella ratticaudata 1915 1916

Araneida: Tetragnathidae

Nephila clavipes
USA, Georgia
Nomuraea atypicola 7231

Opiliones

USA, Vermont
Isaria farinosa 5194
Paecilomyces sp. 5192
Canada, Alberta
Conidiobolus coronatus 7012 7013

Arthropoda • Crustacea

France
Amoebidium parasiticum 9182
USA, California
Amoebidium parasiticum 9257

Isopoda: Oniscoidea

Porcellio sp.
USA, California
Conidiobolus sp. 1672
Myriodontium keratinophilum 368
386

Arthropoda • Entognatha

Collembola

Kyrgyz Republic
Isaria farinosa 6482
South Africa
Conidiobolus sp. 11867
USA, California
Hirsutella sp. 2799
USA, North Carolina
Conidiobolus coronatus 8023

Collembola: Sminthuridae

Sminthurus viridis
Denmark
Beauveria bassiana 5853
Verticillium lecanii 5852

Protura

USA, New York
Conidiobolus sp. 11763
USA, Vermont
Lecanicillium evansii(?) 11807

Arthropoda • Insecta

Blattodea: Blattellidae

Supella longipalpa
India
Aspergillus sp. 8284

Coleoptera

Argentina
Beauveria bassiana 7470
Belarus
Isaria sp. 9519
Brazil, Goiás
Beauveria bassiana 754
Brazil, Pará
Beauveria caledonica 2251
Canada, British Columbia
Beauveria bassiana 7972
Ethiopia
Beauveria bassiana 6692 6693 6695
6696 6697
France
Beauveria bassiana 1980
Unidentified sp. 1634
Ghana
Unidentified / Hyphomycetes 8641
India
Beauveria brongniartii 2660
Metarhizium pingshaense 3210
Location not specified
Beauveria bassiana 293 4382
Mexico
Lecanicillium sp. 2(?) 2832
Philippines
Beauveria bassiana 3197 3198 3199
Isaria farinosa 2355
Poland
Beauveria bassiana 301
PR China
Beauveria bassiana 7164
Isaria cateniobliqua 6244
Isaria fumosorosea 9602
Mixed Culture sp. 11718

Republic of Korea
Beauveria sp. 5697
Isaria fumosorosea 5694
Russian Federation
Beauveria bassiana 9444
Isaria fumosorosea 7716
Polycephalomyces sp. 9496
Turkey
Beauveria bassiana 10347
Beauveria pseudobassiana 5668
Beauveria sp. 5831

Ukraine

Beauveria sp. 7595
Isaria farinosa 9516

United Kingdom

Beauveria bassiana 6559 6560

USA, Florida

Beauveria bassiana 5979

USA, New York

Beauveria bassiana 350

USA, Texas

Isaria javanica 7119

USA, Vermont

Lecanicillium evansii(?) 11805

Solomon Islands

Metarhizium anisopliae sensu lato
4333 4334 4335 4336 4337 4338
4339 4341 4558 4572 4582
Metarhizium pingshaense 4290
4340 4342 4557 4610

Haphochelus marginalis

France

Metarhizium anisopliae sensu lato
3148

Coleoptera: Anthicidae

Anthicus floralis
Poland
Beauveria pseudobassiana 157

Coleoptera: Anthribidae

Araecerus fasciculatus
USA, Florida
Beauveria bassiana 413

Coleoptera: Bruchidae

Brazil, Goiás
Metarhizium anisopliae sensu lato
932
Brazil, Mato Grosso
Metarhizium anisopliae sensu lato
954
Caryedon serratus
France
Beauveria bassiana 1186

Coleoptera: Buprestidae

Kyrgyz Republic
Beauveria bassiana 6499
Agrilus planipennis
Canada, Ontario
Beauveria bassiana 10393 10394
10395 10396 10397 10398 10399
10400 10401 10402 10403 10404
10405 10406 10407 10408 10409
10410 10411 10412 10413 10414
10415 10416 10417 10418 10419
10420 10421 10422 10423 10424

10425 10426 10427 10428 10429	Russian Federation	<i>Beauveria bassiana</i> 6387 6390 7155
10430 10431 10432 10433 10434	<i>Beauveria bassiana</i> 7581	7156 7157 7166 7167 7168 7169
10435 10436 10437 10438 10439	USA, Vermont	7170 7171 7172 7173 7174 7175
10440 10441 10442 10443 10444	<i>Hirsutella thompsonii</i> 11819	7176 7177 7178 8414
10445 10446 10447 10448 10449	<i>Isaria farinosa</i> 11831	<i>Metarhizium pingshaense</i> 8420
10450 10451 10452 10453 10454	USA, Washington	<i>Scopulariopsis</i> sp. 8421
10455 10456 10457 10458 10459	<i>Beauveria bassiana</i> 3386	USA, Connecticut
10460 10461 10462 10463 10464	Uzbekistan	<i>Beauveria bassiana</i> 6393
10465 10466 10467 10468	<i>Beauveria bassiana</i> 6059 6099	<i>Metarhizium anisopliae</i> sensu lato
USA, Michigan	<i>Agonum dorsale</i>	6388
<i>Beauveria bassiana</i> 8771 8772 8773	Denmark	<i>Metarhizium brunneum</i> 6392 7234
8774	<i>Isaria farinosa</i> 4029 4044	8415 8416 8417 8418 8419
<i>Beauveria</i> sp. 8110 8111 8112 8113	<i>Amara familiaris</i>	USA, Illinois
8116 8117 8119 8120 8121 8122	Denmark	<i>Beauveria bassiana</i> 7152 7153 7154
8123 8124 8125 8126 8127 8128	<i>Beauveria bassiana</i> 4034	<i>Metarhizium anisopliae</i> sensu lato
8129 8130 8132 8133 8134 8135	<i>Amara plebeja</i>	7180
8136 8137 8138 8139 8140 8141	Denmark	USA, Massachusetts
8143 8144 8145 8146 8147 8148	<i>Beauveria bassiana</i> 4031	<i>Metarhizium anisopliae</i> sensu lato
8149 8150 8151 8152 8153 8154	<i>Bembidion lampros</i>	6389
8156 8158 8159 8160 8161 8164	Denmark	USA, Michigan
8166 8167 8168 8169 8170 8171	<i>Beauveria bassiana</i> 4032	<i>Aspergillus flavus</i> 6469
8172 8173 8174 8175 8176 8177	<i>Isaria farinosa</i> 4043	<i>Mucor circinelloides</i> 6470
8178 8180 8181 8182 8185 8186	<i>Calosoma</i> sp.	USA, New York
8187 8188 8131	Poland	<i>Beauveria bassiana</i> 6391 7158 7159
<i>Isaria farinosa</i> 9944 9945	<i>Polycephalomyces formosus</i> 1424	7179 8412 8413
<i>Isaria fumosorosea</i> 8142	<i>Carabus</i> sp.	<i>Isaria farinosa</i> 8411
<i>Lecanicillium lecanii</i> 8115	Russian Federation	<i>Anoplophora malasiaca</i>
<i>Lecanicillium muscarium</i> 8114 8118	<i>Sporothrix insectorum</i> 9502	Japan
8157 8163 8165	Ukraine	<i>Beauveria brongniartii</i> 6235 6412
<i>Lecanicillium muscarium</i> (?) 8162	<i>Simplicillium lamellicola</i> 9479	<i>Aromia moschata</i>
Unidentified / Hyphomycetes 8155	<i>Hapalus</i> sp.	Italy
8179 8183 8184	Denmark	<i>Beauveria bassiana</i> 1559 1560 1561
Coleoptera: Cantharidae	<i>Isaria farinosa</i> 4045	1562 1563
Denmark	<i>Trechus quadristriatus</i>	<i>Dectes texanus</i>
<i>Batkoa</i> sp. 5810 2664	United Kingdom	USA, Kansas
<i>Verticillium lecanii</i> 4048	<i>Zoophthora anglica</i> 1739	<i>Beauveria bassiana</i> 6471
USA, New York	Coleoptera: Cerambycidae	<i>Metarhizium robertsii</i> 6472
<i>Erynia</i> sp. 5352	Brazil, Ceará	<i>Enaphalodes rufulus</i>
<i>Rhagonycha fulva</i>	<i>Beauveria bassiana</i> 785	USA, Arkansas
Denmark	Denmark	<i>Beauveria bassiana</i> 7404
<i>Erynia</i> sp. 2525 2536 2537 2538	Sterile mycelium 4009	<i>Moechotypa diphysis</i>
2539 2553 2663	Ecuador	Japan
Coleoptera: Carabidae	<i>Beauveria pseudobassiana</i> 2557	<i>Beauveria bassiana</i> 1678
Belarus	France	<i>Monochamus alternatus</i>
<i>Polycephalomyces</i> sp. 9497	<i>Beauveria bassiana</i> 5072	Japan
Brazil, Goiás	<i>Isaria farinosa</i> 5073 5074 5075 5080	<i>Beauveria bassiana</i> 1679
<i>Metarhizium anisopliae</i> sensu lato	Japan	<i>Monochamus scutellatus</i>
939	<i>Harposporium janus</i> 5601	USA, Michigan
Brazil, Mato Grosso	Mexico	<i>Beauveria bassiana</i> 7162 7163
<i>Beauveria bassiana</i> 952	<i>Beauveria bassiana</i> 319	<i>Niphonoclea</i> sp.
Brazil, Pará	Republic of Korea	Philippines
<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 6721 7251 7261	<i>Beauveria brongniartii</i> 1431
1901	7266 7275	<i>Ortholeptura valida</i>
Ethiopia	<i>Isaria farinosa</i> 7276	USA, Oregon
<i>Beauveria bassiana</i> 6689	Russian Federation	<i>Beauveria bassiana</i> 5997
France	<i>Beauveria bassiana</i> 9442	<i>Phoracantha semipunctata</i>
<i>Beauveria bassiana</i> 1975	USA, Rhode Island	Malawi
Kazakhstan	<i>Beauveria bassiana</i> 318	<i>Beauveria malawiensis</i> 7760
<i>Verticillium</i> sp. 6501	<i>Agrianome spinicollis</i>	<i>Plectrodera scalator</i>
Mexico	Australia	USA, Michigan
<i>Metarhizium robertsii</i> 2469	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 7160 7161 7165
Republic of Korea	7498 7499 7500	<i>Lecanicillium lecanii</i> 7181 7182
<i>Beauveria bassiana</i> 7241 7270	<i>Anoplophora glabripennis</i>	<i>Psacotha hilaris</i>
<i>Beauveria brongniartii</i> 7268	PR China	Japan
	<i>Beauveria amorpha</i> (?) 6827	<i>Beauveria amorpha</i> 1680
		<i>Beauveria bassiana</i> 1041

<i>Tetropium fuscum</i>	<i>Metarhizium robertsii</i> 724	USA, Nebraska
Norway	<i>Crimissa</i> sp.	<i>Beauveria bassiana</i> 3111
<i>Beauveria bassiana</i> 11660	Brazil, Ceará	<i>Diabrotica virgifera virgifera</i>
Coleoptera: Chrysomelidae	<i>Beauveria bassiana</i> 786 788 805	Mexico
Australia	<i>Crimissa cruralis</i>	<i>Beauveria bassiana</i> 9297 9298 9299
<i>Beauveria bassiana</i> 8835 8836	Brazil, Ceará	9300 9301 9302
<i>Isaria fumosorosea</i> 8840	<i>Beauveria bassiana</i> 4001	<i>Galerucella</i> sp.
Brazil, Goiás	<i>Diabrotica</i> sp.	USA, Texas
<i>Beauveria bassiana</i> 1971	Brazil	<i>Beauveria bassiana</i> 5465
Kazakhstan	<i>Beauveria bassiana</i> 3219	<i>Galerucina</i> sp.
<i>Isaria farinosa</i> 6491	Brazil, Amazonas	France
Mexico	<i>Beauveria bassiana</i> 2512	<i>Beauveria bassiana</i> 2463
<i>Beauveria bassiana</i> (?) 6890 6891	Brazil, Goiás	<i>Leptinotarsa decemlineata</i>
Nepal	<i>Beauveria bassiana</i> 956 2938 2942	Canada, Ontario
<i>Cordyceps scarabaeicola</i> 7277 7278	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 5807
Republic of Kazakhstan	1885 2513	Canada, Québec
<i>Beauveria bassiana</i> 10350	<i>Metarhizium robertsii</i> 2514	<i>Beauveria bassiana</i> 2987 2988 2989
Republic of Korea	Brazil, Mato Grosso	2990 2991
<i>Beauveria bassiana</i> 7244 7247 7271	<i>Beauveria bassiana</i> 946 947 948 949	Commonwealth of Independent States
7272	950 982	<i>Beauveria bassiana</i> 2695
<i>Beauveria sungii</i> 7279 7280	Colombia	France
USA, Florida	<i>Beauveria bassiana</i> 721	<i>Beauveria bassiana</i> 149 384 1982
<i>Tilachlidium</i> sp. 10132	Mexico	<i>Scopulariopsis</i> sp. 2327
USA, Vermont	<i>Beauveria bassiana</i> 3287	Germany
<i>Beauveria bassiana</i> 11844	<i>Diabrotica balteata</i>	<i>Beauveria bassiana</i> 340
<i>Metarhizium</i> sp. 11849	Mexico	Italy
Vietnam	<i>Beauveria bassiana</i> 3309	<i>Beauveria bassiana</i> 1106
<i>Beauveria bassiana</i> sensu stricto	<i>Diabrotica barberi</i>	Location not specified
751	USA, South Dakota	<i>Beauveria bassiana</i> 5286
Yugoslavia, Serbia	<i>Beauveria bassiana</i> 2579	Unidentified sp. 3724
<i>Beauveria bassiana</i> 504	<i>Diabrotica paranaensis</i>	Russian Federation
<i>Agelastica alni</i>	Brazil, Goiás	<i>Beauveria bassiana</i> 9441
Denmark	<i>Beauveria bassiana</i> 739 752 758 809	USA, Maine
<i>Verticillium lecanii</i> 4022	Brazil, Mato Grosso	<i>Beauveria bassiana</i> 33 252 353
Republic of Georgia	<i>Beauveria bassiana</i> 937 938	USA, Maryland
<i>Evlachovaea kintrischica</i> 7218 8058	<i>Diabrotica speciosa</i>	<i>Beauveria bassiana</i> 8998
Russian Federation	Argentina	USA, Michigan
<i>Metarhizium</i> sp. 7643	<i>Beauveria bassiana</i> 2515 8373	<i>Aspergillus</i> sp. 6571
<i>Basilepta fulvicornis</i>	Brazil, Alagoas	<i>Beauveria bassiana</i> 5813
India	<i>Beauveria bassiana</i> 1954	USA, New York
<i>Beauveria</i> sp. 8250	Brazil, Bahia	<i>Beauveria bassiana</i> 534 535 1039
<i>Brontispa longissima</i>	<i>Beauveria bassiana</i> 1961	1081 1619 1620 1621 1622 1623
Australia	<i>Metarhizium anisopliae</i> sensu lato	1624 1704 1705 1706 1707 1708
<i>Metarhizium anisopliae</i> sensu lato	1958	1709 1710 1711 1712 1713 1721
8745 8746 8747	Brazil, Goiás	1722 1723 1749 1750 1775 1776
Western Samoa	<i>Beauveria bassiana</i> 928 1476 2625	1777 1778 1779 1780 1781 2030
<i>Metarhizium anisopliae</i> sensu	2626	2031 2032 5533 5534 5535 5536
stricto 2223	Brazil, Paraná	5537 6986 6987 6988
<i>Cerotoma</i> sp.	<i>Beauveria bassiana</i> 958 1060 1453	USA, Rhode Island
Brazil, Mato Grosso	1454 1455 1461 1462 1463 1466	<i>Beauveria bassiana</i> 317
<i>Beauveria bassiana</i> 951	1469 2511 2520	USA, Washington
Brazil, Paraná	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 344 1079
<i>Beauveria bassiana</i> 1458	1056	Yugoslavia
Brazil, Rio de Janeiro	Brazil, Rio Grande do Sul	<i>Beauveria bassiana</i> 505 506 507 510
<i>Purpureocillium lilacinum</i> 1951	<i>Beauveria bassiana</i> 1456 1459 1460	Yugoslavia, Croatia
Brazil, Santa Catarina	1464 1465 1475	<i>Beauveria bassiana</i> 509
<i>Beauveria bassiana</i> 1467	Brazil, Santa Catarina	<i>Lilioceris lili</i>
<i>Cerotoma arcuata</i>	<i>Beauveria bassiana</i> 1470 1471 1472	<i>Beauveria bassiana</i> 5195
Brazil, Amazonas	1473	Denmark
<i>Beauveria bassiana</i> 731 732 756	<i>Diabrotica undecimpunctata</i>	<i>Fusarium</i> sp. 4011
Brazil, Bahia	USA, Oregon	<i>Maecolaspis monrosi</i>
<i>Beauveria bassiana</i> 2075	<i>Beauveria bassiana</i> 201	Argentina
Brazil, Goiás	<i>Diabrotica virgifera</i>	<i>Beauveria bassiana</i> 2509
<i>Beauveria bassiana</i> 931 934	Mexico	
<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 2330	
760 2076 2077 2635 2941		

Fungus by Host and Location

Coleoptera: Chrysomelidae

Coleoptera: Curculionidae

- Notonata* sp.
Costa Rica
Beauveria bassiana 3437 3438 3439
3441 3442 3444 3446 3447 3450
3451 3452 3455
- Odontota dorsalis*
Beauveria bassiana 5553
- Oulema melanopus*
France
Unidentified sp. 3980
- Pachybrachis pallicornis*
Malaysia
Beauveria sp. 547
- Paropsis charybdis*
New Zealand
Beauveria pseudobassiana 3066
- Phyllotreta nigripes*
Denmark
Unidentified sp. 4037
- Pyrrhalta fuscipennis*
Japan
Mixed Culture sp. 1043
- Pyrrhalta luteola*
France
Beauveria bassiana 1509 1510 1511
1518 1519
Isaria farinosa 1507 1508
Isaria fumosorosea 1506
Lecanicillium lecanii 1505
- Pyrrhalta viburni*
Russian Federation
Beauveria bassiana 9449
- Spaethiella* sp.
Brazil, Amazonas
Isaria fumosorosea 2956
- Systema* sp.
Brazil, Goiás
Beauveria bassiana 2079
- Xanthogaleruca luteola*
Argentina
Beauveria bassiana 5501
- Zygogramma bicolorata*
India
Metarhizium pingshaense 2231
- Coleoptera: Chrysomelidae: Hispinae**
Beauveria bassiana 8494
- Coleoptera: Coccinellidae**
Beauveria bassiana 11878
- Republic of Korea
Beauveria sp. 4853
- Russian Federation
Beauveria sp. 7591
- Turkey
Beauveria pseudobassiana 5678
Beauveria sp. 5833
Isaria farinosa 5754 5834
Unidentified / Hyphomycetes 5677
- Uzbekistan
Beauveria bassiana 6055 6061 6062
6063 6074 6075 6092 6095 6111
6112
- Coccinella* sp.
USA, New York
Beauveria bassiana 2033 2034
- Coccinella septempunctata*
Denmark
Beauveria bassiana 4018
Beauveria sp. 4027
Location not specified
Beauveria bassiana 3534
- Ukraine
Isaria fumosorosea 9521
- USA, Michigan
Beauveria bassiana 2580
- Coleomegilla maculata*
Brazil, Alagoas
Beauveria bassiana 1956
- Brazil, Goiás
Metarhizium anisopliae sensu lato
808
- Cycloneda sanguinea*
Argentina
Beauveria bassiana 2010 8372 8462
8463
- Henosepilachna vigintioctopunctata*
PR China
Beauveria lii 11741
- Hippodamia convergens*
Mexico
Unidentified sp. 3821
- USA, New York
Beauveria bassiana 4973 4974 4975
- Coleoptera: Cucujidae: Silvaninae**
Ahasverus advena
Denmark
Beauveria bassiana 5857
- Coleoptera: Curculionidae**
Metarhizium anisopliae sensu lato
8098 8099
- Argentina
Beauveria bassiana 7202 7466 7471
8520 8521 8522 8523 8524 8525
8526 8530
Beauveria sp. 7463
- Brazil, Goiás
Beauveria bassiana 930
- Brazil, Paraná
Beauveria bassiana 1061
- Denmark
Beauveria bassiana 4052
- Indonesia, Sulawesi Selatan, Celebes
Aspergillus parasiticus 2173
Metarhizium brunneum 2210
Unidentified / Hyphomycetes 2225
- Papua New Guinea
Scopulariopsis sp. 2169
- PR China
Isaria cateniannulata 6241
- Republic of Korea
Beauveria bassiana 2040
Lecanicillium muscarium 7248
Unidentified / Hyphomycetes 5695
- USA, Hawai'i
Beauveria bassiana 8705
- USA, New York
Beauveria bassiana 6216 6217
- USA, Vermont
Isaria farinosa 11830
- Paecilomyces* sp. 5184 5193
- Canada, British Columbia
Beauveria bassiana 7978
- Indonesia
Metarhizium brunneum 2224
- United Kingdom
Beauveria bassiana 7769
- USA, New York
Beauveria bassiana 3667
- Anthonomus grandis*
Brazil
Beauveria sp. 1835
- Brazil, São Paulo
Beauveria bassiana 1966 2559 2638
2639 2945 2946
- USA, Texas
Aspergillus sp. 7048
Beauveria bassiana 3097 7795
- Anthonomus musculus*
USA, Massachusetts
Beauveria bassiana 3037
Penicillium sp. 3036
Metapochonia bulbilosa(?) 3035
- USA, New Jersey
Fusarium sp. 3030 3031 3032
- Apion* sp.
Denmark
Beauveria bassiana 4023
- Aracanthus* sp.
Brazil, Ceará
Beauveria bassiana 753
- Brazil, Rio Grande do Sul
Unidentified sp. 3478
- Artipes* sp.
USA, Florida
Stilbella buquetii 2915
- Barypeithes pellucida*
USA, New York
Beauveria brongniartii 6213 6214
6215
- Blosyrus asellus*
USA, Hawaii
Metarhizium anisopliae sensu lato
9217 9218
- Brachyderes incanus*
Netherlands
Hirsutella fusiformis 5474
- PR China
Isaria cateniannulata 6243
- Ceutorhynchus litura*
Location not specified
Beauveria bassiana 3403
- Ceutorhynchus macula-alba*
Czech Republic
Metarhizium flavoviride 2133
- Ceutorhynchus napi*
Switzerland
Conidiobolus coronatus 1572 1573
1574 1575
- Chalcodermus* sp.
Brazil, Mato Grosso
Beauveria bassiana 941 942 943
953

- Chalcodermus aeneus*
Brazil, Goiás
Beauveria bassiana 733 734 735 736
738
Metarhizium anisopliae sensu lato
725 929
USA, Georgia
Beauveria bassiana 336 337
Fusarium proliferatum 2568 2569
- Chalcodermus bimaculatus*
Brazil, Goiás
Penicillium sp. 2950
- Cotrachelus nenuphar*
Location not specified
Beauveria bassiana 1016
USA, Michigan
Beauveria bassiana 8260 8261 8262
8263
Fusarium proliferatum 8267
Fusarium sp. 8266
Lecanicillium muscarium(?) 8265
- Cosmopolites* sp.
Brazil
Beauveria bassiana 1833
- Cosmopolites sordidus*
Brazil, Espírito Santo
Beauveria bassiana 1483
West Africa
Beauveria bassiana 4798 4799
- Curculio caryae*
USA
Metarhizium robertsii 3608
USA, Arkansas
Sorospora uvela 1123
USA, Georgia
Beauveria bassiana 2676
USA, South Carolina
Metarhizium robertsii 2575
- Cyrtospistomus castaneus*
USA, Kentucky
Beauveria bassiana 2270
Beauveria brongniartii 2271
- Desiantha diversipes*
Metarhizium anisopliae sensu lato
8568 8569
- Diaprepes abbreviata*
Location not specified
Beauveria bassiana 433
USA, Florida
Aspergillus nidulans(?) 6515
Beauveria bassiana 412 416
Cladosporium sphaerospermum
6516
Metarhizium pingshaense 5197
Purpureocillium lilacinum 410
- Geraeus senilis*
Mexico
Beauveria bassiana 3310 3311
Metarhizium anisopliae sensu lato
3305 3306 3308
- Heilipodus erythropus*
Argentina
Beauveria bassiana 8461
- Hylurgus ligniperda*
Uruguay
Fusarium sp. 12461
- Hypera postica*
Denmark
Beauveria bassiana 4038 4049
France
Acremonium furcatum 1372
Aphanocladium album 1329
Beauveria bassiana 1389 1398 1399
1515
Beauveria sp. 1327
Lecanicillium muscarium 1328 1401
1402 1403
USA, Illinois
Zoophthora phytonomi 3342 3343
3344
USA, Montana
Beauveria bassiana sensu lato
12434 12435 12436 12437 12439
12440 12441 12442 12443 12445
12448 12449 12450 12451 12517
12518 12519 12520 12521 12522
USA, North Dakota
Beauveria bassiana sensu lato
12444 12446 12447
- Hypera punctata*
USA, Delaware
Zoophthora phytonomi 2188
USA, New York
Zoophthora phytonomi 202
- Hypera variabilis*
Israel
Conidiobolus osmodes 79
Conidiobolus sp. 80 81
Zoophthora phytonomi 113 191 192
- Larinus* sp.
Switzerland
Beauveria varroae 2694
- Listronotus maculicollis*
USA, New York
Metarhizium anisopliae sensu lato
9374
- Listronotus oregonensis*
Canada, Québec
Beauveria bassiana 2983 2984 2985
2986
Metarhizium robertsii 2981
- Litodactylus leucogaster*
USA, Florida
Isaria javanica 322
- Metamasius* sp.
Colombia
Beauveria bassiana 842
- Metamasius callizona*
USA, Florida
Beauveria bassiana 5986
- Metamasius hemipterus*
Brazil, Paraná
Beauveria bassiana 2642
- Myllocerus discolor*
India
Metarhizium guizhouense 3603
- Oryzophagus oryzae*
Brazil, Rio Grande do Sul
Beauveria bassiana 3098
- Otiorhynchus ligustici*
Hungary
Beauveria bassiana 6884 6885
- USA, New York
Fusarium commune 4825
Metarhizium anisopliae sensu lato
4819 4820 4821 4822 4823 4824
- Otiorhynchus sulcatus*
Australia
Metarhizium brunneum 4228
- France
Beauveria bassiana 815 1073 1074
1075
Beauveria pseudobassiana 813 814
Metarhizium anisopliae sensu lato
818
Metarhizium brunneum 817 820
Metarhizium flavoviride 1184 2024
- Germany
Metarhizium brunneum 5198
Metarhizium robertsii 1910
- Location not specified
Verticillium insectorum 3715
- New Zealand
Beauveria bassiana 8078
Beauveria pseudobassiana 3065
- United Kingdom
Beauveria bassiana 6552 7763
Metarhizium anisopliae sensu lato
6549
Metarhizium anisopliae sensu
stricto 6546
Verticillium lecanii 6545
- USA, Oregon
Isaria farinosa 2937
- Phlyctinus callosus*
Australia
Beauveria bassiana 8756 8757
- Pissodes strobi*
Canada, British Columbia
Lecanicillium muscarium 8048 8049
8050 8051 8052 8053 8054
Lecanicillium pissodis 8055 8056
8057
- Premnotryes latithorax*
Peru
Beauveria bassiana 5983 5984
- Premnotrypes suturicallus*
Peru
Beauveria amorpha 1969
- Premnotrypes vorax*
Colombia
Beauveria bassiana 2248
Isaria farinosa 799
- Rhabdoscelus obscurus*
Australia
Metarhizium anisopliae sensu lato
8762 8828 8847
- Rhynchites aequatus*
Denmark
Beauveria bassiana 8037
- Rhynchites baccus*
Turkey
Beauveria bassiana 8668
- Rhynchophorus ferrugineus*
Iran
Beauveria bassiana 6903

- Shirahoshizo insidiosus*
Japan
Beauveria sp. 1681
- Sitona* sp.
France
Beauveria bassiana 1647
- New Zealand
Beauveria bassiana 8077
Beauveria pseudobassiana 3063
- Sitona discoideus*
France
Beauveria bassiana 816 1185 1191
Metarhizium quizhouense 819
- Morocco
Beauveria bassiana 1153 1154 1155
1163 1164 1171 1172 1173 1174
1175 1176 1177 1178 1179 1180
1181 1183 1188 1189 1190 1309
1311 1312 1313 1811 1815 1816
1817 1818 1819 1820 1821
Fusarium proliferatum 1310
- Sitona humeralis*
France
Beauveria bassiana 1491
- Sitona lineatus*
Denmark
Beauveria bassiana 4013 4015 4016
4019 4021 4041
Isaria farinosa 4039
Lecanicillium muscarium 4033
Metarhizium brunneum 4020
- France
Beauveria bassiana 1156 1157 1158
1159 1160 1161 1162 1165 1167
1168 1169 1170 1182 1192 1193
1194 1306
- Sitophilus* sp.
United Kingdom
Beauveria bassiana 7764 7773 7774
- Sitophilus oryzae*
Republic of Korea
Cordyceps sp. 4852
- Sternechus subsignatus*
Brazil, Paraná
Beauveria bassiana 1450
Metarhizium anisopliae sensu lato
1989
- Brazil, Rio Grande do Sul
Unidentified sp. 3471
- Coleoptera: Curculionidae: Apioninae**
Cylas formicarius elegantulus
Peru
Beauveria bassiana 5982
- USA, Florida
Beauveria bassiana 5981
- Coleoptera: Curculionidae: Scolytinae**
Xylosandrus compactus
USA, Hawai'i
Beauveria bassiana 12620
- Coleoptera: Dermestidae**
Kazakhstan
Verticillium sp. 6484
- Coleoptera: Elateridae**
Australia
Metarhizium robertsii 8543 8544
8545 8546 8547 8548
- Belarus
Purpureocillium lilacinum 9524
Lecanicillium fungicola 9483
- Brazil, Ceará
Beauveria bassiana 784 804
- Canada, British Columbia
Tolypocladium cylindrosporium
7456
- France
Beauveria bassiana 150
- Japan
Tilachlidium sp. 2415
- Russian Federation
Beauveria brongniartii 9452
Beauveria sp. 7580 7635 7636
Tolypocladium cylindrosporium
7812
- Turkey
Beauveria bassiana 5670
- USA, New York
Lecanicillium nr. *aranearum* 11811
Metarhizium anisopliae sensu lato
11850
- Agriotes* sp.
Germany
Evlachovaea sp. 7403
- Switzerland
Metarhizium anisopliae sensu lato
7524
- United Kingdom
Metarhizium anisopliae sensu lato
6551
- USA, Oregon
Metarhizium anisopliae sensu lato
7494
Metarhizium brunneum 2107
- Agriotes sputator*
Denmark
Zoophthora anglica 2505
- Switzerland
Metarhizium anisopliae sensu lato
1377
Zoophthora anglica 396
- Athalia rosae*
Switzerland
Pandora blunckii 915 917 920 1715
1716 1717 1718
- Conoderus* sp.
New Zealand
Metarhizium anisopliae sensu
stricto 2518
- USA
Metarhizium anisopliae sensu lato
1903
- USA, California
Metarhizium robertsii 1897
- USA, North Carolina
Metarhizium robertsii 23
- Limonius canus*
USA, Washington
Metarhizium anisopliae sensu lato
7000 7001 7002 7003 7004 7005
7006 7007 7008 7009
- Coleoptera: Hispinae**
Promecotheca papuana
Papua New Guinea
Synnematium jonesii 5664
- Coleoptera: Histeridae**
Carcinops pumilio
Denmark
Verticillium lecanii 5856
- Coleoptera: Lagriidae**
Lagria vilosa
Brazil
Isaria amoenerosea 4097
- Brazil, Alagoas
Isaria farinosa 1957
- Brazil, Goiás
Beauveria bassiana 2961
Isaria amoenerosea 741 744 2220
2958 2959 2960
Isaria fumosorosea 722 2216 2217
2219 2221
Purpureocillium lilacinum 723 2952
Pochonia chlamydosporia var.
chlamydosporia 2218
- Coleoptera: Lampyridae**
Russian Federation
Isaria coleopterorum 9509
Lecanicillium nr. *aranearum* 9460
- USA, Vermont
Beauveria sp. 5186 5188
Cratomorphus diaphanus
Argentina
Beauveria bassiana 8464
- Coleoptera: Languriidae**
Costa Rica
Beauveria bassiana 3457
- Coleoptera: Meloidae**
Republic of Korea
Isaria amoenerosea 4849
- Coleoptera: Melolonthidae**
Hoplochelus marginalis
France
Beauveria hoplocheli 13021
- Coleoptera: Melyridae**
Malachius bipustulatus
Poland
Lecanicillium muscarium 1335
- Coleoptera: Nitidulidae**
Australia
Beauveria bassiana 325
- Coleoptera: Pythidae**
Pytho sp.
Canada, British Columbia
Beauveria bassiana 1854

Coleoptera: Rhizophagidae

Rhizophagus grandis

Belgium

Beauveria bassiana 1848

Coleoptera: Scarabaeidae

Australia

Metarhizium brunneum 472

Brazil, Distrito Federal

Metarhizium anisopliae sensu lato
3479

Ethiopia

Beauveria bassiana 6686

Kazakhstan

Isaria farinosa 6488 6489

Kyrgyz Republic

Verticillium sp. 6486

Location not specified

Beauveria brongniartii 4380 4381

Nepal

Metarhizium anisopliae sensu lato
7527 7529

Papua New Guinea

Metarhizium anisopliae sensu lato
2163*Metarhizium pingshaense* 2162

Poland

Metarhizium majus 1858 1859

PR China

Metarhizium guizhouense 683

Republic of Korea

Beauveria bassiana 7264*Beauveria sungii* 5689

Russian Federation

Clonostachys rosea 9491*Cordyceps* sp. 7848*Engyodontium rectidentatum* 7805

Syria

Purpureocillium lilacinum 6110

Turkey

Beauveria pseudobassiana 5669

USA, Vermont

Pochonia chlamydosporia 3314

Uzbekistan

Beauveria bassiana 6058*Adoryphorus* sp.

Australia

Metarhizium frigidum 4124*Adoryphorus coulouii**Metarhizium anisopliae* sensu lato
4142 4239

Australia

Beauveria amorpha 4149*Beauveria bassiana* 4135 4136*Beauveria pseudobassiana* 4274

4721

Metarhizium anisopliae sensu lato

4137 4138 4141 4346 4677 4716

4722 7815

Metarhizium flavoviride 4719 4720

Sterile mycelium 4243

Amphimallon majale

USA, New York

Metarhizium anisopliae sensu lato
9373*Amphimallon solstitialis*

Denmark

Beauveria caledonica 8024

Turkey

Clonostachys rosea 11678 11682
11687*Fusarium* sp. 11670 11671 11672

11673 11674 11675 11677 11679

11680 11684 11676 11668 11669

11685 11686 11681 11683

Ancognatha scarabaeoides

Colombia

Beauveria bassiana 2249 2250*Metarhizium robertsii* 797*Anomala costata*

Japan

Beauveria amorpha 1676*Beauveria brongniartii* 985*Anomala cuprea**Cordyceps brongniartii* 7517

Japan

Beauveria bassiana 1683*Beauveria* sp. 1682*Cordyceps brongniartii* 7516*Anomala* sp.

Myanmar

Metarhizium anisopliae sensu

stricto 8738

Metarhizium pingshaense 8739

8740 8741 8742 8743

Anoplognathus sp.

Australia

Beauveria bassiana 8763*Metarhizium anisopliae* sensu lato

8764

Metarhizium majus 4566 4601 7505*Anoplognathus hirsutus*

Australia

Metarhizium anisopliae sensu lato

4574 4779

Antitrogon consanguineus

Australia

Metarhizium anisopliae sensu lato

8761

Antitrogon mussoni

Australia

Metarhizium anisopliae sensu lato

7842 7865 7931

Metarhizium pingshaense 7417*Antitrogon parvulus*

Australia

Metarhizium anisopliae sensu lato

8832 8893

Australia

Metarhizium anisopliae sensu lato

7496 7819 7839 7854 7864 8833

8834

Metarhizium pingshaense 7410*Aphodius fimetarius*

Denmark

Verticillium lecanii 4047*Aphodius howitti*

Location not specified

Ophiocordyceps aphodii 5498*Aphodius tasmaniae*

Australia

Metarhizium anisopliae sensu lato

4132 4133 4139 7845

Metarhizium brunneum 346 4125

4131

Unidentified sp. 4140

New Zealand

Beauveria bassiana 8079*Beauveria pseudobassiana* 3070*Cochliotus melolonthoides*

Tanzania

Unidentified / Hyphomycetes

11666

Costelytra zealandica

Netherlands

Beauveria brongniartii 7761

New Zealand

Beauveria brongniartii 3054*Beauveria pseudobassiana* 3055*Metarhizium anisopliae* sensu lato

3057

Metarhizium novozealandicum

3056

Metarhizium pingshaense 7435*Cotinis nitida*

USA, Georgia

Metarhizium anisopliae sensu lato

11951

Cyclocephala sp.

Australia

Metarhizium anisopliae sensu lato

8837 8838

Dasygnathus dejeani

Australia

Metarhizium anisopliae sensu lato

8839

*Dermolepida albohirtum**Metarhizium anisopliae* sensu lato

7492

Metarhizium sp. 7493

Australia

Metarhizium anisopliae var. *lepid-**iotae* 7453*Metarhizium anisopliae* sensu lato

8744 8754 8755 10469

Metarhizium lepidiotae 7488*Metarhizium pingshaense* 7452*Diloboderus abderus*

Argentina

Metarhizium brunneum 6120*Heptophylla picea*

Japan

Paecilomyces canadensis 984*Heteronychus arator*

Australia

Metarhizium anisopliae sensu lato

7932 7933 7934 7935 7936 8848

8849

Metarhizium pingshaense 8555*Metarhizium robertsii* 7424 8549

8550 8551 8552 8553 8554 8556

8557 8576

<i>Heteronyx</i> sp.	<i>Lepidiota negatoria</i>	<i>Phyllophaga</i> sp.
Australia	Australia	Mexico
<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 5740 5741 5742
7843 7844	7832	5743 5744 5745
<i>Metarhizium anisopliae</i> sensu	<i>Lepidiota noxia</i>	USA, Oklahoma
stricto 8586	Australia	<i>Beauveria</i> sp. 12793 12794 12795
<i>Metarhizium robertsii</i> 7449	<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato
<i>Heteronyx piceus</i>	7504	12798
Australia	<i>Lepidiota picticollis</i>	<i>Metarhizium robertsii</i> 12797 12799
<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium anisopliae</i> sensu lato	<i>Metarhizium</i> sp. 12796
7451 8620	8501	<i>Phyllophaga ?anxia</i>
<i>Metarhizium anisopliae</i> sensu	<i>Lepidiota squamulata</i>	Canada
stricto 7450 8500 8615 8616 8617	Australia	<i>Metarhizium anisopliae</i> sensu lato
<i>Metarhizium pingshaense</i> 8618	<i>Metarhizium anisopliae</i> sensu lato	2135 2136 2137 2138 2139
8619 8621	7816	<i>Metarhizium robertsii</i> 2134
<i>Metarhizium robertsii</i> 8558 8559	<i>Melolontha</i> sp.	<i>Phyllophaga anxia</i>
8582 8583 8592	Germany	Canada
<i>Heteronyx rugosipennis</i>	<i>Beauveria brongniartii</i> 5355 5356	<i>Metarhizium anisopliae</i> sensu lato
Australia	5357 5358 5359 5360 5361 5362	8499
<i>Metarhizium anisopliae</i> sensu lato	5363 5364	<i>Phyllophaga cuyabana</i>
8564 8610	<i>Melolontha melolontha</i>	Brazil, Paraná
<i>Metarhizium pingshaense</i> 8566	France	<i>Metarhizium anisopliae</i> sensu
<i>Metarhizium robertsii</i> 8563 8565	<i>Beauveria brongniartii</i> 617 979	stricto 3924
8567 8577	<i>Metarhizium guizhouense</i> 977	<i>Phyllophaga menetriesi</i>
<i>Holotrichia consanguinea</i>	Switzerland	Colombia
India	<i>Beauveria brongniartii</i> 1067 1068	<i>Evlachovaea</i> sp. 7551
<i>Metarhizium anisopliae</i> sensu	1069 1070 1071 1072 1076 1077	<i>Popillia japonica</i>
stricto 10475	7528	Azores
<i>Holotrichia parallela</i>	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria amorpha</i> 4990
China	7532	<i>Beauveria brongniartii</i> 4992 4993
<i>Beauveria asiatica</i> 4384 4474	<i>Metarhizium brunneum</i> 1066	4994 4995
<i>Beauveria brongniartii</i> 4385 4386	<i>Oryctes</i> sp.	Japan
4388 4465 4466 4467 4468 4469	Papua New Guinea	<i>Beauveria brongniartii</i> 4389 4458
4470 4471 4472 4473 4475 4476	<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria</i> sp. 4390 4391 4392
4477 4478	2156 2165 2166 2167	<i>Metarhizium robertsii</i> 1046
Mixed Culture sp. 4387	Philippines	Unidentified / Hyphomycetes 5223
<i>Holotrichia serrata</i>	<i>Metarhizium majus</i> 1914	5224 5225 5226 5227
India	<i>Oryctes rhinoceros</i>	Location not specified
<i>Metarhizium anisopliae</i> sensu	France	<i>Beauveria bassiana</i> 3716 3717
stricto 10472 10476	<i>Metarhizium majus</i> 978 3145	<i>Cordyceps</i> sp. 3718 3714 3719
<i>Lachnosterna bidentata</i>	Indonesia, Jawa Barat, Java	Portugal
Malaysia	<i>Metarhizium majus</i> 2151	<i>Beauveria bassiana</i> 5148 5150
<i>Metarhizium flavoviride</i> 8737	Philippines	<i>Isaria fumosorosea</i> 2679
<i>Lachnosterna morosa</i>	<i>Metarhizium majus</i> 1946	<i>Metarhizium anisopliae</i> sensu lato
Japan	Thailand	3329 4907 4908
<i>Beauveria sungii</i> 1685	<i>Metarhizium pingshaense</i> 538	<i>Metarhizium brunneum</i> 3864
<i>Lepidiota consobrina</i>	<i>Pachnoda interrupta</i>	<i>Metarhizium robertsii</i> 5149
<i>Metarhizium anisopliae</i> sensu lato	Ethiopia	Unidentified sp. 3841
8830 8831	<i>Aspergillus flavus</i> 6454	USA, Connecticut
Australia	<i>Beauveria bassiana</i> 6669 6676 6681	<i>Metarhizium anisopliae</i> sensu lato
<i>Metarhizium anisopliae</i> var. <i>lepid-</i>	<i>Metarhizium anisopliae</i> sensu lato	3713 3720
<i>iotae</i> 8732	6670 6671 6672 6673 6674 6675	<i>Metarhizium robertsii</i> 3721
<i>Metarhizium anisopliae</i> sensu lato	6677 6678 6679 6680 6682 6683	Unidentified sp. 3722
7827 7828 7846 8845 8850	6684 6685	USA, New York
<i>Metarhizium lepidiotae</i> 7411 7412	<i>Papuana</i> sp.	<i>Metarhizium anisopliae</i> sensu lato
<i>Lepidiota frenchi</i>	Papua New Guinea	1280 2548 3330 3331 3332 3333
Australia	<i>Metarhizium anisopliae</i> sensu lato	3334 3335 3336 3337 3338 3339
<i>Metarhizium anisopliae</i> sensu lato	8748	3340 9372
7829 7830 7831 8733	<i>Papuana woodlarkiana</i>	<i>Metarhizium robertsii</i> 1298 1878
<i>Lepidiota gibbifrons</i>	Papua New Guinea	<i>Purpureocillium lilacinum</i> 9371
Australia	<i>Metarhizium guizhouense</i> 4604	<i>Protaetia orientalis submarumorea</i>
<i>Metarhizium anisopliae</i> sensu lato	<i>Phyllopertha horticola</i>	Japan
7824 7825 7826	Norway	<i>Metarhizium majus</i> 12557
	<i>Metarhizium anisopliae</i> sensu lato	
	6901	
	<i>Metarhizium brunneum</i> 6477	

<i>Rhizotrogus majalis</i>	<i>Dendroctonus micans</i>	12585 12586 12587 12588 12589
USA, New York	Denmark	12590 12591 12592 12593 12594
<i>Metarhizium robertsii</i> 2547 3108	<i>Lecanicillium muscarium</i> 4036	12595 12596 12597 12598 12599
3211 4123	Turkey	12600 12601 12602 12603 12604
Unidentified / Hyphomycetes	<i>Beauveria bassiana</i> (?) 9271	12605 12606 12607 12608 12609
2999	<i>Beauveria</i> sp. 9272 9273 9274	12610 12611 12612 12613 12614
<i>Rhopaea magnicornis</i>	<i>Isaria farinosa</i> 9269 9270 9275 9276	12615 12616 12617 12618 12619
Australia	9277 9278	12805 12806 12807 12808 12809
<i>Beauveria bassiana</i> 4130 7813 8853	<i>Lecanicillium muscarium</i> 9267	12810 12811 12812 12813 12814
8854	9268	12815 12816 12821 12891 12892
<i>Isaria fumosorosea</i> 8892	<i>Dendroctonus ponderosae</i>	12893 12894
<i>Metarhizium anisopliae</i> sensu lato	Canada, British Columbia	<i>Beauveria bassiana</i> sensu lato
8492 8765 8766 8767 8829 8844	<i>Beauveria bassiana</i> 1849 1853	12982 12983 12984 12985 12986
<i>Metarhizium</i> sp. 7495 8851 8852	<i>Dendroctonus rufipennis</i>	12987 12988 12989 12990 12991
8855 8856 8857	Canada, British Columbia	12992 12993 12994 12995 12996
<i>Rhopaea verreauxii</i>	<i>Evlachovaea</i> sp. 1017	12997 12998 12999 13000 13001
Australia	<i>Dryocoetes confusus</i>	13002 13003 13004 13005 13006
<i>Metarhizium anisopliae</i> sensu lato	Canada	13007 13008 13009 13010 13011
8495	<i>Beauveria bassiana</i> 9184	13012 13013 13014 13015 13016
<i>Scapanes australis</i>	Canada, British Columbia	13017 13018 13019 13020 13046
Papua New Guinea	<i>Beauveria bassiana</i> 1852	13047 13048 13049 13050 13051
<i>Metarhizium pingshaense</i> 3604	<i>Hypothenemus hampei</i>	13052 13053 13054 13055 13056
<i>Sericesthis micans</i>	Benin	13057 13058 13059 13060 13061
Australia	<i>Fusarium</i> sp. 5875 5878	13062 13063 13064 13065 13066
<i>Metarhizium anisopliae</i> sensu lato	<i>Purpureocillium lilacinum</i> 5876	13067 13068 13069 13070 13071
4568 4777 4778	5877 5880 5882 6188 6190	13072 13073 13074 13075 13076
<i>Sericesthis nigrolineata</i>	Brazil, São Paulo	13077 13078 13079 13080 13081
Australia	<i>Beauveria bassiana</i> 1480	13082 13083 13084 13085 13086
<i>Beauveria bassiana</i> 7853	Cameroon	13087 13089 13090 13091 13092
<i>Metarhizium anisopliae</i> sensu lato	<i>Beauveria bassiana</i> 6526 6527 6528	13093 13094
4780 7814 7863	6529 6530 6531 6532	<i>Metarhizium</i> sp. 13088
<i>Sericesthis</i> sp.	Colombia	USA, Hawaii
Australia	<i>Acremonium alternatum</i> 7282	<i>Beauveria bassiana</i> 10471
<i>Metarhizium anisopliae</i> sensu lato	<i>Fusarium nygamai</i> 6602	USA, Texas
4134 4236	Indonesia, Sulawesi	<i>Candida</i> sp. 5729
<i>Strigoderma arboricola</i>	<i>Fusarium</i> sp. 7063	<i>Ips</i> sp.
USA, Michigan	Ivory Coast	Canada, British Columbia
<i>Metarhizium robertsii</i> 1968	<i>Beauveria bassiana</i> 5436 5437 5438	<i>Beauveria pseudobassiana</i> 1855
<i>Xyloryctes jamaicensis</i>	5439 5440 5441 5442 5459 5460	USA, New Hampshire
India	5477 5482 5483 5484 5485 5486	<i>Lecanicillium muscarium</i> 11803
<i>Beauveria</i> sp. 2412	5487	USA, Vermont
Western Samoa	<i>Fusarium</i> sp. 5461	<i>Lecanicillium</i> nr. <i>aranearum</i> 11799
<i>Metarhizium majus</i> 297 298	<i>Isaria fumosorosea</i> 6730	<i>Ips stenographus</i>
Coleoptera: Scarabaeidae: Aphodiinae	Kenya	Norway
USA, New York	<i>Beauveria bassiana</i> 2685 2686 2687	<i>Beauveria bassiana</i> 6900
<i>Tolyptocladium inflatum</i> 4877 4878	Mexico	<i>Ips typographus</i>
4879 4880 4881 4882 4883 4884	<i>Beauveria bassiana</i> 2693 3818 3819	Denmark
4885 4886 4887 4888 4889 4890	<i>Isaria fumosorosea</i> 7284	<i>Beauveria brongniartii</i> 4024
4891 4892 4893 4894 4895 4896	Nicaragua	Slovakia
4897 4898	<i>Beauveria bassiana</i> 3440 3443 3445	<i>Beauveria bassiana</i> 12957 12958
Coleoptera: Scarabaeidae: Melolonthinae	3448 3453	12960 12961 12962 12964 12965
<i>Antitrogus rugulosus</i>	Sri Lanka	12966 12967 12968 12970 12971
Australia	<i>Beauveria bassiana</i> 7758	12973 12974 12975 12977 12978
<i>Paraisaria dubia</i> 5764	Togo	12979 12980
Coleoptera: Scolytidae	<i>Beauveria bassiana</i> 2688 2689 2690	<i>Beauveria caledonica</i> 12963 12969
Switzerland	2691 2692 5443 5444 5445 5446	12972
<i>Beauveria bassiana</i> 1566	5447 5448 5449 5450 5451 5452	<i>Beauveria pseudobassiana</i> 12959
<i>Beauveria caledonica</i> 1567	5453 5454 5455 5456 5457 5458	12976 12981
USA, Hawaii	5478 5479 5480 5481 5488 5489	Switzerland
<i>Beauveria bassiana</i> 3040	5490	<i>Beauveria bassiana</i> 7525 7526
<i>Beauveria bassiana</i> 1566	Uganda	<i>Tomicus minor</i>
<i>Beauveria caledonica</i> 1567	<i>Fusarium</i> sp. 5879	France
USA, Hawaii	USA, Hawai'i	<i>Beauveria bassiana</i> 5071
<i>Beauveria bassiana</i> 3040	<i>Beauveria bassiana</i> 12573 12574	<i>Beauveria pseudobassiana</i> 4933
	12575 12576 12577 12578 12579	5070
	12580 12581 12582 12583 12584	

Fungus by Host and Location

Tomicus pimperda
France
Beauveria sp. 4909 4910 4911 4912
4913 4914 4915 4916 4917 4918

Coleoptera: Scolytidae (Tribe Ipini)
PR China
Beauveria pseudobassiana 6229

Coleoptera: Silphidae
Russian Federation
Isaria farinosa 9511
Lecanicillium sp. 9459

Coleoptera: Staphylinidae
Australia
Metarhizium anisopliae sensu lato
8734
Denmark
Beauveria bassiana 4055
USA, Nebraska
Beauveria bassiana 3112
USA, New York
Metarhizium carneum 11836
Anotylus rugosus
Denmark
Beauveria bassiana 4051 4056
Anotylus sp.
Denmark
Beauveria bassiana 4046
Gyrohypnus angustatus
Denmark
Beauveria bassiana 4054
Staphylinus olens
Denmark
Isaria farinosa 4040
Tachyporus hypnorum
Denmark
Lecanicillium longisporum 4050
Tachyporus sp.
Denmark
Beauveria bassiana 4028

Coleoptera: Tenebrionidae
Brazil, Ceará
Beauveria bassiana 757 783 787
Kazakhstan
Beauveria bassiana 6478 6483
Verticillium lecanii 6487
Republic of Korea
Isaria farinosa 5699
USA, Vermont
Isaria farinosa 11827
Uzbekistan
Beauveria bassiana 6057 6064 6077
6078 6096 6113
Alphitobius diaperinus
Beauveria bassiana 5836 5838 5839
5840 5843
Isaria fumosorosea 5844 5845 5846
5847
Metarhizium anisopliae sensu lato
5837 5841 5842 5848 5850
Verticillium lecanii 5849
Denmark
Isaria farinosa 5858
USA, West Virginia
Beauveria bassiana 7941

Pterohelaeus darlingensis
Australia
Beauveria bassiana 8065

Tenebrio molitor
Aspergillus flavus 9381
Denmark
Beauveria bassiana 8038
Finland
Beauveria bassiana 5623
Isaria fumosorosea 5627
Metarhizium brunneum 5626
Mexico
Metarhizium anisopliae sensu lato
11945 11946 11947
Republic of China
Isaria farinosa 8917
Lecanicillium muscarium 8923
Metarhizium anisopliae sensu lato
8775 8776 8777 8778 8779 8780
8781 8782 8783 8784 8785 8786
8787 8788 8789 8790 8791 8792
8793 8794 8795 8796 8797 8798
8799 8858 8859 8860 8861 8862
8863 8864 8865 8866 8867 8868
8869 8870 8871 8872 8873 8874
8875 8876 8877 8878 8879 8880
8881 8882 8883 8884 8885 8886
8887 8894 8895 8896 8897 8898
8899 8900 8901 8902 8903 8904
8905 8906 8907 8908 8909 8910
8911 8912 8913 8914 8915 8916
8947 8948 8949 8950 8951 8952
8953 8954 8955 9235 9236
Purpureocillium lilacinum 8918
8919 8920 8921 8922
Scopulariopsis sp. 11652
Tribolium castaneum
Finland
Beauveria pseudobassiana 5622
Metarhizium anisopliae sensu lato
5624
Metarhizium brunneum 5625
USA, Washington
Metarhizium anisopliae sensu lato
3389
Metarhizium robertsii 3388

Coleoptera: adephaga
Turkey
Beauveria bassiana 5672
PR China
Isaria farinosa 11710
Colombia
Beauveria bassiana 796
Republic of Korea
Beauveria bassiana 7252
Russian Federation
Evlachovaea sp. 7602
USA, Florida
Beauveria bassiana 5991
USA, Vermont
Beauveria bassiana 5495 5496

Dermaptera: Forficulidae
Doru lineare
Argentina
Beauveria bassiana 8374 8465
Forficula africana
Benin
Beauveria bassiana 5652
Nigeria
Beauveria bassiana 5650 5651
Forficula auricularia
Brazil, Distrito Federal
Beauveria bassiana 3018
Denmark
Zoophthora sp. 3486 3487 3488

Dictyoptera: Blattellidae
Blattella germanica
Denmark
Isaria fumosorosea 5855
Location not specified
Candida sp. 1924 1925 1926
USA, Maryland
Candida sp. 1877

Dictyoptera: Blattidae
Periplaneta americana
USA, Louisiana
Candida sp. 1857

Dictyoptera: Mantidae
Republic of Korea
Beauveria bassiana 7236 7238

Diptera
Argentina
Zoophthora radicans 8466
Brazil, Bahia
Beauveria bassiana 1962
Brazil, Ceará
Erynia sp. 876 880 884
Brazil, Goiás
Conidiobolus macrosporus 12830
Furia americana 742 2192 2194
Brazil, Paraná
Furia americana 1240 1242
Canada, Ontario
Smittium mucronatum 9063
Smittium sp. 9065 9088 9265
Denmark
Entomophthora muscae 6701
Erynia sp. 2495 5812
Zoophthora radicans 2499 2500
2501 2503 2506 2523 2554
France
Isaria fumosorosea 887
India
Fusarium sp. 2414
Indonesia, Yogyakarta, Java
Paecilomyces sp. 2350 2378
Israel
138
Poland
Conidiobolus thromboides 86 87
Zoophthora radicans 1337
Republic of Korea
Beauveria bassiana 7269
Russian Federation
Lecanicillium muscarium 7224

- Mariannaea elegans* 9456
Sri Lanka
Beauveria bassiana 2454
Switzerland
Entomophthora muscae 392
Pandora dipterigena 1720
Zoophthora radicans 388
Ukraine
Lecanicillium muscarium 9470
Metarhizium anisopliae 9487
Mariannaea elegans 9455
USA, Hawaii
Beauveria bassiana 8707 8712
USA, Maine
Pandora dipterigena 131
USA, New Hampshire
Lecanicillium evansii(?) 11785
USA, New York
Entomophthora muscae 7371
Isaria farinosa 10165
Lecanicillium muscarium 10173
Lecanicillium psalliotae 10179
Lecanicillium wallacei(?) 10172
Pandora dipterigena 1921 1923
Pochonia chlamydosporia var.
chlamydosporia 11810
Unidentified sp. 1922
USA, Oregon
Smittium sp. 9051
USA, Puerto Rico
Unidentified / Hyphomycetes 7078
USA, Utah
Smittium culicis 9059
USA, Vermont
Beauveria bassiana 10141 10149
Isaria farinosa 10156 10160 11834
Lecanicillium evansii(?) 11795
Lecanicillium wallacei(?) 10174
Metarhizium anisopliae sensu lato
9939
Pochonia chlamydosporia var.
chlamydosporia 11786
Unidentified / Hyphomycetes
10171
- Diptera: ?Lauxaniidae**
Poland
Hirsutella radiata 1369
- Diptera: ?Sciaridae**
USA, New York
Pandora dipterigena 1887
- Diptera: ?Stratiomyidae**
Indonesia, Jawa Barat, Java
Isaria fumosorosea 2425
- Diptera: Anthomyiidae**
Denmark
Conidiobolus sp. 2494
Entomophthora muscae 2678
France
Entomophthora muscae 2087 2088
Botanophila fugax
Denmark
Entomophthora muscae 6712
- Delia* sp.
France
Entomophthora muscae 2089 2263
2264 2265 2266 2317
- Delia antiqua*
France
Beauveria bassiana 1864 1865 1866
USA, New York
Entomophthora muscae 3074
- Delia floralis*
Norway
Arthrobotrys oligospora 5561 5562
Metarhizium anisopliae sensu lato
5520
Tolyptocladium cylindrosporium
5525 5526 5527 5528 5529 5530
5531 5532 5558 5559
- Delia platyura*
United Kingdom
Entomophthora muscae 707
- Delia radicum*
Canada, Québec
Beauveria bassiana 1151
Fusarium oxysporum 1371
Fusarium solani 1148
Denmark
Beauveria bassiana 4012
Conidiobolus sp. 2672
Entomophthora muscae 2665 2668
2670 2674 2675 6706 6707 6708
6709 6710 6711 6717 6811 6814
6815 6818 6821
Strongwellsea castrans 3282 3485
Zoophthora radicans 2666
Norway
Entomophthora muscae 6274
United Kingdom
Beauveria bassiana 6553 6555 6563
6564 6568
Verticillium lecanii 5132 6554
- Pegoplata aestiva*
Denmark
Beauveria bassiana 8031
- Diptera: Bibionidae**
France
Fusarium verticillioides 2252
USA, New York
Lecanicillium sp. 11798
USA, Vermont
Isaria farinosa 11828
- Plecia* sp.
USA, Mississippi
Evlachovaea sp. 7372
- Plecia nearctica*
USA, Florida
Tolyptocladium cylindrosporium
2912
- Diptera: Bombyliidae**
Costa Rica
Aspergillus flavus 3430
- Diptera: Brachycera**
France
Zoophthora lanceolata 468
Poland
Basidiobolus haptosporus 1347
Erynia sp. 1338
Pandora dipterigena 1422
- Diptera: Calliphoridae**
Calliphora sp.
France
Beauveria bassiana 1630
Isaria fumosorosea 1646
Lucilia illustris
France
Scopulariopsis sp. 2328
Pollenia sp.
Denmark
Entomophthora schizophorae 6703
6816 6817
Pollenia rudis
USA, New York
Entomophthora muscae 651
- Diptera: Cecidomyiidae**
Resseliella odai
Japan
Isaria andoi 1684
Isaria flavovirescens 1686
- Diptera: Ceratopogonidae**
Dasyhelea sp.
Australia
Culicinomyces clavisporus 2478
France
Smittium culisetae 9097
Forcipomyia marksae
Australia
Crypticola clavulifera 1940
Culicinomyces clavisporus 2480
2481
Lagenidium giganteum 2529 2530
2531 2532
- Diptera: Chironomidae**
Australia
Smittium elongatum 9251
Canada, Ontario
Smittium mucronatum 9067 9090
9144
Costa Rica
Smittium culicisoides 9044
Smittium sp. 9034
Denmark
Entomophthora culicis 5811
France
Smittium culicis 9127 9129
Japan
Smittium simulii 9019 9136
Switzerland
Smittium culisetae 9132
United Kingdom
Erynia conica 2405
Erynia sp. 2507
USA, Arkansas
Smittium sp. 9087
USA, Kansas
Smittium commune 9085

- USA, Missouri
Smittium sp. 9145
- USA, New York
Entomophaga conglomerata 2273
Erynia conica 2274
Smittium culicis 9011
- USA, Oklahoma
Smittium acutum 9092
Smittium caudatum 9000 9261
- USA, South Carolina
Saprolegnia sp. 6427
- USA, Tennessee
Smittium orthocladii 9080
- Chironomus* sp.
Australia
Smittium culicis 9003 9142
- Costa Rica
Smittium dipterorum 9250
Smittium phytotelmatum 9076
- France
Smittium culicis 9045 9046
- Japan
Amoebidium parasiticum 9183
- USA, Tennessee
Amoebidium appalachense 9181
9255 9256
Smittium lentaquaticum 9068 9253
- Chironomus alternans*
Australia
Smittium culisetae 9025
- Corynoneura* sp.
New Zealand
Harpellales, genus undetermined
9089
Smittium culicis 9007 9093
- Cricotopus* sp.
Chile
Smittium cylindrosporum 9116
9248 9249
- USA, Colorado
Smittium coloradense 9001
- USA, Oklahoma
Smittium stenosporum 9023
- Diamesa* sp.
Sweden
Smittium simulii 9139
- USA, Colorado
Smittium perforatum(?) 9055
- Dicrotendipes fumidus*
USA, Kansas
Smittium gravimetallum 9029 9036
9264
- Microtendipes* sp.
USA, Kansas
Smittium commune 9243 9244 9245
- Orthocladus* sp.
Sweden
Smittium sp. 9146
- USA, Colorado
Smittium coloradense 9002
- USA, Kansas
Smittium megazygosporum(?) 9027
- USA, Missouri
Smittium sp. 9121
- USA, Wyoming
Smittium culisetae 9114
- Paraheptaggyia* sp.
Argentina
Smittium tronadorium 9030
- Polypedilum* sp.
Costa Rica
Smittium sp. 9120
- Procladius paludicola*
Australia
Furculomyces boomerangus 9077
- Psectrocladius* sp.
USA, Colorado
Smittium fecundum 9022 9083
- Psectrocladius limbatellus*
Norway
Smittium sp. 9050
- Psectrocladius paludicola*
Australia
Furculomyces boomerangus 9259
- Psectrocladius sordidellus*
France
Smittium mucronatum 9028
- Pseudokiefferiella* sp.
Switzerland
Smittium sp. 9147
- Tanytarsus* sp.
Australia
Smittium angustum 9241
Smittium culicis 9125
- Costa Rica
Smittium sp. 9035
- Tanytarsus nr. inextentus*
Australia
Furculomyces boomerangus 9021
- Diptera: Culicidae**
Argentina
Smittium culisetae 9075
Smittium culicis 9031
- Australia
Culicinomyces clavisporus 2622
Smittium culicis 9057 9123 9140
9141
Smittium sp. 9079
- Canada, Ontario
Smittium culicis 9073
- Czech Republic
Tolypocladium cylindrosporum 961
- Japan
Smittium culisetae 9015 9109 9110
9111
- New Zealand
Tolypocladium cylindrosporum 976
1027 1028 2911
- Tanzania
Simplicillium lanosoniveum 8822
- USA, Hawaii
Smittium culisetae 9026 9098
- USA, Louisiana
Smittium culisetae 9024
- USA, New York
Erynia aquatica 764
- USA, North Carolina
Culicinomyces clavisporus 706
Lagenidium giganteum 748
- USA, Tennessee
Smittium culisetae 9058 9071 9113
- Smittium culicis* 9010
Smittium lentaquaticum 9082
Smittium sp. 9038 9081 9148
- USA, Wyoming
Smittium culisetae 9247
- Aedes* sp.
USA, New York
Erynia aquatica 750
- Aedes aegypti*
Leptolegnia chapmanii 12817 12819
12820 12827 12828
- Brazil, Goiás
Leptolegnia chapmanii 12818 12829
- USA, New York
Leptolegnia chapmanii 6718
- Aedes albifasciatus*
Argentina
Isaria farinosa 2971
Leptolegnia chapmanii 5499 7787
Smittium culicis 5432 9004
- Aedes albopictus*
USA, Florida
Smittium culisetae 9013
- USA, Hawaii
Smittium culisetae 9014 9047 9099
9100 9101 9104 9105 9106
- Aedes australis*
New Zealand
Tolypocladium cylindrosporum 841
- Aedes crinifer*
Argentina
Metarhizium brunneum 2974
Smittium culisetae 9094
- Costa Rica
Smittium culisetae 5200
- Aedes kochi*
Australia
Culicinomyces bisporalis 1948 1949
- Aedes melanimon*
USA, California
Lagenidium giganteum 3327
- Aedes rupestris*
Australia
Culicinomyces clavisporus 2471
2472 2473 2474 2475 2476 2477
- Aedes sierrensis*
USA, California
Isaria farinosa 1939
Tolypocladium cylindrosporum 705
1580
- Aedes sticticus*
USA, Wyoming
Smittium culicis 9009 9130
- Aedes vexans*
USA, Hawaii
Smittium culisetae 9102 9103
- USA, Kansas
Smittium culisetae 9016 9017
- USA, Nebraska
Smittium culisetae 9246
- Anopheles* sp.
USA, Florida
Unidentified sp. 2563
- Anopheles amictus hilli*
Australia
Culicinomyces clavisporus 644 645

- Anopheles gambiae*
Mali
Unidentified sp. 3380 3381
- Anopheles quadrimaculatus*
USA, North Carolina
Culicinomyces clavisporus 372 582
583 584 585
- Culex* sp.
France
Smittium culicis 9128 9149
- Japan
Smittium culisetae 9048 9107 9108
- USA, Florida
Leptolegnia chapmanii 2682
- Culex dolosus*
Argentina
Smittium culisetae 5430 9131
- Culex pervigilans*
New Zealand
Smittium culicis 9074
- Culex pipiens pipiens*
Czech Republic
Conidiobolus thromboides 70
- USA, Pennsylvania
Fusarium sp. 11949 11950
- Culex pipiens quinquefasciatus*
USA, South Carolina
Leptolegnia chapmanii 2681
- Culex renatoi*
Argentina
Smittium culicis 5431
- Culex restuans*
USA, South Carolina
Smittium culisetae 9056
- Culex tarsalis*
USA, California
Lagenidium giganteum 1384
- Culex territans*
USA, Louisiana
Lagenidium giganteum 749
- Culiseta* sp.
USA, Wyoming
Smittium culisetae 9062 9115 9133
- Culiseta impatiens*
USA, Colorado
Smittium culisetae 9012
- Culiseta incidens*
USA, California
Smittium culisetae 9095
- Culiseta inconspicua*
Australia
Culicinomyces clavisporus 2479
- Culiseta inornata*
Canada, Alberta
Culicinomyces clavisporus 964
- Laboratory manipulation
Culicinomyces clavisporus 1260
2482
- Culiseta melanvura*
USA, North Carolina
Lagenidium giganteum 373
- Mansonia titillans*
USA, Florida
Leptolegnia chapmanii 2562 2680
- Ochlerotatus japonicus*
USA, Tennessee
Smittium culisetae 9039 9069
- Ochlerotatus triseriatus*
USA, Kentucky
Lecanicillium muscarium 810
- USA, NY
Metarhizium anisopliae sensu lato
3827
Metarhizium brunneum 3826
- USA, South Carolina
Smittium morbosum 9060 9061
- Ochlerotatus trivittatus*
USA, Pennsylvania
Fusarium sp. 11948
- Wyeomyia smithii*
USA, North Carolina
Candida cf. pseudogleabosa 7146
- Diptera: Drosophilidae**
USA, Arizona
Paecilomyces sp. 3768
- Drosophila* sp.
Canada, British Columbia
Aspergillus niger(?) 7975
Penicillium sp. 7976
- Drosophila suzukii*
USA, Tennessee
Batkoa major 12251
- Diptera: Empididae**
Poland
Furia ithacensis 1339 1340
- Diptera: Ephydriidae**
United Kingdom
Beauveria bassiana 6567
- ?*Hydrellia* sp.
Indonesia, Jawa Barat, Java
Erynia sp. 2097
Metarhizium anisopliae sensu lato
2105
- Scatella stagnalis*
United Kingdom
Verticillium lecanii 6561
- Scatella tenuicosta*
USA, New York
Beauveria bassiana 8245 8246 8247
Metarhizium anisopliae sensu lato
8248 8249
- Diptera: Heliomyzidae**
USA, Maine
Conidiobolus thromboides 5
- Diptera: Itonididae**
Poland
Hirsutella nr. *haptospora* 2228
- Diptera: Muscidae**
Brazil, Alagoas
Beauveria bassiana 1955
- Denmark
Entomophthora muscae 5954
- Ukraine
Simplicillium lamellicola 9480
- USA, New York
Metapochonia bulbilosa 11800
- USA, Vermont
Beauveria bassiana 10142 11845
Isaria farinosa 11832
- Coenosia tigrina*
Denmark
Entomophthora ferdinandii 6918
- Haematobia irritans*
Denmark
Beauveria bassiana 5862 5864 5865
5866
Beauveria pseudobassiana 5867
Lecanicillium lecanii(?) 5584 5585
- Musca autumnalis*
France
Beauveria bassiana 1514
Isaria fumosorosea 1626
- Musca domestica*
Argentina
Beauveria bassiana 7049
- Denmark
Beauveria bassiana 5861 5863
Entomophthora muscae 2542 5952
5953 6121 6122 6123 6124 6125
6126 6127 6128 6129 6130 6131
6132 6133 6134 6135 6136 6140
6141 6164 6165 6713 6714 6715
6716 6812 6813
Entomophthora schizophorae 6137
6138 6139 6142 6143
Isaria fumosorosea 5860
Lecanicillium fusisporum(?) 5578
5579
Lecanicillium muscarium 5859
- France
Fusarium sp. 1522
Isaria fumosorosea 1644 1645 1867
1868
- USA, Florida
Beauveria bassiana 7940
- USA, Nebraska
Entomophthora schizophorae 5348
- USA, New York
Beauveria bassiana 2953 5339 5340
5341 5342 5343 5344 5345 5346
5347
Entomophthora muscae 454 556 557
803 2014
- Diptera: Mycetophilidae**
Location not specified
Erynia sciarae 1870
- Arachnocampa luminosa*
New Zealand
Tolyposcladium extinguens 2921
- Diptera: Nematocera**
Poland
Zoopthora radicans 1336 1428
- Switzerland
Entomophthora culicis 387
Pandora dipterigena 397
Zoopthora lanceolata 426 469

Diptera: Psilidae

Psila rosae
Denmark
Conidiobolus pseudapiculatus 2493
2496 2497 2502
Entomophthora schizophorae 2540
2541 2667

Diptera: Psychodidae

Switzerland
Erynia ovispora 399 400
Lutzomyia sp.
Costa Rica
Unidentified sp. 3123 3124 3420
3421 3423 3424 3425 3427 3428
Guatemala
Conidiobolus coronatus 3379
Fusarium sp. 3382 3378
Lutzomyia longipalpis
Costa Rica
Unidentified sp. 3422
Lutzomyia saulensis
Costa Rica
Lecanicillium muscarium 3418
Unidentified sp. 3413 3417 3419
Lutzomyia sordelli
Costa Rica
Conidiobolus coronatus 3414 3415
Lecanicillium psalliotae 3416
Lutzomyia trapidoi
Costa Rica
Unidentified sp. 3426
Phlebotomus papatasi
United Kingdom
Beauveria bassiana 2972

Diptera: Ptychopteridae

Ptychoptera contaminata
Denmark
Conidiobolus sp. 2498
Eryniopsis ptychopterae 2535 2671

Diptera: Sarcophagidae

Neobullieria citellivora
Canada, Alberta
Aspergillus flavus 3144

Diptera: Scatophagidae

Scatophaga stercoraria
Denmark
Entomophthora scatophagae 6704
6705

Diptera: Sciariidae

Switzerland
Batkoa apiculata 919 927 1660 1661
United Kingdom
Beauveria bassiana 6566
Bradysia paupera
Denmark
Batkoa apiculata 3225 3226
Lycoriella ingenua
Mexico
Conidiobolus coronatus 9940 9941
9942

Diptera: Sciomyzidae

Sepedon spegheus
Philippines
Hirsutella sp. 1551

Diptera: Simuliidae

Canada, Newfoundland
Batkoa papillata(?) 7068
Canada, Québec
Erynia curvispora 3229
Unidentified sp. 3227 3228 3230
3231 3232 3233 3235 3236 3245
3246 3247
Costa Rica
Smittium annulatum 9242
Japan
Smittium simulii 9049
Switzerland
Erynia conica 1752 1753
Erynia curvispora 1754
USA, Maine
Saprolegnia sp. 179 180
USA, New York
Erynia conica 2275
Lecanicillium evansii(?) 11796
USA, Vermont
Isaria farinosa 11826
Prosimulium sp.
Canada
Smittium culicis 9126
Simulium sp.
Chile
Smittium imitatum 9033
Costa Rica
Smittium dipterorum 9263
Japan
Smittium simulii 9137 9138
United Kingdom
Erynia conica 1439
USA, Minnesota
Smittium simulii 9043 9118 9134
Simulium uchidai
Japan
Smittium simulii 9135
Simulium vandalicum
USA, Tennessee
Barbatospora ambicaudata 9020
Simulium venustum
USA, Maine
Coelomyxidium simulii 218
Simulium vittatum
USA, Kansas
Smittium culisetae 9018 9112
Smittium culicis 9008
USA, Minnesota
Smittium culisetae 9096
USA, South Carolina
Smittium culisetae 6810 9032
Smittium megazygosporum 6275
9037

Diptera: Stratiomyidae

Australia
Metarhizium anisopliae sensu
stricto 7418 7419 7423 7426 7427
7428
Metarhizium guizhouense 7420

Metarhizium pingshaense 7414
7421 7422 7425 7429

Boreoides tasmaniensis
Australia
Metarhizium anisopliae sensu lato
4600 4620
Chiromyza sp.
Brazil, Minas Gerais
Eolachovaea sp. 6146
Inopus rubriceps
Australia
Metarhizium anisopliae sensu lato
7840 7841 7855 7856 7857 7858
7859 7860 7861 7914 7915 7916
7917 7918 7919 7920 7926
Metarhizium pingshaense 8497

Diptera: Syrphidae

Denmark
Entomophthora muscae 2673
USA, New York
Entomophthora muscae 826
Eumerus strigatus
United Kingdom
Metarhizium anisopliae var. *anisopliae* 6550
Melanostoma scalare
Denmark
Entomophthora syrphi 6819 6820
Platycheirus clypeatus
Denmark
Entomophthora syrphi 6702
Triglyphus primus
Denmark
Entomophthora syrphi 5955

Diptera: Tachinidae

Canada, New Brunswick
Tolypocladium inflatum 3281
France
Beauveria bassiana 1150
Poland
Isaria farinosa 1348 1349

Diptera: Thaumaleidae

Australia
Smittium culicis 9124
New Zealand
Smittium culicis 9084
Austrothaumalea sp.
Australia
Smittium culicis 9005 9041

Diptera: Tipulidae

Canada, Ontario
Smittium culicis 9091
France
Lecanicillium muscarium 2329
Ukraine
Isaria sp. 9508
USA, New York
Erynia sepulchralis 12250
Unidentified Entomophthorales sp.
7227 7228 7229 7230
USA, Oregon
Smittium sp. 9086
USA, Vermont
Isaria coleopterorum 10163

<i>Isaria farinosa</i> 11824	Unidentified / Hyphomycetes	<i>Lecanicillium</i> sp. 9924 9925 9926
<i>Aphrophila bidentata</i>	7392	9915 9916 9917 9918 9919 9923
Chile	Poland	9365 9922 9363
<i>Smittium simulatum</i> 9042 9078	Unidentified sp. 1423	Unidentified / Hyphomycetes 9364
9117	USA, Florida	9366
<i>Dactyloclabes montana</i>	<i>Beauveria bassiana</i> 5978	USA, New Jersey
Canada, Ontario	Colombia	<i>Lecanicillium muscarium</i> 5795
<i>Smittium culicis</i> 9143	<i>Aschersonia turbinata</i> 1030	USA, New York
<i>Elliptera astigmatica</i>	Hemiptera: ?Aphididae	<i>Myriangiium</i> sp. 11857
USA, Colorado	Poland	USA, Vermont
<i>Smittium tipulidarum</i> 9052 9053	<i>Conidiobolus obscurus</i> 243	<i>Lecanicillium lecanii</i> 11817
9054 9122	Hemiptera: Adelgidae	<i>Lecanicillium</i> sp. 12089 11856
<i>Limonia</i> sp.	<i>Adelges tsugae</i>	Unidentified / Hyphomycetes
Australia	<i>Beauveria bassiana</i> (?) 5815	12086 12087 12088 12090
<i>Smittium culicis</i> 9006 9040	PR China	USA, Virginia
<i>Tipula</i> sp.	<i>Beauveria bassiana</i> 6027	<i>Beauveria bassiana</i> 5768 5769
USA, Vermont	<i>Isaria farinosa</i> 6028 6029 6030 6031	<i>Isaria farinosa</i> 5760 5761
<i>Myrothecium verrucaria</i> 9359	6032 6033 6034 6036 6037 6038	<i>Lecanicillium muscarium</i> 5772 5822
Unidentified sp. 9334	6048 6049	<i>Verticillium lecanii</i> 5771 5821 5824
<i>Tipula paludosa</i>	<i>Lecanicillium muscarium</i> 6035	<i>Dreyfusia normanniana</i>
Switzerland	<i>Verticillium lecanii</i> 6045 6046 6047	Denmark
<i>Batkoa gigantea</i> 214 215 403	6050	<i>Verticillium lecanii</i> 5854
<i>Eryniopsis caroliniana</i> 640 641 642	USA, Connecticut	Hemiptera: Aleyrodidae
United Kingdom	<i>Beauveria bassiana</i> 5767	Brazil, Bahia
<i>Beauveria bassiana</i> 6565	<i>Beauveria bassiana</i> (?) 5816 5817	<i>Fusarium</i> sp. 4002 4003
<i>Conidiobolus</i> sp. 6424	5818	Mexico
Diptera: Ulidiidae	<i>Isaria farinosa</i> 5826 5827	<i>Aschersonia aleyrodidis</i> 12802 12803
<i>Tetanops myopaeformis</i>	<i>Lecanicillium lecanii</i> 5759	<i>Aschersonia</i> sp. 3014
USA, North Dakota	<i>Lecanicillium muscarium</i> (?) 11816	Nepal
<i>Fusarium</i> sp. 7382	<i>Myriangiium</i> sp. 11858	<i>Cladosporium</i> sp. 3706 3711
<i>Syngliocladium</i> sp. 5217	<i>Myriodontium keratinophilum</i>	Russian Federation
<i>Syngliocladium tetanopsis</i> 4972	11838	<i>Lecanicillium muscarium</i> (?) 9464
5497 5577	Sterile mycelium 5819	<i>Simplicillium lamellicola</i> 9481
Diptera: Xylophagidae	USA, Maine	Unidentified / Hyphomycetes 9539
Russian Federation	<i>Phoma</i> sp. 9920 9921	<i>Lecanicillium fungicola</i> 9482
<i>Isaria farinosa</i> 9512	USA, Massachusetts	Spain
<i>Lecanicillium</i> sp. 7634 7849	<i>Acremonium</i> sp. 5773	<i>Lecanicillium muscarium</i> 3709
USA, New York	<i>Beauveria bassiana</i> 5170 5171 5770	Sterile mycelium 3710
<i>Ophiocordyceps variabilis</i> 4080	5796	<i>Trichothecium roseum</i> 3708
<i>Xylophagus</i> sp.	<i>Fusarium</i> sp. 5803 5825 5823	Uganda
USA, New York	<i>Isaria farinosa</i> 5178 5774 5775 5776	<i>Aschersonia</i> sp. 5216
<i>Ophiocordyceps variabilis</i> 5365 5366	5784 5788 5790 5792 5797 5799	USA, Florida
5367 5414 5415 5416 5417 5418	5800 5801 5802 5830	<i>Aschersonia aleyrodidis</i> 430 432
5419 5420 5421 5422 5423 5424	<i>Isaria</i> sp. 11630 9369	USA, Puerto Rico
5425 5426 5427 5428 5429	<i>Lecanicillium lecanii</i> 5785 5787	<i>Aschersonia</i> sp. 5215 7070
Hemiptera	5794 5829	Malaysia
Iran	<i>Lecanicillium muscarium</i> 5165 5778	<i>Aschersonia aleyrodidis</i> 4209
<i>Verticillium lecanii</i> 6290	5779 5780 5782 5791 5798 5828	<i>Aschersonia</i> sp. 4207 4210 4448
Location not specified	<i>Lecanicillium muscarium</i> (?) 5777	4449
<i>Metarhizium anisopliae</i> sensu lato	<i>Lecanicillium</i> sp. 9175 9176 11648	Thailand
4901 4902	<i>Metarhizium anisopliae</i> sensu lato	<i>Aschersonia</i> sp. 4208 4433 4434
Mexico	9590	4435 4436 4437 4438 4439 4440
<i>Aschersonia</i> sp. 3015 11754	<i>Paecilomyces</i> sp. 5179 5180 5164	4441 4442 4443 4444 4445
<i>Purpureocillium lilacinum</i> 9604	<i>Trichoderma lignorum</i> 5176	<i>Aglaia odoratissima</i>
Russian Federation	<i>Verticillium lecanii</i> 5781 5783 5786	Indonesia, Jawa Barat, Java
<i>Beauveria bassiana</i> 7583	5789 5793 5820	<i>Aschersonia aleyrodidis</i> 2154
Unidentified / Hyphomycetes 7806	USA, New Hampshire	<i>Aleurocanthus woglumi</i>
Trinidad	<i>Acremonium</i> (?) sp. 9368 11650	USA, Florida
<i>Hirsutella</i> sp. 4511	9367	<i>Isaria farinosa</i> 2954
USA, Puerto Rico	<i>Eurotiomycetes, genus undeter-</i>	<i>Aleyrodes proletoella</i>
7369	<i>mined</i> 9360 9361	United Kingdom
<i>Aschersonia andropogonis</i> 7391	<i>Exophiala</i> sp. 9362	<i>Verticillium lecanii</i> 5133
<i>Aschersonia rhombispora</i> 7390	<i>Lecanicillium muscarium</i> 11818	<i>Bemisia</i> sp.
		Hong Kong
		<i>Isaria fumosorosea</i> 6797 6798

Mexico		
<i>Isaria fumosorosea</i>	3313 3800	
<i>Isaria javanica</i>	3303	
Unidentified sp.	3798 3799 3801	
	3802 3805 3806 3807	
<i>Bemisia argentifolii</i>		
Brazil, Paraná		
<i>Isaria fumosorosea</i>	5154 5155 5156	
	5157 5158 5159	
<i>Paecilomyces</i> sp.	5160	
USA, Texas		
<i>Isaria fumosorosea</i>	5462 5463 5464	
<i>Isaria poprawskii</i>	7028	
<i>Bemisia tabaci</i>		
Brazil, São Paulo		
<i>Isaria fumosorosea</i>	6434 6435	
<i>Lecanicillium psalliotae</i>	6436	
Denmark		
	4068 4058 4059	
<i>Lecanicillium psalliotae</i>	5582	
<i>Lecanicillium nodulosum</i>	4064	
Mixed Culture sp.	4066	
<i>Verticillium lecanii</i>	4065 4067 4069	
	4070 4071 4072	
Egypt		
<i>Simplicillium</i> sp.	6584	
French Polynesia		
<i>Scopulariopsis</i> sp.	8825 8826 8827	
India		
<i>Aspergillus</i> sp.	3698	
<i>Isaria fumosorosea</i>	3699 3700 3843	
	4490 4491 4492 4493 4494 4495	
	4496 4497	
<i>Paecilomyces</i> sp.	3873 3868 3773	
	3779 3869	
Location not specified		
<i>Beauveria bassiana</i>	5274 5275 5276	
	5277 5281 5282 5285	
<i>Isaria fumosorosea</i>	3408 5299 5300	
	5301 5302 5303 5304 5305 5329	
Mexico		
<i>Fusarium</i> sp.	3672	
<i>Fusarium verticillioides</i>	3676 3677	
	3679	
Nepal		
<i>Isaria fumosorosea</i>	4482 4483 4484	
	4485 4486 5297	
<i>Paecilomyces</i> sp.	3870 3871 3872	
	3844	
Pakistan		
<i>Isaria farinosa</i>	5081 5082 5083 5084	
<i>Isaria fumosorosea</i>	3848 3851 3878	
	4498 4499 4501 4502 4503 5085	
	5086 5087 5088 5089 5090 5107	
	5113 5115 5116 5117 5118 5119	
	5121 5122 5272 5298 5475 5476	
<i>Paecilomyces</i> sp.	3874 3875 3877	
	5091 5092 5093 5094 5095 5096	
	5097 5098 5099 5100 5101 5102	
	5103 5104 5105 5106 5108 5109	
	5110 5111 5112 5114 3842 3845	
	3847 3849 3850 3876	
Philippines		
<i>Beauveria bassiana</i>	4981 4982 4983	
	4984 5287 5288 5289 5290 5291	
	5292 5293 5294 5295 5296	
Taiwan		
<i>Paecilomyces</i> sp.	4985 4986 4987	
	4988 4989	
United Kingdom		
<i>Isaria fumosorosea</i>	6562	
USA, Arizona		
<i>Beauveria bassiana</i>	5283 5284	
<i>Isaria fumosorosea</i>	5327 5328	
USA, California		
<i>Fusarium</i> sp.	3668 3669 3670 3671	
	3674	
<i>Isaria farinosa</i>	3658 3659 3661	
<i>Isaria fumosorosea</i>	3660 3662 3663	
<i>Fusarium verticillioides</i>	3673 3675	
	3678	
USA, Florida		
<i>Aphanocladium album</i>	3680	
<i>Isaria fumosorosea</i>	3076 3083 3322	
USA, Hawaii		
<i>Isaria fumosorosea</i>	3889	
USA, Texas		
<i>Fusarium</i> sp.	5332	
<i>Isaria farinosa</i>	3572 3574 3575 3576	
	3578 3579 3580 3582 3583 3584	
	3585 3586 3587 3588 3589 3591	
	3592 3593 5306	
<i>Isaria fumosorosea</i>	3581 3590 3594	
	5260 5261 5262 5263 5264 5265	
	5266 5267 5268 5269 5270 5271	
	5307 5308 5309 5310 5311 5312	
	5313 5314 5315 5316 5317 5318	
	5319 5320 5322 5323 5324 5325	
	5326 5330 5331	
<i>Isaria javanica</i>	3573 3577 3776 3778	
	5259 5321	
<i>Paecilomyces</i> sp.	3772 3774 3775	
	3777 3780 3781 3782 3783 3784	
	3785 3786 3787 3788	
USA, Vermont		
<i>Beauveria bassiana</i>	5278 5279 5280	
<i>Dialeurodes ?citri</i>		
USA, Florida		
<i>Aschersonia aleyrodis</i>	341 342	
<i>Aschersonia goldiana</i>	343	
<i>Dialeurodes citri</i>		
Brazil, Paraná		
<i>Aschersonia</i> sp.	4424 4426 4430	
	4431 4432	
Indonesia, Yogyakarta, Java		
<i>Aschersonia</i> sp.	2351 2397 2398	
Japan		
<i>Aschersonia aleyrodis</i>	992	
<i>Aschersonia placenta</i>	7603	
Mexico		
Unidentified sp.	3304	
Philippines		
<i>Aschersonia</i> sp.	2357 2358	
<i>Aschersonia insperata</i>	2356 2396	
Republic of Georgia		
<i>Aschersonia aleyrodis</i>	9535	
<i>Singhiella simplex</i>		
USA, Florida		
<i>Purpureocillium lilacinum</i>	9610	
<i>Trialeurodes vaporariorum</i>		
<i>Isaria fumosorosea</i>	8716	
Argentina		
<i>Isaria fumosorosea</i>	6916 7051 7204	
	7205 8717 8718 8719 8720 8721	
	8723 8724 8725 8726 8727 8728	
	8729 8730 8928	
<i>Isaria javanica</i>	7477	
<i>Lecanicillium lecanii</i>	7207	
<i>Lecanicillium longisporum</i>	7206	
	7461	
<i>Lecanicillium muscarium</i>	7460	
Canada, Alberta		
<i>Beauveria bassiana</i>	6920 6921 6922	
	6923 6924	
Denmark		
<i>Lecanicillium lecanii(?)</i>	4060	
<i>Verticillium lecanii</i>	4061	
India		
<i>Purpureocillium lilacinum</i>	3846	
Kazakhstan		
<i>Beauveria bassiana</i>	9451	
Malaysia		
<i>Isaria farinosa</i>	4412	
<i>Isaria fumosorosea</i>	4205 4401 4404	
	4406 4407 4408 4409 4410 4411	
	4413 4414 4415	
Mixed Culture sp.	4403 4402	
Netherlands		
<i>Aschersonia aleyrodis</i>	2268	
Poland		
<i>Lecanicillium muscarium</i>	972	
Sweden		
	923	
United Kingdom		
<i>Lecanicillium muscarium</i>	5128	
<i>Verticillium lecanii</i>	6544 6547	
USA, Florida		
<i>Isaria fumosorosea</i>	2658	
Hemiptera: Anthocoridae		
<i>Anthocoris nemorum</i>		
Denmark		
<i>Beauveria bassiana</i>	8028	
Hemiptera: Aphididae		
Argentina		
<i>Lecanicillium longisporum</i>	7457	
	7458 7459 7783 7784	
<i>Zoophthora radicans</i>	7455 7788	
	7789	
<i>Zoophthora</i> sp.	7454	
Australia		
<i>Pandora neoaphidis</i>	381	
Canada, Ontario		
<i>Verticillium lecanii</i>	5809	
Colombia		
<i>Isaria fumosorosea</i>	6789	
Commonwealth of Independent States		
<i>Conidiobolus thromboides</i>	58 59 248	
	249 250	
Denmark		
<i>Lecanicillium lecanii(?)</i>	5581	
<i>Verticillium lecanii</i>	4073	
France		
<i>Beauveria bassiana</i>	3120	
<i>Beauveria pseudobassiana</i>	3121	
<i>Conidiobolus obscurus</i>	434	
Unidentified sp.	3122 3125	

India	<i>Lecanicillium muscarium</i> 2659	<i>Acyrtosiphon pisum</i>	<i>Aphis fabae</i>
Israel	<i>Pandora neoaphidis</i> 78	Argentina	Argentina
	Unidentified sp. 4214 4215	<i>Zoophthora radicans</i> 11859	<i>Lecanicillium muscarium</i> 7785
Japan		Australia	<i>Zoophthora radicans</i> 7208
	<i>Conidiobolus</i> sp. 999	<i>Conidiobolus obscurus</i> 834	Denmark
	<i>Conidiobolus thromboides</i> 1006	<i>Pandora neoaphidis</i> 827 830 838	<i>Pandora neoaphidis</i> 5995
Malaysia		Commonwealth of Independent States	France
	<i>Isaria fumosorosea</i> 4400	<i>Conidiobolus thromboides</i> 100	<i>Pandora neoaphidis</i> 1606 1611 1981
	Unidentified sp. 4204	Denmark	1985
	<i>Verticillium lecanii</i> 4416 4417 4418	Batkoa	India
	4419 4420 4421 4422 4423 4453	<i>apiculata</i> 2504	<i>Fusarium</i> sp. 8277 8278 8287
	4454 4455 4456 4457	France	Poland
	<i>Verticillium</i> sp. 4194 4195 4203	<i>Pandora neoaphidis</i> 1598 1605 1609	<i>Conidiobolus thromboides</i> 242 244
	4398 4399	Laboratory manipulation	245 246 247 630 631 632 633 634
Mexico		<i>Conidiobolus obscurus</i> 832 1741	635
	<i>Lecanicillium lecanii</i> 6887	<i>Pandora neoaphidis</i> 4934	<i>Pandora neoaphidis</i> 608 609 610
	<i>Lecanicillium longisporum</i> 8042	Russian Federation	611 612 613 614 636 637 638 639
Pakistan		<i>Conidiobolus thromboides</i> 6662	United Kingdom
	<i>Fusarium acutatum</i> 3704 3707	Spain	<i>Conidiobolus thromboides</i> 42 1735
	Sterile mycelium 3703 3705 3712	<i>Pandora neoaphidis</i> 1603	USA, Washington
Russian Federation		Switzerland	<i>Conidiobolus</i> sp. 3383
	<i>Lecanicillium psalliotae</i> 9474	<i>Pandora neoaphidis</i> 7937	<i>Pandora neoaphidis</i> 3238 3241
USA, California		Syria	Yugoslavia, Vojvodina
<i>Pandora neoaphidis</i> 6902		Unidentified / Zygomycetes 6119	<i>Pandora neoaphidis</i> 2019 2020
USA, Florida		6160	Unidentified / Zygomycetes 2022
<i>Isaria fumosorosea</i> 3682		United Kingdom	<i>Aphis glycines</i>
USA, Hawai'i		<i>Conidiobolus coronatus</i> 1738	USA, Minnesota
<i>Cladosporium cladosporioides</i> (?)		USA, Idaho	<i>Conidiobolus thromboides</i> 11664
7033		<i>Pandora neoaphidis</i> 3240 6631	USA, New York
<i>Lecanicillium muscarium</i> 7034		USA, Minnesota	<i>Conidiobolus thromboides</i> 7209
USA, Maine		<i>Pandora neoaphidis</i> 11663	7210 7211
<i>Pandora nouryi</i> 199		USA, New York	<i>Pandora neoaphidis</i> 7212 7213 7214
USA, New York		<i>Batkoa apiculata</i> 3130 3136 3140	7226 8607
<i>Beauveria bassiana</i> 4523 4524		<i>Batkoa</i> sp. 3131	<i>Aphis gossypii</i>
<i>Lecanicillium longisporum</i> 7923		<i>Conidiobolus obscurus</i> 3132 3133	Brazil, Rio de Janeiro
USA, Vermont		3134 3135 3137 3138 3139 3141	<i>Cladosporium herbarum</i> 4361
<i>Lecanicillium evansii</i> (?) 11797		<i>Pandora neoaphidis</i> 2583 2584 2585	India
Unidentified / Hyphomycetes 6503		2587 2588 2589 2591 2592 2593	<i>Fusarium</i> sp. 7233
6157 6158 6159 6507 6508 6509		2594 2754 2755 2756 2757 2758	Israel
6510 6511		2760 2761 2762 2763 2766 2767	<i>Conidiobolus thromboides</i> 83 194
<i>Verticillium lecanii</i> 5166		2768 2769 2773 2781 2782 2783	Turkey
USSR		2784 2837 2838 2839 2840 2842	<i>Fusarium</i> sp. 5726 5727 5728
Unidentified sp. 3894		2844 2845 2846 2847 2848 2851	United Kingdom
Venezuela		2852 2853 2854 2855 2856 2865	<i>Verticillium lecanii</i> 6541
<i>Lecanicillium longisporum</i> 974		2866 2867 2868 2870 2872 2873	USA, Pennsylvania
Yugoslavia		<i>Zoophthora occidentalis</i> 2841 3027	<i>Beauveria bassiana</i> 5493 5494
<i>Conidiobolus</i> sp. 1426		3028 3029 3071 3073	<i>Aphis rumicis</i>
<i>Pandora neoaphidis</i> 1695		USA, Washington	Switzerland
Unidentified sp. 1693 1694		<i>Pandora neoaphidis</i> 3234 3237	<i>Lecanicillium lecanii</i> 7530
Yugoslavia, Belgrade		Yugoslavia, Vojvodina	<i>Brachycaudus amygdalinus</i>
<i>Batkoa major</i> 1427		<i>Pandora neoaphidis</i> 2017 2018	Israel
<i>Erynia</i> sp. 2279		<i>Anoecia corni</i>	<i>Zoophthora radicans</i> 75
<i>Pandora neoaphidis</i> 1696 2016 2298		Switzerland	<i>Brachycaudus helichrysi</i>
<i>Acyrtosiphon kondoi</i>		<i>Zoophthora aphidis</i> 425	United Kingdom
Australia		<i>Aphidula</i> sp.	<i>Verticillium lecanii</i> 6540
<i>Batkoa apiculata</i> 839		France	<i>Brevicoryne brassicae</i>
<i>Conidiobolus obscurus</i> 354 824		<i>Pandora neoaphidis</i> 1610 1615	Argentina
<i>Entomophthora chromaphidis</i> 1860		<i>Aphis</i> sp.	<i>Zoophthora radicans</i> 11861
1862 1863		Canada, Québec	Brazil, Paraná
<i>Pandora kondoiensis</i> 369 825 828		<i>Conidiobolus obscurus</i> 124	Sterile mycelium 4376
836 837		<i>Pandora neoaphidis</i> 128	Denmark
<i>Pandora nouryi</i> 362		USA, Washington	<i>Pandora neoaphidis</i> 5371 5372 5373
		<i>Pandora neoaphidis</i> 3410	5374
		<i>Aphis armata</i>	France
		France	<i>Pandora neoaphidis</i> 1613 1616 1617
		<i>Conidiobolus obscurus</i> 133 355	

Japan	Turkey	<i>Macrosiphum rosae</i>
<i>Batkoa apiculata</i> 1146	<i>Beauveria bassiana</i> 3154 3155 3156	France
United Kingdom	3157 3158 3166 3167 3168 3169	<i>Pandora neoaphidis</i> 1986 1987
<i>Verticillium lecanii</i> 5131	<i>Beauveria pseudobassiana</i> 3153	<i>Metopolophium dirhodum</i>
USA, New York	USA, Colorado	France
<i>Cladosporium</i> sp. 4795	<i>Pandora neoaphidis</i> 3081 3082	<i>Conidiobolus obscurus</i> 97
Yugoslavia	USA, Idaho	South Africa
<i>Lecanicillium lecanii</i> 1787	<i>Beauveria bassiana</i> 2861 2864 2879	<i>Pandora neoaphidis</i> 5707 5708
<i>Pandora neoaphidis</i> 1784 1785 1786	2882	USA, Idaho
1824 1825 1826 1827 2124 2128	<i>Lecanicillium muscarium</i> 2862 2877	<i>Conidiobolus coronatus</i> 2812 2813
Yugoslavia, Belgrade	2878	2814
<i>Conidiobolus</i> sp. 2130 2294	Unidentified / Zygomycetes 4970	<i>Conidiobolus thromboides</i> 2828
<i>Pandora neoaphidis</i> 2108 2109 2110	4971	2829 2849 2850
2112 2114 2115 2116 2117 2118	USA, New York	<i>Pandora neoaphidis</i> 2874 2875 2876
2119 2120 2121 2122 2280 2293	<i>Beauveria bassiana</i> 4462 4463 4464	3365 3367
<i>Zoophthora phalloides</i> 2281	4691 4692 4693 4694 4695 4696	Unidentified sp. 3368
Yugoslavia, Bosnia and Hercegovina	4697 4976 4977 4978 4979	<i>Zoophthora radicans</i> 2811
<i>Pandora neoaphidis</i> 2123	<i>Isaria fumosorosea</i> 4698 4699 4700	USA, Montana
<i>Capitophorus</i> sp.	4701 4702 4703 4704 4705 4706	<i>Conidiobolus obscurus</i> 3092
France	4707 4708 4709 4710 4711	<i>Microlophium carnosum</i>
<i>Zoophthora radicans</i> 822	Unidentified / Hyphomycetes 4689	Switzerland
<i>Cavariella theobaldi</i>	4690	<i>Pandora neoaphidis</i> 7938 7939
United Kingdom	<i>Diuraphis tritici</i>	<i>Myzus</i> sp.
<i>Conidiobolus thromboides</i> 101 102	USA, Montana	Spain
363 1733 1734	<i>Conidiobolus thromboides</i> 2914	<i>Pandora neoaphidis</i> 1601 1602
<i>Dactynotus formosanus</i>	<i>Drepanosiphum aceris</i>	<i>Myzus</i> nr. <i>persicae</i>
Japan	Switzerland	France
<i>Pandora neoaphidis</i> 1137	<i>Zoophthora radicans</i> 914 1130	<i>Lecanicillium aphanocladii</i> 2324
<i>Diuraphis noxia</i>	<i>Eriosoma lanigerum</i>	<i>Lecanicillium muscarium</i> 2323 2325
Canada, Alberta	South Africa	2326
<i>Lecanicillium muscarium</i> 3000	<i>Conidiobolus</i> sp. 6659	<i>Myzus ascalonicus</i>
France	<i>Hirsutella illustris</i> 5539	France
<i>Beauveria bassiana</i> 3867	<i>Hyalopterus pruni</i>	<i>Batkoa apiculata</i> 67
<i>Isaria fumosorosea</i> 4383	France	<i>Myzus cerasi</i>
<i>Pandora neoaphidis</i> 3126 3174 3175	<i>Pandora neoaphidis</i> 1596	Norway
Hungary	<i>Hyperomyzus lactucae</i>	<i>Lecanicillium lecanii</i> 6915
<i>Beauveria bassiana</i> 6968 6969	Australia	<i>Lecanicillium muscarium</i> 6914
<i>Beauveria bassiana</i> (?) 6608	<i>Pandora neoaphidis</i> 829 835	<i>Myzus nicotinae</i>
<i>Verticillium lecanii</i> 6606	Chile	USA, Kentucky
Laboratory manipulation	<i>Pandora neoaphidis</i> 833	<i>Pandora neoaphidis</i> 3411 3412 3459
<i>Beauveria bassiana</i> 3215 3890 3891	<i>Lipaphis erysimi</i>	Unidentified sp. 3239
3892 3905 3906 3907 3908 4099	PR China	<i>Myzus persicae</i>
4100 4101 4106 4107 4108 4109	<i>Pandora nouryi</i> 8930 8931	Argentina
4110 4111 4112 4113 4114 4115	<i>Macrosiphoniella sanborni</i>	<i>Lecanicillium lecanii</i> 7462
4116 4117 4118 4119 4120 4121	United Kingdom	<i>Lecanicillium muscarium</i> 7782
<i>Isaria fumosorosea</i> 3824 4459 4460	<i>Lecanicillium longisporum</i> 5126	Brazil, Paraná
4461	<i>Verticillium lecanii</i> 6542	<i>Aspergillus clavatus</i> 4359
<i>Lecanicillium lecanii</i> (?) 3882 3883	<i>Macrosiphum</i> sp.	Commonwealth of Independent States
3884	France	<i>Conidiobolus thromboides</i> 63 99
<i>Lecanicillium muscarium</i> 3861	<i>Pandora neoaphidis</i> 1607 1612	Denmark
<i>Metarhizium anisopliae</i> sensu lato	<i>Macrosiphum akebiae</i>	4078
3822	Japan	<i>Lecanicillium fusisporum</i> 5583
<i>Verticillium lecanii</i> 3862 3881 3902	<i>Pandora neoaphidis</i> 1134	<i>Verticillium lecanii</i> 4075 4076 4077
3903 3904 3909	<i>Macrosiphum euphorbiae</i>	4079
<i>Zoophthora radicans</i> 3163	USA, Idaho	<i>Verticillium</i> sp. 4074
Lesotho	<i>Lecanicillium muscarium</i> 2858	India
<i>Isaria farinosa</i> 6609	USA, Maine	<i>Lecanicillium longisporum</i> 1026
South Africa	<i>Batkoa apiculata</i> 174	Location not specified
<i>Beauveria bassiana</i> 5705 6978 6979	<i>Conidiobolus obscurus</i> 182	<i>Isaria fumosorosea</i> 3458
6980	<i>Conidiobolus thromboides</i> 40	Portugal
<i>Conidiobolus thromboides</i> 4968	<i>Lecanicillium muscarium</i> 204	<i>Pandora neoaphidis</i> 1600
<i>Fusarium</i> sp. 4969	<i>Pandora neoaphidis</i> 181	PR China
<i>Isaria farinosa</i> 6222 6983	<i>Zoophthora occidentalis</i> 207	<i>Pandora neoaphidis</i> 11662
<i>Lecanicillium lecanii</i> 5706	Yugoslavia, Belgrade	Spain
<i>Purpureocillium lilacinum</i> 6985	<i>Erynia</i> sp. 2292	<i>Pandora neoaphidis</i> 2085 2086

United Kingdom <i>Verticillium lecanii</i> 5130 6543	USA, Idaho <i>Fusarium proliferatum</i> 2337	Hemiptera: Cercopidae
USA, Arkansas <i>Pandora neoaphidis</i> 3248 3249 3250 3251	<i>Schizaphis graminum</i>	Argentina <i>Metarhizium anisopliae</i> sensu lato 7474 7475 7476 8376 8527
USA, California <i>Lecanicillium muscarium</i> 3324	Canada, Alberta <i>Conidiobolus thromboides</i> 2955	Brazil <i>Metarhizium anisopliae</i> sensu lato 1899 1902 1911 3147 8498
USA, Florida <i>Conidiobolus thromboides</i> 39	USA, Idaho <i>Beauveria bassiana</i> 2336 2860 2880 2881 2883	Brazil, Bahia <i>Metarhizium anisopliae</i> sensu lato 1282 1299 1379 1382
USA, Maine <i>Batkoa apiculata</i> 129 <i>Conidiobolus thromboides</i> 2 41 57	<i>Pandora neoaphidis</i> 3366	<i>Metarhizium anisopliae</i> sensu stricto 1045
USA, New York <i>Lecanicillium muscarium</i> 8714	USA, Michigan <i>Conidiobolus</i> sp. 1967	Brazil, Pará <i>Metarhizium anisopliae</i> sensu lato 1890 1891 1895
USA, Washington <i>Beauveria bassiana</i> 3385 <i>Conidiobolus</i> sp. 3384 <i>Lecanicillium lecanii</i> 3387	<i>Sitobion</i> sp. <i>Pandora neoaphidis</i> 1597	Ghana <i>Pseudogibellula formicarum</i> 2913
USA, Wisconsin <i>Conidiobolus thromboides</i> 649	France <i>Pandora neoaphidis</i> 1604	Mexico <i>Metarhizium anisopliae</i> sensu lato 3307
<i>Myzus rannaculinum</i>	<i>Sitobion avenae</i>	<i>Metarhizium anisopliae</i> sensu stricto 1912
France <i>Zoophthora phalloides</i> 352	Denmark <i>Pandora neoaphidis</i> 5403 6166	PR China <i>Cordyceps</i> sp. 6349
<i>Nasonovia ribisnigri</i>	USA, Idaho <i>Fusarium</i> sp. 2333	Switzerland <i>Conidiobolus</i> sp. 391
Argentina <i>Pandora neoaphidis</i> 11862 11863 <i>Zoophthora radicans</i> 11860	<i>Lecanicillium muscarium</i> 2334 <i>Lecanicillium psalliotae</i> 2332 <i>Stachybotrys</i> sp. 2863 <i>Verticillium lecanii</i> 2859	USA, New York <i>Zoophthora radicans</i> 800
<i>Ovatus crataegarius</i>	<i>Therioaphis maculata</i>	<i>Aeneolamia postica</i>
Denmark <i>Entomophthora planchoniana</i> 6251 6252	Australia <i>Zoophthora radicans</i> 359 370 823	Costa Rica <i>Fusarium proliferatum</i> 3345
<i>Pemphigus</i> sp.	Israel <i>Zoophthora radicans</i> 103 104 105 106 107 108 109 110 111 112 114 139	<i>Aeneolamia varia</i>
United Kingdom <i>Metarhizium pemphigi</i> 7491	Mexico <i>Zoophthora radicans</i> 379	Colombia <i>Aspergillus</i> sp. 6369 6372
<i>Pemphigus betae</i>	USA <i>Pandora nouryi</i> 366	<i>Metarhizium anisopliae</i> sensu lato 6319 6342 6343 6345 6346
USA, Arizona <i>Cladosporium cladosporioides</i> 3463 <i>Lecanicillium muscarium</i> 3464	USA, California <i>Conidiobolus obscurus</i> 74 <i>Conidiobolus thromboides</i> 15 29 115 208	<i>Metarhizium anisopliae</i> sensu stricto 798 6347 <i>Trichoderma viride</i> (?) 6344 Unidentified sp. 6370
<i>Pemphigus trehernei</i>	USA, Illinois <i>Erynia</i> sp. 1666	Trinidad and Tobago <i>Metarhizium anisopliae</i> sensu stricto 3621
United Kingdom <i>Metarhizium anisopliae</i> sensu lato 6570 <i>Metarhizium pemphigi</i> 6569	USA, New York <i>Zoophthora radicans</i> 237 238 239	<i>Deois</i> sp.
<i>Rhopalosiphum insertum</i>	<i>Therioaphis trifolii</i> f. <i>maculata</i>	Brazil, Mato Grosso <i>Conidiobolus</i> sp. 2147
France <i>Conidiobolus thromboides</i> 73	Israel <i>Zoophthora radicans</i> 3737	Brazil, Paraná <i>Metarhizium anisopliae</i> sensu lato 2521
<i>Rhopalosiphum maidis</i>	<i>Toxoptera aurantii</i>	<i>Deois flavopicta</i>
USA, Montana <i>Batkoa apiculata</i> 3088 3091 <i>Conidiobolus obscurus</i> 3089 3090	Colombia <i>Fusarium</i> sp. 6790	Brazil <i>Metarhizium anisopliae</i> sensu stricto 2517
<i>Rhopalosiphum nymphaeae</i>	<i>Toxoptera citricida</i>	Brazil, Bahia <i>Metarhizium anisopliae</i> sensu stricto 1900
USA, Florida <i>Lecanicillium longisporum</i> 321	Argentina <i>Lecanicillium longisporum</i> 2460 <i>Lecanicillium</i> sp. 2009	Brazil, Distrito Federal <i>Beauveria bassiana</i> 3019 <i>Purpureocillium lilacinum</i> 3481
<i>Rhopalosiphum padi</i>	Dominican Republic <i>Verticillium lecanii</i> 6144 6145	Brazil, Espírito Santo <i>Metarhizium anisopliae</i> sensu lato 925
Denmark <i>Batkoa apiculata</i> 5994 <i>Conidiobolus obscurus</i> 5992 <i>Conidiobolus osmodes</i> (?) 5993	<i>Uroleucon</i> sp.	<i>Metarhizium anisopliae</i> sensu stricto 1044
Hungary <i>Beauveria bassiana</i> 6970	Canada, Québec <i>Conidiobolus obscurus</i> 121 122 <i>Conidiobolus thromboides</i> 120	Brazil, Goiás <i>Beauveria bassiana</i> 806
Japan <i>Conidiobolus obscurus</i> 1131	<i>Uroleucon ambrosiae</i>	
South Africa <i>Cladosporium</i> sp. 11866 11865 3374	Mexico <i>Lecanicillium lecanii</i> 6886	
USA, Colorado <i>Batkoa apiculata</i> 3080	<i>Uroleucon formosanus</i>	
	Japan <i>Pandora neoaphidis</i> 993	

- Metarhizium anisopliae* sensu lato
729 759 782 955 1970
Purpureocillium lilacinum 2078
Brazil, Mato Grosso
Conidiobolus sp. 2148
Deois incompleta
Brazil, Pará
Metarhizium anisopliae sensu lato
1449
Kanaima fluvialis
Argentina
Metarhizium anisopliae sensu lato
8377
Mahanarva andigena
Colombia
Fusarium sp. 6460 6461 6464
Mahanarva fimbriolata
Brazil, São Paulo
Metarhizium anisopliae sensu
stricto 7979 7981
Mahanarva posticata
Brazil, Bahia
Metarhizium anisopliae sensu lato
1896
Metarhizium anisopliae sensu
stricto 1894
Metarhizium rileyi 1898
Brazil, Pernambuco
Metarhizium anisopliae sensu
stricto 2627 7980
Mahanarva sp.
Colombia
Metarhizium anisopliae sensu lato
6321 6322
Prosapia nr. bicincta
Costa Rica
Fusarium austroamericanum 4713
Fusarium meridionale 4715
Fusarium sp. 4714
Prosapia plagiata
Costa Rica
Sterile mycelium 4712
Prosapia simulans
Costa Rica
Unidentified sp. 3536
Zulia carbonaria
Colombia
Beauveria bassiana 6459
Curvularia sp. 6367 6465
Metarhizium anisopliae sensu lato
6457 6468
Paecilomyces crustaceus(?) 6462
6467
Paecilomyces lilacinus(?) 6458
Unidentified sp. 6463 6466
Zulia colombiana
Colombia
Fusarium oxysporum(?) 6355
Fusarium sp. 6348 6351 6352 6353
6354 6358
Metarhizium anisopliae sensu lato
6356
Penicillium sp. 6357 6359
Zulia entreriana
Brazil, Mato Grosso
Beauveria bassiana 477
- Zulia pubescens*
Colombia
Fusarium proliferatum 6320
Fusarium sp. 6375 6576
Metarhizium anisopliae sensu lato
6323
Metarhizium anisopliae sensu
stricto 6317 6318
Purpureocillium lilacinum 6340
Zulia vilior costarricensis
Costa Rica
Mucor sp. 3535
- Hemiptera: Cicadellidae**
Batkoa apiculata 5552
Brazil, Goiás
Entomophaga australiensis 743
Pandora delphacis 1238 1936
Zoophthora radicans 1495 1587
1591 2196
Brazil, Mato Grosso
Beauveria bassiana 945
Brazil, Paraná
Zoophthora radicans 1239
Brazil, São Paulo
Metarhizium brasiliense 2948
India
Sterile mycelium 3702
Japan
Zoophthora radicans 1263
Philippines
Conidiobolus coronatus 419 421 422
Hirsutella guyana 2352 2387
Metarhizium album 2081
Metarhizium minus 2339
Metarhizium sp. 2353
PR China
Cordyceps sp. 6281
Russian Federation
Beauveria bassiana 7590 9443
Purpureocillium lilacinum 9523
USA, Hawaii
Beauveria bassiana 8710 8711
Cladosporium sp. 7039
Lecanicillium muscarium 7037
Sporothrix sp. 7038
USA, Illinois
Zoophthora radicans 2549 2551
2552
Balacha melanocephala
Argentina
Beauveria bassiana 7464 7465 7467
7469 8370 8459 8460 8528 8529
Cicadella sp.
Australia
Entomophaga australiensis 328
Cofana spectra
Indonesia, Sulawesi Utara, Celebes
Metarhizium album 2082
Empoasca sp.
Israel
Zoophthora radicans 3623
Yugoslavia
Zoophthora radicans 2282 2283
2284 2285 2288 2289
- Yugoslavia, Belgrade
Zoophthora radicans 2241 2242
2243 2244 2245 2246 2286 2287
Empoasca fabae
Laboratory manipulation
Zoophthora radicans 3355
Location not specified
Zoophthora radicans 2400
USA, Illinois
Zoophthora radicans 1938 2550
2716 2717 2718 2719 2720 3283
3284
USA, Michigan
Zoophthora radicans 2977 2978
2979 2980
USA, New York
Batkoa major 2936 3102 3103
Conidiobolus coronatus 3099 3109
Conidiobolus thromboides 3129
Pandora delphacis 3072 3093 3094
3095 3096 3106 3107
Unidentified sp. 3128
Zoophthora radicans 3104 3105
3376 3377 3390 4520
USA, Wisconsin
Zoophthora radicans 1018 1019
1020 1021 1261 1262
Empoasca fabae
Laboratory manipulation
Zoophthora radicans 3697
Empoasca kraemeri
Brazil
Trichoderma sp. 807
Zoophthora radicans 3026
Brazil, Ceará
Hirsutella guyana 2993
Hirsutella sp. 2644 2645 2646 2647
2648 2649 2650 2651 2652 2653
2654 2655 2656 2657 2992
Brazil, Goiás
Entomophaga sp. 1230 1625
Zoophthora radicans 789 790 1492
1493 1494 1496 1497 1498 1499
1500 1501 1502 1503 1504 1541
1542 1543 1544 1581 1582 1583
1584 1585 1586 1588 1589 1590
1593 1594 1595 1928 1929 1930
1931 1932 1933 1934 1935 1937
Brazil, Rio Grande do Norte
Entomophaga australiensis 791
Hirsutella guyana 878 879 881 882
883
Brazil, Rio Grande do Sul
Zoophthora radicans 1227
Brazil, Santa Catarina
Zoophthora radicans 1228 1229
1231 1232 1233 1234 1236 1237
Brazil, São Paulo
Zoophthora radicans 2994 2995
2996 3002 3003 3004 3005 3006
3007 3008 3009 3010 3011 3012
3013
Empoasca vitis
Laboratory manipulation
Entomophaga praxibuli 3058
Zoophthora radicans 3151 3172

Location not specified	<i>Metarhizium anisopliae</i> sensu lato	Republic of Korea
<i>Zoophthora radicans</i> 3162	543	<i>Beauveria bassiana</i> 6723
Yugoslavia	<i>Metarhizium minus</i> 1546 1547	Sri Lanka
<i>Zoophthora radicans</i> 2703 2709	Unidentified / Hyphomycetes 2177	<i>Fusarium</i> sp. 1828
2712 3114 3116	PR China	Ukraine
Yugoslavia, Belgrade	<i>Paecilomyces</i> sp. 680	<i>Isaria farinosa</i> 9513
<i>Zoophthora radicans</i> 2696 2700	<i>Pandora delphacis</i> 659 660	USA, Hawaii
2701 2702 2706 2708 2713 3119	<i>Sonesimia grossa</i>	<i>Acremonium</i> (?) sp. 7036 7035
3149 3150 3159 3160 3164 3165	Argentina	<i>Ceroplastes</i> sp.
<i>Hauptida distinguenda</i>	<i>Clonostachys rosea</i> 7472	Colombia
France	<i>Typhlocyba</i> sp.	<i>Lecanicillium lecanii</i> 6791
<i>Zoophthora radicans</i> 2256 2257	Yugoslavia	USA, Mississippi
2258 2259 2260 2261 2262	<i>Zoophthora radicans</i> 3115	<i>Lecanicillium muscarium</i> 7375
<i>Idiocerus nitidulus</i>	Yugoslavia, Belgrade	<i>Coccus hesperidum</i>
Malaysia	<i>Zoophthora radicans</i> 3170 3171	Iran
<i>Hirsutella versicolor</i> 4512	Hemiptera: Cicadidae	<i>Lecanicillium lecanii</i> (?) 6289
<i>Idioscopus clypealis</i>	Argentina	<i>Coccus viridis</i>
Philippines	<i>Metarhizium robertsii</i> 3925	Colombia
<i>Hirsutella verticillioides</i> 2599	Brazil	<i>Lecanicillium muscarium</i> 6792
<i>Molopopterus theae</i>	<i>Metarhizium anisopliae</i> sensu lato	India
South Africa	4095	<i>Fusarium</i> sp. 2232
<i>Beauveria bassiana</i> 6982	Japan	Indonesia, Java
<i>Zoophthora radicans</i> 6605	<i>Beauveria bassiana</i> 7256 7258	<i>Lecanicillium lecanii</i> 2149 2150
<i>Nephotettix bipunctata cincticeps</i>	Mexico	Indonesia, Jawa Barat, Java
Indonesia, Sulawesi Selatan, Celebes	<i>Beauveria bassiana</i> 2544	<i>Verticillium lecanii</i> 5153
<i>Conidiobolus coronatus</i> 597	PR China	Sri Lanka
<i>Conidiobolus</i> sp. 605 606	<i>Beauveria bassiana</i> 11712	<i>Lecanicillium muscarium</i> 1774
Japan	<i>Purpureocillium lilacinum</i> 6247	<i>Neolecanium cornuparvum</i>
<i>Beauveria bassiana</i> 1553 1554 1555	Russian Federation	USA, Vermont
1556	<i>Metarhizium</i> sp. 7645	<i>Colletotrichum</i> sp. 10308
Malaysia	<i>Cicadetta puer</i>	<i>Parthenolecanium</i> sp.
<i>Conidiobolus coronatus</i> 520	Australia	Turkey
Philippines	<i>Ophiocordyceps heteropoda</i> 1880	<i>Lecanicillium muscarium</i> 11736
<i>Entomophaga</i> sp. 1126	<i>Entomophaga australiensis</i> 331 365	USA, Rhode Island
PR China	<i>Cryptotympana facialis</i>	<i>Colletotrichum</i> sp. 12083 12072
<i>Beauveria amorpha</i> 656	Republic of China	12073 12074 12075 12076 12077
<i>Beauveria bassiana</i> 708	<i>Metarhizium viridulum</i> 6927	12078 12079 12084
<i>Beauveria brongniartii</i> 678	<i>Magiicada septendecim</i>	<i>Lecanicillium muscarium</i> 12053
<i>Trichothecium</i> sp. 653	USA, Maryland	<i>Lecanicillium</i> sp. 12052 12054
<i>Nephotettix cincticeps</i>	<i>Beauveria brongniartii</i> 7376	12055 12056 12057 12058 12059
Japan	USA, New York	12060 12061 12062 12063 12064
<i>Beauveria bassiana</i> 1098	<i>Massospora cicadina</i> 374	12065 12066 12067 12068 12069
Philippines	<i>Mogannia hebes</i>	12070 12071 12080 12081 12082
<i>Metarhizium pingshaense</i> 2043	Republic of China	Unidentified / Hyphomycetes
<i>Pandora delphacis</i> 458 459 460 461	<i>Isaria sinclairii</i> 6925	12085
478	<i>Pomponia linearis</i>	<i>Parthenolecanium corni</i>
<i>Nephotettix virescens</i>	Republic of China	Czechoslovakia
Indonesia, Jawa Barat, Java	<i>Metarhizium cylindrosporum</i> 6926	<i>Lecanicillium muscarium</i> 8041
<i>Metarhizium pingshaense</i> 2106	Hemiptera: Cixiidae	Russian Federation
Indonesia, Sulawesi Selatan, Celebes	<i>Myndus crudus</i>	<i>Lecanicillium</i> sp. 7622
<i>Metarhizium anisopliae</i> sensu	USA, Florida	<i>Simplicillium lanosoniveum</i> 7623
stricto 2153	<i>Hirsutella citrififormis</i> 1035 1446	Unidentified / Hyphomycetes 9538
Philippines	<i>Oliarus dimidiatus</i>	USA, Vermont
<i>Hirsutella strigosa</i> 2197	Argentina	<i>Hirsutella lecanicola</i> 8888
<i>Metarhizium album</i> 1840 1941 1942	<i>Beauveria bassiana</i> 7776	<i>Phytokermes hemichryphus</i>
1943 2176 2178	<i>Conidiobolus</i> sp. 7786 8378	Denmark
<i>Metarhizium minus</i> 1945	Hemiptera: Coccidae	<i>Verticillium lecanii</i> 4025
<i>Oncometopia tucumana</i>	Brazil, São Paulo	<i>Pulvinaria aurantii</i>
Argentina	<i>Aschersonia</i> sp. 10276	Iran
<i>Clonostachys rosea</i> 7200	Ecuador	<i>Verticillium lecanii</i> 6287 6291
<i>Pawiloma victima</i>	<i>Verticillium lecanii</i> 2916	<i>Pulvinaria elongata</i>
Argentina	Mexico	India
<i>Beauveria bassiana</i> 8371	<i>Lecanicillium lecanii</i> 6888	<i>Fusarium sacchari</i> 2145
<i>Recilia dorsalis</i>		<i>Pulvinaria floccifera</i>
Philippines		Turkey
<i>Metarhizium album</i> 2179		<i>Lecanicillium muscarium</i> 980

- Pulvinaria iceryi*
Mauritius
Acremonium sp. 11667
- Saissetia oleae*
Israel
Lecanicillium muscarium 1029
- Hemiptera: Coreidae**
Leptoglossus fulvicornis
USA, Florida
Beauveria bassiana 3086
- Hemiptera: Cydnidae**
? *Cirtonemus* sp.
Brazil, Goiás
Metarhizium robertsii 1952
- Scaptorea castanea*
Brazil, Goiás
Metarhizium pingshaense 1448
- Hemiptera: Delphacidae**
Indonesia, Jawa Barat, Java
Hirsutella citrififormis 2428
- USA, Hawaii
Beauveria kipuka 7032
Sporothrix sp. 7042
- Delphacodes haywardii*
Argentina
Conidiobolus coronatus 7203
- Delphacodes kuscheli*
Argentina
Aphanocladium sp. 8457 8458
Lecanicillium muscarium 7781
- Delphacodes striatella*
Japan
Zoophthora radicans 1050
- Nilaparvata lugens*
Australia
Conidiobolus coronatus 349
- India
Conidiobolus nr. *coronatus* 1742
1743
Conidiobolus sp. 211
Fusarium proliferatum 3223
Metarhizium anisopliae sensu lato
1745
Metarhizium pingshaense 1724
1725 1726 1727 1728 1729 1744
1823
Pandora delphacis 1730 1731
- Indonesia, Jawa Barat, Java
2146
Beauveria bassiana 2427
Conidiobolus coronatus 1876
Conidiobolus nr. *coronatus* 598
Hirsutella citrififormis 1917 1918
1919 2099 2100 2101 2102 2103
2420 2422 2423 2426
Metarhizium anisopliae sensu
stricto 2080 2421
Pandora delphacis 2091
- Indonesia, Jawa Tengah, Java
Hirsutella citrififormis 2346
- Indonesia, Lampung, Sumatra
Hirsutella citrififormis 532
- Indonesia, Lombok Island
Pandora delphacis 575 579
- Indonesia, Sulawesi Selatan, Celebes
Conidiobolus coronatus 563 565
Conidiobolus sp. 564
Metarhizium pingshaense 576
- Indonesia, Sumatera Selatan, Sumatra
Hirsutella sp. 568
- Indonesia, Sumatera Utara, Sumatra
Entomophaga australiensis 581
Pandora delphacis 580
- Indonesia, Yogyakarta, Java
Conidiobolus nr. *coronatus* 599 600
Conidiobolus sp. 595 596
Hirsutella citrififormis 591
- Japan
Conidiobolus coronatus 997
Pandora delphacis 134 1124 1132
1133 1264 1268
Zoophthora radicans 1125 1136
- Malaysia
Conidiobolus coronatus 512 514 523
524
Conidiobolus sp. 517 522
- Philippines
Conidiobolus coronatus 405 406 418
511
Hirsutella citrififormis 490 684 1036
1062 1063 1064 1243 1244 1245
1246 1249 1251 1252 1253 1254
1255 1256 1257 1258 1259 1436
1549 1550
Hirsutella sp. 1096
Hirsutella strigosa 2044
Isaria fumosorosea 2198
Metarhizium anisopliae sensu lato
457 485 486 487 488 489 1284
1285 1286 1290 1300 1304
Metarhizium brunneum 455
Metarhizium minus 1099 1271 1272
1273 1274 1275 1276 1277 1279
1283 1287 1288 1289 1291 1292
1293 1294 1295 1296 1297 1301
1302 1303 1305 2037
Metarhizium pingshaense 456
- PR China
Beauveria bassiana 654 679 709 714
717 719
Conidiobolus coronatus 655
Conidiobolus lachnodes 700
Fusarium sp. 687
Pandora delphacis 657 664 665 666
667 668 669 670 672 673 674 676
682 686 698 713 716
Zoophthora radicans 685
- Republic of Korea
Fusarium concentricum 2053
Hirsutella repens 2348 2359 2394
Metarhizium koreanum 2038 2039
Torribiella homopterorum 2045
- Solomon Islands
Calcarisporium ovalisporum 1907
Entomophaga sp. 1881
Hirsutella citrififormis 1913
Metarhizium minus 1763 1764 1765
1766 1767 1768 1769 1770 1771
1772 1773
Sporothrix sp. 1908
- Sri Lanka
Hirsutella citrififormis 1837
- Thailand
Conidiobolus coronatus 525 528
Tilletiopsis sp. 527 572 573
- Vietnam
Beauveria bassiana 7592
Metarhizium anisopliae sensu lato
7644
- Sogatella furcifera*
India
Aspergillus sp. 8519
Fusarium sacchari 8282 8283 8285
- Indonesia, Jawa Barat, Java
Pandora delphacis 2092 2093 2095
2096 2409
- Indonesia, Sulawesi Selatan, Celebes
Conidiobolus nr. *coronatus* 602
Conidiobolus sp. 604
Metarhizium rileyi 558
Pandora delphacis 593 603
- PR China
Pandora delphacis 6538 6539
- Sogatodes pusanus*
Indonesia, Jawa Barat, Java
Pandora delphacis 2094
- Hemiptera: Derbidae**
Lydda sp.
Tanzania
Hirsutella sp. 4515
- Hemiptera: Diaspididae**
Aonidiella aurantii
Mexico
Aschersonia turbinata 11868 11869
- Fiorinia externa*
Unidentified / *Hyphomycetes* 7067
- USA, Connecticut
Lecanicillium lecanii(?) 11815
Metarhiziopsis microspora 8676
11843
Myriangium sp. 11852 11853
Myriodontium keratinophilum
11837
- USA, Massachusetts
Metarhiziopsis microspora 8984
8985
- USA, New Hampshire
Metarhiziopsis microspora 11851
- USA, New York
Colletotrichum fioriniae 10219
10220 10221 10222 10223
Metarhiziopsis microspora 8986
8987 8988 11842
Myriangium sp. 11854 11855
Myriangium duriaei 8924 8925
- Lepidosaphes* sp.
Indonesia, Jawa Barat, Java
Fusarium coccophilum 2098
- Lopholeucaspis japonica*
Republic of Georgia
Fusarium sp. 6225
- Melanaspis glomerata*
India
Fusarium proliferatum 2074

Hemiptera: Diaspididae**Hemiptera: Ortheziidae****Fungus by Host and Location**

<i>Melanaspis obscura</i>	Brazil, Rondônia	<i>Dicyphus pallidus</i>
USA, District of Columbia	<i>Hirsutella versicolor</i> 1037	Switzerland
<i>Fusarium coccophilum</i> 821	Mexico	<i>Zoophthora radicans</i> 389
<i>Nuculaspis tsugae</i>	<i>Beauveria bassiana</i> 3312	<i>Leptopterna dolabrata</i>
Japan	Papua New Guinea	Denmark
<i>Hirsutella</i> sp. 1668	<i>Beauveria</i> sp. 2164	<i>Beauveria bassiana</i> 8036
<i>Unaspis citri</i>	<i>Ceresa bubalus</i>	<i>Liocoris tripustulatus</i>
USA, Florida	India	Denmark
<i>Trichoderma</i> sp. 3084	<i>Fusarium</i> sp. 8279	<i>Beauveria bassiana</i> 8025
Hemiptera: Eriococcidae	<i>Gargara</i> sp.	<i>Lygus</i> sp.
<i>Cryptococcus fagisuga</i>	Canada, Québec	France
United Kingdom	<i>Conidiobolus</i> sp. 5405 5406	<i>Beauveria bassiana</i> 1394 1395 1396
<i>Lecanicillium muscarium</i> 3740	USA, Vermont	1397 1404 1405 1406 1407 1408
<i>Verticillium lecanii</i> 3741 3742 3743	<i>Conidiobolus</i> sp. 5404	1409 1410 1411 1412 1413 1414
Hemiptera: Flatidae ?	<i>Kronides</i> sp.	1520 1521 1648 1649 2318 2319
Australia	Argentina	2320 2321 2322 2458 2462
<i>Pseudogibellula formicarum</i> 5765	<i>Beauveria bassiana</i> 7468	Greece
5766	<i>Spissistilus festinus</i>	<i>Beauveria bassiana</i> 1802 1803 1812
Hemiptera: Jassidae	USA, Alabama	1822
Location not specified	<i>Pandora delphacis</i> 2028	Spain
<i>Sporodiniella umbellata</i> 5222	USA, Arkansas	<i>Beauveria bassiana</i> 886 1804 1805
Hemiptera: Lecaniidae	<i>Pandora delphacis</i> 3484	1806 1807 1808 1809 1810 1813
<i>Lecanium viridis</i>	USA, California	1814
Sri Lanka	<i>Beauveria bassiana</i> 8318	USA, New York
<i>Lecanicillium lecanii</i> 555	Hemiptera: Mesoveliidae	<i>Pandora neoaphidis</i> 1570
Hemiptera: Lophopidae	<i>Mesovelia mulsanti</i>	<i>Lygus ?lineolaris</i>
<i>Pyrilla perpusilla</i>	USA, Florida	France
India	<i>Beauveria bassiana</i> 320	<i>Beauveria bassiana</i> 1317 1318 1319
<i>Fusarium sacchari</i> 2143	Hemiptera: Miridae	1320 1321 1322 1323 1324 1325
<i>Fusarium subglutinans</i> 2144	Costa Rica	<i>Lygus hesperus</i>
Hemiptera: Lygaeidae	<i>Beauveria bassiana</i> 3449 3454 3456	USA, California
Kazakhstan	Indonesia, Jawa Barat, Java	<i>Beauveria bassiana</i> 6660 6661
<i>Isaria farinosa</i> 6496	2132	<i>Lygus lineolaris</i>
USA, Hawaii	South Africa	USA, Arkansas
<i>Beauveria bassiana</i> 8706	<i>Isaria farinosa</i> 6607	<i>Beauveria bassiana</i> 3769
<i>Blissus leucopterus</i>	USA, New York	<i>Pandora heteropterae</i> 9266
USA, Kansas	<i>Pandora delphacis</i> 3062	USA, Mississippi
<i>Beauveria bassiana</i> 792 2430	<i>Adelphocoris</i> sp.	<i>Beauveria bassiana</i> 8317 8889
<i>Nysius vinitor</i>	Austria	USA, New York
Australia	<i>Beauveria bassiana</i> 1533 1534 1535	<i>Beauveria bassiana</i> 5808
<i>Beauveria bassiana</i> sensu stricto	1536 1537 1538 1539 1540 1635	USA, Vermont
300	1636 1637 1638 1640 1643	Unidentified / Hyphomycetes
<i>Scolopostethus affinis</i>	<i>Fusarium</i> sp. 1641	6504
Denmark	<i>Trichothecium roseum</i> 1639 1642	<i>Lygus pratensis</i>
<i>Beauveria bassiana</i> 8027	France	France
Hemiptera: Margarodidae	<i>Beauveria bassiana</i> 1516 1517 1523	<i>Beauveria bassiana</i> 2461
<i>Icerya aegyptica</i>	1524 1650 1789 1790 1791 1792	<i>Notostira elongata</i>
Egypt	1793 1794 1795 1796 1797 1798	Denmark
<i>Lecanicillium psalliotae</i> 6581 6582	1799 1800 1801	<i>Beauveria bassiana</i> 8029 8030
<i>Icerya purchasi</i>	Italy	Switzerland
Egypt	<i>Beauveria bassiana</i> 1525 1526 1527	<i>Furia virescens</i> 394
<i>Gliocladium(?)</i> sp. 6579 6583 6580	1528 1529 1531	<i>Zoophthora anglica</i> 916 926
Sri Lanka	<i>Beauveria</i> sp. 1195 1196 1197 1198	<i>Stenodema laevigatum</i>
<i>Lecanicillium muscarium</i> 1033	1199 1200 1201 1202 1203 1204	Denmark
Hemiptera: Membracidae	1205 1206 1207 1208 1209 1210	<i>Beauveria bassiana</i> 8026
Brazil, Bahia	1211 1213 1214 1215 1216 1218	
<i>Beauveria bassiana</i> 3999	1219 1220 1221 1222 1224 1307	Hemiptera: Nabidae
Unidentified sp. 4000	<i>Isaria fumosorosea</i> 1530 1532	<i>Nabis</i> sp.
Brazil, Pará	<i>Trichothecium roseum</i> 1212 1226	Austria
<i>Hirsutella versicolor</i> 1034	1308	<i>Beauveria bassiana</i> 1988
	<i>Trichothecium</i> sp. 1217 1223	Hemiptera: Ortheziidae
	<i>Cyrtorhinus lividipennis</i>	<i>Orthezia insignis</i>
	Philippines	Brazil
	<i>Hirsutella</i> sp. 2208 2209	Unidentified / Hyphomycetes
		7383

Orthezia praelonga
Brazil, Espírito Santo
Penicillium sp. 2643
Brazil, Rio de Janeiro
Colletotrichum gloeosporioides
4360

Orthezia urticae
Russian Federation
Lecanicillium sp. 9466

Hemiptera: Pentatomidae

Austria
Beauveria bassiana 1973 1974
Brazil, Amazonas
Metarhizium anisopliae sensu
stricto 755
Brazil, Goiás
Beauveria bassiana 737
Brazil, Mato Grosso
Beauveria bassiana 944
Costa Rica
Isaria fumosorosea 3429
France
Beauveria bassiana 1984
Malaysia
Purpureocillium lilacinum 531
Republic of Korea
Beauveria bassiana 6722
Cordyceps sp. 4846
Polycephalomyces ramosus 4858
USA, Puerto Rico
Paecilomyces sp. 7075
USA, Vermont
Isaria farinosa 11833

Acanthosoma labiduroides

Nepal
Beauveria bassiana 7273
Republic of Korea
Beauveria bassiana 7240 7246
Unidentified / Hyphomycetes
5698

Aelia sp.
Kazakhstan
Isaria farinosa 6493 6497
Verticillium sp. 6500

Turkey
Cylindrocarpon sp. 5758
Uzbekistan
Beauveria bassiana 6093
Isaria farinosa 6097 6098

Bagrada hilaris
Mexico
Zoophthora radicans 12800 12801
Dolycorus sp.

Turkey
Aspergillus niger 6407
Aspergillus sp. 6405 6406 6408
Beauveria bassiana 6404 6426
Fusarium proliferatum 6411

Edessa mediatubunda
West Indies
Purpureocillium lilacinum 10225

Euschistus heros
Brazil, Goiás
Beauveria bassiana 1478

Halyomorpha halys
USA, New Jersey
Fusarium sp. 10311 10312 10313
10388 10389 10390 10391 11655
10309 10310
Unidentified / Hyphomycetes
10386 10387 10392

Nezara viridula
Argentina
Beauveria bassiana 2011 2457 2516
Brazil
Beauveria bassiana 4092 4093

Brazil, Paraná
Beauveria bassiana 1054
Metarhizium anisopliae sensu lato
1055

Brazil, Santa Catarina
Beauveria bassiana 1474

Brazil, São Paulo
Paecilomyces sp. 3101

India
Aspergillus sp. 8280

Oebalus poecilus
Brazil, Goiás
Beauveria bassiana 2191

Palomena prasina
Turkey
Lecanicillium muscarium 11730
11731 11733 11734
Simplicillium lamellicola 11727
11728 11729 11732 11735 11737
Simplicillium lamellicola(?) 11738

Podisus sp.
Brazil, Paraná
Beauveria bassiana 1457 2519

Scotinophara coarctata
Malaysia
Purpureocillium lilacinum 763
Philippines
Metarhizium anisopliae sensu lato
1432 1548 2341 2342 2343
Metarhizium pingshaense 1545
Sterile mycelium 1435

Tibraca limbativentres
Brazil
Beauveria bassiana 4091

Brazil, Goiás
Beauveria bassiana 933
Metarhizium anisopliae sensu lato
1882 2212 2213 2214
Metarhizium anisopliae sensu
stricto 1883
Purpureocillium lilacinum 2215

Hemiptera: Pseudococcidae

Paracoccus marginatus
India
Lecanicillium aphanocladii 9611
Metarhizium pingshaense 9612
9613

Phenacoccus solani
USA, Florida
Isaria fumosorosea 2247

Phenacoccus solenopsis
India
Aspergillus clavatus 9375

Aspergillus flavus 9376
Cladosporium cladosporioides 9614
Fusarium sp. 9377

Rastrococcus invadens
Togo
Hirsutella cryptosclerotium 4517

Rhizococcus sp.
USA, Florida
Beauveria bassiana 2236
Lecanicillium psalliotae 2234 2235

Hemiptera: Psyllidae

Russian Federation
Engyodontium(?) sp. 9476
Isaria farinosa(?) 7219
Isaria sp. 9517

Diaphorina citri
Mexico
Hirsutella sp. 9605 9606 11755
11757 11758 11759 11760 11761
10230

USA, Florida
Hirsutella citrififormis 8315 9180
11665
Paecilomyces sp. 8316

Heteropsylla cubana
Papua New Guinea
Fusarium lateritium 2304
Fusarium sp. 2303

Philippines
Hirsutella citrififormis 2347 2598

Heteropsylla incisa
Papua New Guinea
Fusarium pseudocircinatum 2301
Fusarium semitectum 2299 2300

Philippines
Isaria fumosorosea 2175

Psyllida etrioza
Canada, Québec
Zoophthora radicans 126

Trioza urticae
Switzerland
Zoophthora radicans 1719

Hemiptera: Reduviidae

Triatoma infestans
Argentina
Beauveria bassiana 7147
Fusarium sp. 7473
Purpureocillium lilacinum 7478

Hemiptera: Rhopalidae

Kazakhstan
Verticillium sp. 6498
Leptocoris sp.
Indonesia, Lombok Island
Beauveria bassiana 560
Indonesia, Yogyakarta, Java
Beauveria bassiana 566
Leptocoris oratorius
Philippines
Beauveria bassiana 1269 1270

Hemiptera: Scutelleridae

Eurygaster sp.
Iran
Beauveria bassiana 10353 10354
10355 10356 10357 10358 10359
10361 10362 11620
Isaria sp. 10360 10363 10364 10365
10366 10367 10368 10369 10370
10371 10372 10373 10374 10375
10376 10377 10379 10380 10381
10382 10383 10384 10385 11631
11632 11633 11634 11635 11636
Kazakhstan
Beauveria bassiana 11618 11619
Isaria farinosa 6481 6490 6495
Purpureocillium lilacinum 6494
6502
Verticillium lecanii 6479
Verticillium sp. 6485
Kyrgyz Republic
Beauveria bassiana 8932 10352
Verticillium sp. 6480
Republic of Kazakhstan
Beauveria bassiana 10351
Isaria sp. 10378
Russian Federation
Beauveria bassiana 6008 6009 6011
6013 6014 6016 6019 6039 6040
6041 6042
Beauveria brongniartii 6023
Beauveria pseudobassiana 6015
6022 6043
Isaria farinosa 6012 6017 6020 6044
Lecanicillium lecanii 6010
Purpureocillium lilacinum 6018
6021 6024 6026
Verticillium lecanii 6025
Syria
Aphanocladium album 5756
Beauveria bassiana 5674 6065 6066
6067 6069 6070 6079 6086 6087
6088 6089 6090 6091 6149
Fusarium sp. 5682 5755 5757
Lecanicillium muscarium 6118
Lecanicillium psalliotae 5681 5683
5763 5835 6071
Purpureocillium lilacinum 6080
6114 6116
Verticillium lecanii 6068 6085
Turkey
5723
Aspergillus niger 5721
Aspergillus ochraceus 5722
Aspergillus sp. 6399
Beauveria bassiana 5665 5725 5753
5762 10348 10349
Beauveria bassiana(?) 5684
Beauveria pseudobassiana 5724
Beauveria sp. 5686
Fusarium culmorum 6400
Fusarium proliferatum 6409 6425
Fusarium sp. 5680 6394 6395 6396
6397 6398 6401 6402 6403 6410
6428 6429
Isaria farinosa 5675 5676 5679
Lecanicillium psalliotae 5666

Uzbekistan
Beauveria bassiana 6056 6060 6072
6073 6076 6083 6115
Purpureocillium lilacinum 6081
6082 6084 6094 6117
Eurygaster integriceps
Iran
Isaria farinosa 6288

Hemiptera: spf. Coccoidea

Ukraine
Lecanicillium muscarium(?) 9463
USA, Puerto Rico
Aschersonia sp. 7085
Unidentified / Hyphomycetes 7076
7081 7086
USA, Wisconsin
Septobasidium carestianum 6473

Hemiptera: spf. Fulgoroidea

Argentina
Isaria fumosorosea 7050

Hemiptera: Tingidae

Corythucha ciliata
France
Beauveria bassiana 812
Leptopharsa heveae
Brazil, Amazonas
Evlachovaea sp. 6638
Lecanicillium aphanocladii(?) 7986
Brazil, Distrito Federal
Evlachovaea sp. 6641
Simplicillium lanosoniveum 6642
Brazil, Mato Grosso
Beauveria bassiana 7984 8637 8638
Evlachovaea sp. 6635 6639 6640
Lecanicillium aphanocladii(?) 7985
Lecanicillium sp. 8639
Simplicillium lanosoniveum 6636
6637
Tolyptocladium cylindrosporium
6634
Unidentified / Hyphomycetes 8640
French Guiana
Simplicillium lanosoniveum 6430
6431 6432
Verticillium lecanii 6651

**Hemiptera: coccoidea: Asterolecani-
idae**

Bambusaspis sp.
Trinidad and Tobago
Verticillium pseudohemipterigenum
5687

Heteroptera

Russian Federation
Ophiocordyceps nutans 7220
Denmark
Beauveria bassiana 4057

Heteroptera: Miridae

Denmark
Beauveria bassiana 4035
Lygus sp.
Denmark
Beauveria bassiana 4053

Hymenoptera

Brazil, Goiás
Conidiobolus sp. 2193
Canada, British Columbia
Paecilomyces sp. 8007 8008
Denmark
Ascospaera major 694
Japan
Beauveria bassiana 7257 7259
PR China
Hymenostilbe sphecephila 6292
Republic of Korea
Beauveria bassiana 7239 7254 7265
Beauveria pseudobassiana 7242
Beauveria sungii 7281
Isaria farinosa 7249 7262
Switzerland
Batkoa apiculata 395
USA, Vermont
Lecanicillium evansii(?) 11804

Hymenoptera: ?Megachilidae

Brazil, Goiás
Beauveria bassiana 957

Hymenoptera: Superfamily Apoidea

Australia
Ascospaera sp. 7368
Brazil, Santa Catarina
Beauveria bassiana 1468

Hymenoptera: Aphelinidae

Eretmocerus californicus
USA, Texas
Isaria fumosorosea 5253 5254 5255
5256 5257 5258

Hymenoptera: Apidae

Republic of Korea
Cordyceps sp. 4851 4844
Apis mellifera
Australia
Ascospaera apis 5142
Ascospaera atra 5147
Ascospaera duoformis 5141
Russian Federation
Beauveria bassiana 7596
Beauveria sp. 7589
Ukraine
Beauveria bassiana 9447
USA, Florida
Ascospaera apis 6362
Beauveria bassiana 5989
USA, Louisiana
Ascospaera apis 13022 13023
13024 13025 13026 13027 13028
13029 13030
USA, Oregon
Ascospaera apis 691 692
USA, Texas
Ascospaera apis 2683 7405 7406
Bombus sp.
Argentina
Beauveria bassiana 7201
USA, Oregon
Ascospaera apis 12634

Fungus by Host and Location

Hymenoptera: Apoidea Hymenoptera: Formicidae

Hymenoptera: Apoidea

PR China
Beauveria bassiana 9595

Hymenoptera: Cephidae

Cephus sp.
PR China
Beauveria bassiana 6793 6794 6795

Cephus cinctus
Beauveria bassiana sensu lato
12489

USA, Montana
Beauveria bassiana sensu lato
12462 12463 12464 12465 12467
12468 12469 12470 12471 12472
12473 12474 12475 12476 12477
12478 12479 12480 12482 12484
12485 12486 12487 12488 12490
12491 12492 12493 12494 12495
12496 12497 12498 12499 12500
12501 12502 12503 12504 12505
12506 12507 12508 12509 12510
12512 12514 12515 12525 12920
12921 12922 12923 12924 12925
12926 12927 12928 12929 12930
12931 12932 12933 12934 12935
12936 12937 12938 12939 12940
12942 12953 12954 12955 12956

Beauveria pseudobassiana 12240
12241 12242 12243 12244 12245
12246 12247 12248

Isaria sp. 12941

Lecanicillium aphanocladii 12481
12483

Metarhizium anisopliae sensu lato
12466

Metarhizium sp. 12511 12516

USA, Nebraska
Beauveria bassiana sensu lato
12943 12944 12945 12946 12947
12948 12949 12950 12951 12952

Hymenoptera: Colletidae

Australia
Ascospaera solina 5146

Hymenoptera: Diprionidae

Diprion pini
Location not specified
Beauveria bassiana 338

Neodiprion tsugae
USA, Alaska
Zoophthora radicans 13

Hymenoptera: Encyrtidae

Anagrus sp.
Mexico
Metarhizium anisopliae sensu lato
3146

Hymenoptera: Eulophidae

USA, New York
Isaria farinosa 11835

Hymenoptera: Eurytomidae

Bephratelloides cubensis
USA, Florida
Beauveria bassiana 2869

Hymenoptera: Formicidae

Fusarium sp. 12039

Brazil, Bahia
Beauveria bassiana 1960

Canada, Alberta
Conidiobolus coronatus 7011

Mexico
Beauveria bassiana 2487

Republic of Korea
Beauveria bassiana 7260

Russian Federation
Isaria farinosa 7728 9510

USA, Arizona
Aspergillus sp. 12050
Beauveria bassiana 12025 12026
Beauveria sp. 11745 11746 11747
12046 12038
Unidentified / Hyphomycetes
12029 12030 12041 12042 12047

USA, New Mexico
Aspergillus sp. 12051 12049
Unidentified / Hyphomycetes
12027 12028

USA, Texas
Beauveria bassiana 12023 12024
Beauveria sp. 11743 11744 12032
12033 12034 12035 12036 12037
12040 12048
Unidentified / Hyphomycetes
12031 12043 12044 12045

France
Beauveria bassiana 5069

Acromyrmex octospinosus
Panama
Escovopsis sp. 5574

Anoplolepis longipes
Papua New Guinea
Aspergillus flavus 2157 2158 2159
Lasiodiplodia theobromae 2170
Purpureocillium lilacinum 2155
Trichoderma sp. 2160 2161

Atta sp.
Brazil
Beauveria bassiana 1831

Brazil, Goiás
Metarhizium anisopliae sensu lato
2510

Mexico
Beauveria bassiana 3285

Atta colombica
Panama
Escovopsis weberi 5576

Atta mexicana
Mexico
Beauveria bassiana 2484 2485 2486

Atta sexdens rubropilosa
Brazil, São Paulo
Metarhizium robertsii 2560

Camponotus sp.
Penicillium sumatrense 7099

Formica rufa
Russian Federation
Beauveria sp. 7597

Formica sp.
USA, Vermont
Verticillium lecanii 5168

Myrmica rubra

United Kingdom
Beauveria bassiana 7533 7534
Metarhizium anisopliae sensu lato
7535 7537 7538
Tolyposcladium cylindrosporium
7539

USA, Maine
Beauveria brongniartii 7058
Hirsutella myrmicarum 11864
Metarhizium anisopliae sensu lato
7059

Myrmica scabrinodis
United Kingdom
Metarhizium anisopliae sensu lato
7536

Paltothyreus tarsatus
Ghana
Akanthomyces gracilis 2910 2919
Sporothrix insectorum 2909 2918

Pogonomyrmex occidentalis
USA, Colorado
Beauveria amorpha 7542
Beauveria bassiana 7540 7541
Evlachovaea sp. 7543 7544
Purpureocillium lilacinum 7545
7546 7547 7548

Solenopsis sp.
Brazil
Beauveria bassiana 2722 2723

Brazil, São Paulo
Beauveria amorpha 2641
Metarhizium robertsii 2561

Solenopsis invicta
Brazil
Beauveria sp. 3859 3860

Brazil, Mato Grosso
Beauveria bassiana 2401 2402 2403
2404 5956 5957 5960 5961 5962
Beauveria bassiana(?) 5959
Unidentified sp. 2640

Uruguay
Beauveria bassiana 5967

USA, Florida
Akanthomyces clavatus 7577
Aspergillus ochraceus(?) 7027
Beauveria bassiana 5973 5974
Hirsutella sp. 7578

USA, Texas
Conidiobolus sp. 2819
Metarhizium brunneum 3738

Solenopsis quinquecuspis
Brazil, Rio Grande do Sul
Beauveria bassiana 5968

Uruguay
Beauveria bassiana 5966

Solenopsis saevissima
Brazil, Minas Gerais
Beauveria bassiana 5965

Brazil, Rio Grande do Sul
Beauveria bassiana 5969

Brazil, São Paulo
Beauveria bassiana 5958 5963

Solenopsis ryloni
USA, California
Beauveria bassiana 5970 5971 5972

- Trachymyrmex* sp.
Panama
Escovopsis aspergilloides 5575
- Hymenoptera: Formicidae: Myrmicinae**
France
Beauveria bassiana 1976 1977 1978 1979
- Hymenoptera: Formicoidea**
Belarus
Isaria farinosa 9514
- Hymenoptera: Ichneumonidae**
Poland
Beauveria pseudobassiana 156
Fusarium lateritium 1331 1416
Lecanicillium muscarium 1330
Ukraine
Beauveria bassiana 9448
Cratichneumon lanius
Poland
Unidentified sp. 1421
- Hymenoptera: Megachilidae**
Beauveria bassiana 7377 7378
Chalicodoma sp.
Australia
Ascospaera subcuticulata 5145
Megachile sp.
Australia
Ascospaera arienoides 5143
Ascospaera flava 5144
Megachile centuncularis
Denmark
Ascospaera prolipeperda 695
Megachile rotundata
Canada, Saskatchewan
Ascospaera larvis 7945 7946
Laboratory manipulation
Ascospaera prolipeperda 696
USA, Nevada
Ascospaera aggregata 689
USA, Oregon
Ascospaera aggregata 690
Ascospaera atra 693
Ascospaera prolipeperda 6363
Aspergillus sp. 6364
Osmia lignaria
USA, Utah
Aspergillus niger 6365
- Hymenoptera: Pamphiliidae**
Japan
Beauveria bassiana 7519 7520 7521
Beauveria bassiana sensu stricto 7518
USA, Maine
Hirsutella gigantea 30
Acantholyda erythrocephala
USA, New York
Isaria farinosa 5548
Pamphilius betulae
Commonwealth of Independent States
Beauveria bassiana 154
Beauveria pseudobassiana 152
- Hymenoptera: Pergidae**
Lophyrotoma zonalis
Australia
Beauveria bassiana 8753
- Hymenoptera: Siridae**
Sirex noctilio
South Africa
Tolypocladium cylindrosporium 5538
USA, Pennsylvania
Beauveria bassiana 12249
- Hymenoptera: Sphecidae**
Mexico
Evlachovaea sp. 2545
- Hymenoptera: subord. Symphyta**
USA, Florida
Beauveria bassiana 5985
- Hymenoptera: Tenthredinidae**
Monophadnus elongatulus
Italy
Evlachovaea sp. 1576
Pristiphora erichsonii
Canada, British Columbia
Isaria farinosa 1851
- Hymenoptera: Tenthredinoidea**
USA, Florida
Paecilomyces sp. 6883
- Hymenoptera: Trichogrammatidae**
USA, Vermont
Lecanicillium evansii(?) 11806
- Hymenoptera: Vespidae**
Brazil, Alagoas
Beauveria bassiana 1953
Brazil, Amazonas
Beauveria bassiana 730
Brazil, Goiás
Beauveria bassiana 2943 2944
USA, Vermont
Mariannaea sp. 11814
Polistes sp.
Brazil, São Paulo
Beauveria bassiana 6513
Vespa sp.
Russian Federation
Lecanicillium sp. 7630
Vespa germanica
Australia
Penicillium sp. 4148
Vespa vulgaris
Canada, Alberta
Beauveria pseudobassiana 2997
- Isoptera**
Brazil, Goiás
Metarhizium anisopliae sensu lato 2949 2951
- Isoptera: Kalotermitidae**
Cryptotermes brevis
Metarhizium anisopliae sensu lato 7927 7928 7930
Metarhizium pingshaense 7929
Kaloterms sp.
Australia
Metarhizium robertsii 7413
Neotermes sp.
Australia
Metarhizium anisopliae sensu lato 8731
- Isoptera: Mastotermitidae**
Mastotermes sp.
Metarhizium anisopliae sensu lato 7506
Mastotermes darwiniensis
Australia
Metarhizium anisopliae sensu stricto 7430 8581 8584 8585 8587 8588 8589
- Isoptera: Rhinotermitidae**
Coptotermes sp.
Australia
Metarhizium anisopliae sensu lato 8063
Metarhizium anisopliae sensu stricto 8089 8093
Metarhizium pingshaense 8092
Coptotermes acinaciformis
Australia
Metarhizium anisopliae sensu stricto 8081 8087 8088
Metarhizium lepidiotae 8064
Coptotermes formosanus
USA, Hawaii
Metarhizium brunneum 3045
USA, Louisiana
Beauveria bassiana 6906 6907 6908
Metarhizium anisopliae sensu lato 6909 6910 6911 8015
Coptotermes frenchi
Australia
Metarhizium anisopliae sensu stricto 8067
Coptotermes lacteus
Metarhizium pingshaense 7431
Australia
Metarhizium anisopliae sensu lato 8231 8232 8233 8234 8235 8236 8503 8504 8506 8507 8508 8509 8510 8511 8512 8513 8514 8516 8517 8518 8531 8532 8533 8535 8538 8539 8540 8541 8575
Metarhizium anisopliae sensu stricto 7432 8072 8073 8074 8094 8095
Metarhizium brunneum 8515 8534 8536 8537
Metarhizium frigidum 7436 7437 7438 7439 7440 7441 7442 7443 7444 7445 7446 7447 7448
Metarhizium lepidiotae 8502
Metarhizium pingshaense 8059 8505

Fungus by Host and Location

Isoptera: Rhinotermitidae

Lepidoptera: Arctiidae

- Metarhizium robertsii* 8542
Reticulitermes flavipes
 Canada, Ontario
Beauveria bassiana 3041
Metarhizium pemphigi 9358
Metarhizium robertsii 9607
Reticulitermes speratus
 Japan
Metarhizium sp. 12563 12570
- Isoptera: Termitidae**
Aspergillus sp. 8633 8634
 Kenya
Ophiocordyceps bisporus 3888
Drepanotermes perniger
 Australia
Metarhizium pingshaense 8062
Macrotermes sp.
 Kenya
Ophiocordyceps bisporus 4518 4843
Microcerotermes sp.
 Australia
Metarhizium anisopliae sensu lato 8591
Metarhizium anisopliae sensu stricto 8590
Nasutitermes acajutlae
 USA, Virgin Islands
Aspergillus niger 7797 7798 7799
Myrothecium sp. 7804 7800 7801 7803
 Unidentified / Hyphomycetes 7802
Nasutitermes corniger
Conidiobolus coronatus 8455
 Panama
Purpureocillium lilacinum 8456
Nasutitermes exitiosus
 Australia
Metarhizium anisopliae sensu lato 8070 8071 8100 8229 8230
Metarhizium anisopliae sensu stricto 8068 8075 8080 8082 8083 8084 8085 8086 8090 8091 8570
Metarhizium brunneum 8069
Metarhizium pingshaense 8061 8097
Metarhizium robertsii 8060
- Lepidoptera**
 Brazil, Ceará
Beauveria bassiana 2637
 Brazil, Goiás
Erynia sp. 1241
Metarhizium rileyi 936
 Brazil, São Paulo
Beauveria bassiana 2633
 Canada
Furia gastropachae 2906
Hirsutella sp. 2581
 Canada, British Columbia
Paecilomyces sp. 7995 8001
 Denmark
Isaria farinosa 7118
 Ecuador
Beauveria sp. 2998
- Indonesia, Jawa Barat, Java
Metarhizium anisopliae sensu lato 2424
 Japan
Entomophaga aulicae 1140 1656
Furia neopyralidarum 1145
 Laboratory manipulation
Metarhizium anisopliae sensu lato 1094
 Mexico
Beauveria bassiana 2857
Isaria farinosa 2822
Polycephalomyces ramosus 7095
 Nepal
Beauveria bassiana 7274
 PR China
Beauveria amorphia 6227
Beauveria bassiana 11708 11716 11717 11719
Beauveria sp. 9596 11709
Cordyceps militaris 6248 11703 11704
Cordyceps pruinosa 11723 11724
Isaria catenianmulata 6240 9601 11722
Isaria cicadae 11726
Isaria farinosa 6245 11721
Isaria tenuipes 6249 11705 11706 11707
Metarhizium guizhouense 6238
Simplicillium lamellicola(?) 11725
Sporothrix insectorum 6286
 Republic of Korea
Beauveria bassiana 11715
Cordyceps isarioides 5688
Cordyceps militaris 4845
 Russian Federation
Beauveria bassiana 7585 7593 9445
Beauveria sp. 7579 7586 7587 7594 7598
Clonostachys rosea 9493
Cordyceps militaris 7809 7810 9484
Cordyceps pruinosa 7221
Cordyceps sp. 7808 7811 9486 7600 7601
Isaria farinosa 7714 7720 7722 7723 7724 7725 7726 7730 7731 7733 7736 7737
Isaria fumosorosea 7743 9520
Isaria tenuipes 7790 9531 9532
Lecanicillium muscarium 7621 7738 9468 9469 9477
Lecanicillium sp. 7624 7625 7626 7627 7628 7629 7632
Metarhizium anisopliae sensu lato 9541
Paecilomyces sp. 7721 7741 7742 7756
 Solomon Islands
Metarhizium rileyi 1879 1893
 Switzerland
Entomophaga sp. 393
Furia virescens 427
Zoophthora radicans 404
 Turkey
Beauveria sp. 5832
- Lecanicillium psalliotae* 5685
 Ukraine
Evlachovaea sp. 7599
Isaria farinosa 7734
Isaria tenuipes 9534
 Unidentified / Hyphomycetes 9540
 United Kingdom
Beauveria bassiana 6557
 USA, Alaska
Sporothrix insectorum 7924
 USA, Hawai'i
Beauveria bassiana 8709
 USA, New York
Cordyceps militaris 4081 4082 4083 4084 4085 4086 4087 4088 4089 4838 4839 4840 4841 4842 5002 5003 5004 5005 5006 5007 5008 5009 5010 5011 5012 5013 5014 5015 5016 5017 5018 5019 5020 5021 5022 5023 5024 5025 5026 5027 5028 5029 5030 5031 5032 5033 5034 5035 5036 5037 5038 5039 5040 5041 5042 5043 5044 5045 5046 5047 5048 5049 5050 5051 5052 5053 5054 5055 5056 5057 5058 5059 5060 5061 5062
Isaria farinosa 3152 4090
Isaria tenuipes 5134 5135
 USA, Oregon
Isaria farinosa 5996
 USA, Pennsylvania
Cordyceps militaris 8012
 USA, Texas
Isaria fumosorosea 5251 5252
 USA, Vermont
Isaria farinosa 11829
Lecanicillium muscarium 11802
 Uzbekistan
Beauveria bassiana 6109
Galactica sp.
 Brazil, Distrito Federal
Metarhizium pingshaense 552
- Lepidoptera: Arctiidae**
Hyphantria cunea
 Italy
Beauveria bassiana 1564
Beauveria pseudobassiana 1565
Isaria fumosorosea 1568 1569 1577 1578 1579
 Republic of Georgia
Isaria fumosorosea 10224
 Turkey
Beauveria bassiana 12165
Beauveria sp. 12168 12169
Isaria catenianmulata(?) 12166
Isaria fumosorosea 12172 12173 12174 12175 12177
 Unidentified / Hyphomycetes 12163 12164 12167 12170 12171 12176 12178 12179 12180 12181
Lophocampa caryae
 USA, Vermont
Pandora sp. 11764
Pyrrharctia isabella
 USA, New York
Isaria farinosa 3017

- Spilosoma niveum*
Japan
Entomophaga aulicae 2372 2373
2374
- Lepidoptera: Bombycidae**
Bombyx mori
Japan
Aspergillus flavus 1003 1010
Beauveria bassiana 302 303 304 305
1007
Beauveria sp. 1040
Isaria fumosorosea 989 1005
Metarhizium brunneum 988
Metarhizium majus 1015
Purpureocillium lilacinum 986
Verticillium lecanii 991
Philippines
Beauveria bassiana 2737
PR China
Beauveria bassiana 718
Isaria fumosorosea 720
Metarhizium guizhouense 703
Metarhizium rileyi 711
South Africa
Beauveria bassiana 5704
- Lepidoptera: Brassolidae**
Brassolis sp.
Colombia
Evlachovaea sp. 2297
Brassolis sophorea
Brazil, Pará
Beauveria bassiana 2619
Evlachovaea sp. 2613
Brazil, São Paulo
Beauveria bassiana 6514
Brazil, Sergipe
Evlachovaea sp. 2620
- Lepidoptera: Castniidae**
Castnia licus
Brazil, Pernambuco
Beauveria brongniartii 1829
- Lepidoptera: Cossidae**
PR China
Cordyceps bassiana 7047
Hirsutella liboensis 9603
Cossula cossus
Italy
Beauveria bassiana 1103 1104 1558
Lecanicillium muscarium 973 1102
Prionoxystus robiniae
USA, Kentucky
Isaria farinosa 2269
Zeuzera pyrina
Italy
Beauveria bassiana 1105
- Lepidoptera: Crambidae**
New Zealand
Metarhizium novozealandicum
3064 8214
Diaphania hyalinata
Mexico
Unidentified sp. 3803
- Lepidoptera: Danaidae**
Danaus plexippus
Beauveria bassiana 7093
Australia
Beauveria bassiana 8891
- Lepidoptera: Eupterotidae**
South Africa
Beauveria bassiana 6984
- Lepidoptera: Gelechidae**
Tuta absoluta
Argentina
Zoophthora radicans 6917
- Lepidoptera: Gelechiidae**
Anacamptis humilis
Uruguay
Zoophthora radicans 4783
Phthorimaea operculella
Australia
Aspergillus flavus 4126
Aspergillus tamaris 4127
Scrobipalpuloides absoluta
Brazil, Rio Grande do Sul
Fusarium sp. 5219
Sitotroga cerealella
South Africa
Evlachovaea sp. 5703
- Lepidoptera: Geometridae**
Japan
Cordyceps militaris 2416
Alosophila pometaria
Canada, Alberta
Isaria farinosa 5368
Enypia griseata
Canada, British Columbia
Entomophaga aulicae 2000
Hibernia defoliaria
Poland
Unidentified sp. 1415 1417
Isturgia exerrariae
South Africa
Beauveria bassiana 6973
Beauveria pseudobassiana 6972
Lambdina athasaria
USA, Vermont
Isaria farinosa 3537 3538
Unidentified sp. 3567 3568 3569
Lambdina fiscellaria fiscellaria
Canada, Newfoundland
Entomophaga aulicae 1991 2900
Zoophthora radicans 72
Lambdina fiscellaria lugubrosa
Canada, British Columbia
Entomophaga aulicae 1990
Rheumaptera hastata
Canada, Ontario
Entomophaga aulicae 2899
- Lepidoptera: Hepialidae**
PR China
Hirsutella sinensis 6282 6284 6285
Oncopera sp.
Australia
Beauveria pseudobassiana 4273
- Oncopera alboguttata*
Australia
Beauveria bassiana 4589 4607 8493
Metarhizium anisopliae sensu lato
7820 7821 7822 7823
Penicillium sp. 4263
Oncopera intricata
Australia
Beauveria bassiana 4258 4672
Microhilum oncoperae 4358 4769
4770 4771
Oncopera intrucata
Australia
Metarhizium anisopliae sensu lato
4234
Orycanus sp.
New Zealand
Metarhizium brunneum 1187
Wiseana sp.
New Zealand
Metarhizium brunneum 4681
- Lepidoptera: Hyblaeidae**
Hyblaea puer
India
Beauveria bassiana 2597
Fusarium brachygibbosum 2595
- Lepidoptera: Incurvariidae**
Paraclemensia sp.
USA
Beauveria bassiana 11614 11615
11616 11617
Paraclemensia acericaulis
Unidentified sp. 3794 3796
Location not specified
Unidentified sp. 3797
Paraclemensia acerifoliella
USA, Vermont
Beauveria bassiana 5492
- Lepidoptera: Lasiocampidae**
Russian Federation
Isaria farinosa 9515
Dendrolimus spectabilis
Japan
Basidiobolus ranarum 1139
Beauveria bassiana 1677
Entomophaga aulicae 1655
Gastropacha orientalis
Japan
Paecilomyces canadensis 990
Malacosoma americanum
Entomophaga maimaiga 6170 6173
6174
USA, Massachusetts
Beauveria bassiana 1
Isaria farinosa 3
Malacosoma disstria
Entomophaga maimaiga 4545
Canada, Ontario
Furia gastropachae 5869 5870 5871
5872
USA, Maryland
Furia gastropachae 5545 5546
USA, New York
5351 7370

Fungus by Host and Location

Lepidoptera: Lasiocampidae

Lepidoptera: Noctuidae

- Entomophaga aulicae* 3602
Furia gastropachae 5541 5542 5543 5544 5547
Metarhizium anisopliae sensu lato 6167
 USA, Vermont
Furia gastropachae 8926
- Lepidoptera: Limacodidae**
Iragoides fasciata
 PR China
Mariannaea pruinosa 5413
Natada michonta
 Brazil, Pará
Paecilomyces sp. 2616 2617 2618
- Lepidoptera: Lycaenidae: Polymmatinae**
Orachrysops ariadne
 South Africa
Cladosporium sp. 6226
Orachrysops subravus
 South Africa
Fusarium sp. 6102
- Lepidoptera: Lymantriidae**
Euproctis chrysoorrhoea
 USA, Maine
Entomophaga aulicae 7140 7141 7142 7143 7144 7145
Leucoma salicis
 Location not specified
Isaria farinosa 38
Lymantria sp.
 Philippines
Metarhizium rileyi 481 482 483
Lymantria dispar
 Canada, Ontario
Beauveria bassiana 2267
Entomophaga maimaiga 3913
 Commonwealth of Independent States
Beauveria bassiana 155
 France
Beauveria bassiana 6205
Isaria fumosorosea 6206
Scopulariopsis sp. 2255
 Unidentified / Hyphomycetes 4899 4900
 Japan
Entomophaga maimaiga 1390 1391 1392 1400 1658 2370 2371 6171 6172 6212 6224 6253 6254 6255 6256 6257 6258 6264 6265 6266 6267 6268 7104 7105 7112 7113 7114 7116 7185 7186 7187 7188 7189
 PR China
Entomophaga maimaiga 7139 7183 7184
 Rumania
Beauveria pseudobassiana 299
 Russian Federation
Entomophaga maimaiga 7127
 USA, Connecticut
Entomophaga maimaiga 2775
- USA, Delaware
Beauveria bassiana 2570 2571 2572 2573
 USA, Maryland
Aspergillus ochraceus 2833
Beauveria bassiana 2831 3404 3530
Beauveria pseudobassiana 3529
Entomophaga maimaiga 5377 5378 5379 5380 5381 5382 5383 5384 5385 5386 5387 5388 5389 5390
Fusarium polyphialidicum 3696
Fusarium sp. 3532
Isaria farinosa 2131 2835 3492 3498 3507 3524 3526 3666
Penicillium sp. 2834 2836
 USA, Massachusetts
Entomophaga maimaiga 2779 5564 6004 6005 6269 6270 6271 6272 7123 7124 7125 7126 7137 7138
Fusarium polyphialidicum 3694
 USA, Michigan
Entomophaga maimaiga 6523 6524 6626 6627 6628 6629 6630 6652 6653 6654 6655 6656 6657 6663 6664 6665 6666 6667 6668 6724 6725 6726 6727 6728 6729 7101 7102 7103 7106 7107 7108 7109 7110 7111 7115
 USA, New Hampshire
Entomophaga maimaiga 2780
 USA, New York
Entomophaga maimaiga 3052 3053 3828 3829 3830 3831 3832 3833 3834 3835 4508 4509 4510 4549 4550 4551 5391 5392 5393 5394 5395 5396 5397 5398 5399 5400 5401 6625
Fusarium polyphialidicum 3692 3693
Isaria farinosa 648 697 2564 3595 3596 3597 3598 3599
Lecanicillium muscarium 3600 3601
 USA, Oregon
Acremonium berkeleyanum 2067
Acrodontium crateriforme 2070
Beauveria bassiana 2054
Fusarium avenaceum 2060
Fusarium merismoides 2059
Humicola sp. 2069
Isaria farinosa 2057
Lecanicillium muscarium 2065 2066
Mortierella histoplasmatoides 2063
Mortierella hyalina 2061
Penicillium thomii 2056
Phialophora malorum 2072
Phoma cava 2071
Pochonia suchlasporia var. *catenata* 2064
 Sterile mycelium 2073
Trichothecium roseum 2055
 USA, Pennsylvania
Beauveria pseudobassiana 3528
Entomophaga maimaiga 7120 7121 7122 7131 7132 7133 7134 7135 7136 7190 7352 7353
Fusarium polyphialidicum 3916
- Isaria farinosa* 20 3221 3491 3499 3500 3506 3523
 USA, Virginia
Beauveria bassiana 3527
Beauveria pseudobassiana 3405
Entomophaga maimaiga 4504 4505 4506 4507 4552 4553 4554 4555 5568 5570 6169 6218
Fusarium polyphialidicum 3695
Fusarium torulosum 3483
Isaria farinosa 3490 3493 3494 3496 3497 3501 3502 3503 3504 3505 3508 3664 3665
 USA, West Virginia
Entomophaga maimaiga 6168
Isaria farinosa 3495 3517 3518 3519 3520 3521 3522 3525 3533
Lecanicillium muscarium 3531
Lymantria dissoluta
 PR China
Beauveria bassiana 6233
Isaria cateniannulata 6242
Orygia vetusta
 USA, California
Entomophaga aulicae 4004 4005 4006 4007 4008
- Lepidoptera: Lyonetiidae**
Leucoptera coffeella
 Nicaragua
Beauveria bassiana 6801 6802 6803 6804 6805 6806 6807 6808 6809
Leucoptera scitella
 Italy
Beauveria bassiana 1115 1117
Metarhizium brunneum 1116
- Lepidoptera: Microlepidoptea**
 Poland
Hirsutella subulata 2227
- Lepidoptera: Noctuidae**
 Brazil
Isaria tenuipes 4096
 Brazil, Mato Grosso
Isaria tenuipes 3939
 Brazil, Paraná
Isaria tenuipes 3938
 Brazil, São Paulo
Metarhizium rileyi 6875
 Canada
Metarhizium guizhouense 2140
 Denmark
Tolypocladium cylindrosporum 2777 2778
 Hungary
Beauveria bassiana 1627 1628 1629
 PR China
Beauveria brongniartii 9599
 Russian Federation
Metarhizium rileyi 9489 9490
Nomuraea sp. 7851
 Switzerland
Furia virescens 470 1129
 USA, Mississippi
Metarhizium rileyi 135

USA, New York	USA, Florida	<i>Rivula atimeta</i>
<i>Entomophaga aulicae</i> 3016	<i>Metarhizium anisopliae</i> sensu	Philippines
? <i>Heliothis</i> sp.	stricto 1080	<i>Isaria farinosa</i> 2344
USA, Georgia	<i>Mamestra brassicae</i>	<i>Metarhizium rileyi</i> 1756 1757 1758
<i>Entomophaga aulicae</i> 251	France	1759 1760 2395
<i>Aedia leucomelas</i>	<i>Isaria javanica</i> 3981	<i>Sesamia calamistis</i>
Japan	Japan	Benin
<i>Entomophaga aulicae</i> 198 998	<i>Entomophaga aulicae</i> 1657 1751	<i>Beauveria bassiana</i> 5649 5654
<i>Agrotis segetum</i>	2362 2367 2368 2369	<i>Sesamia cretica</i>
Denmark	<i>Pandora delphacis</i> 1265	Italy
<i>Isaria farinosa</i> 4010	<i>Mocis</i> sp.	<i>Beauveria bassiana</i> 1118
<i>Alabama argillacea</i>	Colombia	<i>Sesamia inferens</i>
Argentina	<i>Beauveria</i> sp. 590	Indonesia, Jawa Barat, Java
<i>Metarhizium rileyi</i> 7148	<i>Metarhizium anisopliae</i> sensu	<i>Zoophthora radicans</i> 2411
<i>Anticarsia gemmatalis</i>	stricto 587	Japan
Argentina	<i>Mocis frugalis</i>	<i>Paecilomyces</i> sp. 1008
<i>Metarhizium rileyi</i> 2013 2465 2466	Philippines	<i>Simyra henrici</i>
5208 5209 5210 5211 5212 6877	<i>Metarhizium rileyi</i> 1762	USA, Florida
7052 7053 7054 7055 7056 7149	<i>Mocis latipes</i>	<i>Beauveria bassiana</i> 5988
7150 7151 7479 7480 7481 7482	Brazil, Goiás	<i>Spodoptera</i> sp.
7484 7778 7779 7780	<i>Conidiobolus coronatus</i> 1884	Australia
Brazil, Pará	Mexico	<i>Metarhizium rileyi</i> 323 358 380
<i>Metarhizium rileyi</i> 1950	<i>Isaria tenuipes</i> 6889	Brazil, Goiás
Brazil, Paraná	<i>Naranga</i> sp.	<i>Metarhizium rileyi</i> 935
<i>Metarhizium rileyi</i> 3940 6732 6734	Indonesia, Jawa Tengah, Java	India
6736 6737 6738 6739 6740 6741	<i>Metarhizium rileyi</i> 2345	<i>Metarhizium rileyi</i> 6867
6742 6743 6744 6745 6746 6747	<i>Panolis flammea</i>	Location not specified
6748 6749 6764 6765 6766 6767	United Kingdom	<i>Isaria farinosa</i> 2546
6775 6776 6777 6778 6779 6780	<i>Batkoa</i> sp. 6179	Malaysia
6782 6783 6784 6786 6787 6874	<i>Beauveria bassiana</i> 6100 6101 6177	<i>Metarhizium anisopliae</i> sensu lato
6878	6178	8735
Brazil, Rio Grande do Sul	<i>Plathyrena scabra</i>	<i>Metarhizium majus</i> 8736
<i>Metarhizium rileyi</i> 2201 2202 2203	USA, Florida	Philippines
2204 2205 2207	<i>Metarhizium rileyi</i> 6871 6881	<i>Fusarium</i> sp. 2736
Mexico	USA, Missouri	<i>Isaria fumosorosea</i> 2734
<i>Metarhizium brunneum</i> 3295	<i>Metarhizium rileyi</i> 762	<i>Metarhizium pingshaense</i> 2735
<i>Metarhizium rileyi</i> 2492	<i>Plusia</i> sp.	<i>Spodoptera exigua</i>
USA, Florida	Japan	Thailand
<i>Metarhizium rileyi</i> 6868 6869 6870	<i>Metarhizium rileyi</i> 1047	<i>Metarhizium rileyi</i> 539
6872 6873 6876	<i>Plusiinae</i> sp.	<i>Spodoptera frugiperda</i>
<i>Autographa gamma</i>	Brazil, Paraná	Brazil
France	<i>Metarhizium rileyi</i> 6781 6785 6879	<i>Metarhizium rileyi</i> 4094
<i>Beauveria bassiana</i> 2253 2254	<i>Prodenia litura</i>	Brazil, Bahia
Japan	Japan	<i>Metarhizium rileyi</i> 1972
<i>Entomophaga aulicae</i> 2363 2365	<i>Metarhizium rileyi</i> 1014	Brazil, Paraná
<i>Helicoverpa</i> sp.	<i>Pseudaletia</i> sp.	<i>Evolachovaea</i> sp. 959
Australia	Canada, Ontario	<i>Metarhizium rileyi</i> 6735 6768 6769
<i>Beauveria bassiana</i> 8066	<i>Entomophaga aulicae</i> 1999	6770 6771 6772 6773 6774
<i>Helicoverpa armigera</i>	<i>Pseudoplusia includens</i>	Mexico
India	USA, Alabama	<i>Beauveria bassiana</i> 3288
<i>Metarhizium rileyi</i> 2413	<i>Erynia</i> sp. 2027	<i>Beauveria</i> sp. 3289
PR China	USA, Florida	<i>Isaria tenuipes</i> 2488 2489 2490 2491
<i>Metarhizium rileyi</i> 6239	<i>Metarhizium rileyi</i> 6866 6882	<i>Metarhizium anisopliae</i> sensu lato
Spain	<i>Pseudoplusia ni</i>	3293
<i>Beauveria bassiana</i> 1149 1166	Brazil	<i>Metarhizium brunneum</i> 3294
<i>Helicoverpa virescens</i>	<i>Acremonium roseum</i> 1964	<i>Metarhizium rileyi</i> 3301 11939
France	<i>Rachiplusia nu</i>	11941 11942 11943
<i>Beauveria bassiana</i> 1314 1315 1316	Argentina	<i>Fusarium verticillioides</i> 3300
Spain	<i>Aspergillus</i> sp. 5205	<i>Spodoptera littoralis</i>
<i>Beauveria bassiana</i> 1788	Brazil, Rio Grande do Sul	France
<i>Helicoverpa zea</i>	<i>Metarhizium rileyi</i> 2206	<i>Beauveria bassiana</i> 1512 1513 3286
USA	<i>Raghuva albipunctella</i>	<i>Spodoptera litura</i>
<i>Metarhizium anisopliae</i> sensu lato	Senegal	India
11637	<i>Fusarium nygamai</i> 2316	<i>Beauveria bassiana</i> 6643 6644 6646
		6647 6648 6650
		<i>Fusarium proliferatum</i> 6649

- Metarhizium anisopliae* sensu stricto 10473
Metarhizium rileyi 6645
Trichoplusia ni
 Mexico
Zoophthora radicans 6003
- Lepidoptera: Noctuidae: Plusiinae**
 Brazil, Paraná
Beauveria bassiana 3937
- Lepidoptera: Notodontidae**
Ellida caniplaga
 Canada, Ontario
Entomophaga aulicae 2903
Heterocampa sp.
 Canada, Ontario
Entomophaga aulicae 2902
Heterocampa biundata
 Canada, Ontario
Entomophaga aulicae 2905
Heterocampa guttivitta
 Canada, Ontario
Entomophaga aulicae 2904
 USA, New York
Entomophaga aulicae 3039 3212
 USA, Vermont
Entomophaga aulicae 2843
Quadicalcarifera punctatella
 Japan
Isaria farinosa 1042
- Lepidoptera: Nymphalidae**
 United Kingdom
Isaria farinosa 981
Agraulis vanillae
 Colombia
Isaria tenuipes 6788
Chlosyne lacinia saundersii
 Brazil, Paraná
Isaria farinosa 1065
Metarhizium anisopliae sensu lato 1059
Metarhizium robertsii 1057
Purpureocillium lilacinum 1058
Opsiophanes cassinae
 Colombia
Purpureocillium lilacinum 5805
- Lepidoptera: Oecophoridae**
Anteotricha sp.
 Brazil, Pará
Evlachovaea sp. 2614 2615
- Lepidoptera: Olethreutidae**
Carpocapsa pomonella
 Austria
Metarhizium brunneum 1095
 Yugoslavia, Serbia
Beauveria bassiana 503
- Lepidoptera: Phycitinae**
Emmalocera depressella
 India
Beauveria bassiana 2417
Fusarium sacchari 2418
- Lepidoptera: Pieridae**
Colias erate poliographus
 Japan
Entomophaga aulicae 2366
Pieris brassicae
 Poland
Zoophthora radicans 1341 1342
 1343 1344 1345 1346
Pieris rapae
 USA, New York
Furia pieris 781
- Lepidoptera: Plutellidae**
Plutella sp.
 Australia
Pandora blunckii 3075
Plutella maculipennis
 Germany
Pandora blunckii 217
Plutella xylostella
 Australia
Isaria fumosorosea 6799 6800
 Benin
Fusarium sp. 5881
Purpureocillium lilacinum 6183
 6197
 Japan
Erynia sp. 983
Pandora blunckii 1000
Zoophthora radicans 1048
 Malaysia
Zoophthora radicans 1100
 Mexico
Pandora blunckii 6293 6294 6295
 6296 6297 6298 6299 6300 6301
 6302 6304 6305 6306 6307 6308
 6309 6310 6311 6312 6316
Zoophthora radicans 6303 6313
 6314 6315
- Philippines
Aspergillus flavus 2818
Aspergillus sp. 2765 2817 2820
Beauveria bassiana 2727 2728 2729
Beniowska sp. 2751
Conidiobolus coronatus 2730
Conidiobolus firmipilleus 2731
Conidiobolus sp. 2771 2772 2815
 2816 3208
Fusarium proliferatum 2776
Geotrichum sp. 2752
Isaria fumosorosea 2749
Pandora blunckii 2824 3200 3202
Pandora sp. 3201 3203 2821
Zoophthora radicans 2732 2893
 3204 3205 3206
- Republic of Korea
Beauveria bassiana 12822
- Romania
Isaria fumosorosea 5874
Metarhizium robertsii 5873
 USA, New York
Beauveria bassiana 4525 4526 4527
 4528 4529 4530 4531 4532 4533
 4534 4535 4536 4537 4538 4539
 4540 4543 6150 6151 6152 6153
Metarhizium anisopliae sensu lato
 4522
- Lepidoptera: Pyralidae**
 Russian Federation
Sporothrix insectorum 9501
Acigona sp.
 Benin
Beauveria bassiana 5647 5648
Chilo infuscatellus
 India
Beauveria sp. 1886
Chilo plejadellus
 Australia
Beauveria bassiana 326
Chilo sacchariphagus
 Mozambique
Fusarium sacchari 7045 7046
Chilo sacchariphagus indicus
 India
Fusarium sacchari 2142
Cnaphalocrocis medinalis
 Indonesia, Jawa Barat, Java
Zoophthora radicans 2410
 Philippines
Beauveria bassiana 2041
Metarhizium rileyi 1761 2174
 Unidentified sp. 1703
Zoophthora radicans 1699
Coniesta sp.
 Benin
Beauveria bassiana 5646
Corcyra cephalonica
 Philippines
Mixed Culture sp. 2738
Diaphania hyalinata
 Mexico
Isaria fumosorosea 3302
Diatraea saccharalis
 Argentina
Beauveria bassiana 5500 5502
 Brazil
Beauveria bassiana 1832 1834 3858
 Brazil, Pernambuco
Beauveria bassiana 1484 2629 3020
 Brazil, São Paulo
Beauveria brongniartii 1830
 Mexico
Cylindrocarpon sp. 8043 8044
Metarhizium anisopliae sensu lato
 3290 3291 3292
 Unidentified sp. 3298 3299 3804
Dioryctria sylvestrella
 Japan
Beauveria bassiana 1001
Hirsutella satumaensis 996
Dioryctria zimmermani
 USA, Michigan
Hirsutella nodulosa 5473
Elasmopalpus lignosellus
 USA, Texas
Trichoderma sp. 5730
Eldana saccharina
 Benin
Beauveria bassiana 5645 5653 5655
Beauveria bassiana(?) 5644
Eoreuma loftini
 USA, Texas
Aspergillus parasiticus 5470

<i>Metarhizium anisopliae</i> sensu lato 5469	Turkey	<i>Metarhizium anisopliae</i> sensu stricto 1489
<i>Metarhizium anisopliae</i> sensu stricto 5471	<i>Beauveria bassiana</i> 8339 8340 8343 8349 8354 8355 8431 8444 8661 8663 8664 8666 8667 8670 8672 8673 8674	Italy <i>Beauveria bassiana</i> 1121
<i>Galleria mellonella</i>	<i>Beauveria</i> sp. 8675 8439 8441 8442 8449	PR China <i>Beauveria bassiana</i> 501 502 533 652
<i>Beauveria bassiana</i> 6894	<i>Isaria fumosorosea</i> 8333 8337 8345 8348 8448	USA, New York <i>Beauveria bassiana</i> 1038 <i>Lecanicillium muscarium</i> 900
<i>Beauveria bassiana</i> (?) 6892	<i>Metarhizium anisopliae</i> sensu lato 8334 8335 8336 8338 8341 8342 8344 8346 8347 8350 8351 8352 8353 8432 8433 8434 8435 8436 8437 8438 8440 8443 8445 8446 8447 8450 8451 8452 8453 8454 8660 8662 8665 8669	USA, Pennsylvania <i>Beauveria bassiana</i> 2976
<i>Isaria fumosorosea</i> 6893	<i>Metarhizium brunneum</i> 8671	<i>Pyrausta machaeralis</i>
Australia	United Kingdom	India <i>Metarhizium globosum</i> 2596
<i>Metarhizium anisopliae</i> sensu stricto 8560	<i>Beauveria bassiana</i> 6556	<i>Scirpophaga excerptalis</i>
Canada, Alberta	<i>Metarhizium anisopliae</i> sensu lato 6558	India <i>Fusarium sacchari</i> 2141
<i>Metarhizium anisopliae</i> sensu lato 8212	USA	<i>Terastia meticulosalis</i>
Canada, Ontario	<i>Beauveria bassiana</i> 11613	Brazil <i>Beauveria bassiana</i> 1836
<i>Metarhizium anisopliae</i> sensu lato 8680 8681 8682 8683 8684 8685 8686 8687 8688 8689 8690 8691 8692	USA, Alaska	Lepidoptera: Riordinidae
Denmark	<i>Beauveria bassiana</i> 7955 7956 7957 7958 7959 7963 7964 7965 7966 7968	<i>Euselasia</i> sp. Brazil, Rio Grande do Sul Unidentified sp. 3467 3468
<i>Beauveria bassiana</i> 8032 8033 8035	<i>Beauveria</i> sp. 7960	Lepidoptera: Saturniidae
<i>Beauveria brongniartii</i> 8034	<i>Isaria farinosa</i> 7961 7962	Costa Rica <i>Beauveria bassiana</i> 843
Greenland	<i>Metarhizium anisopliae</i> sensu lato 7967	<i>Dryocampa rubicunda</i>
<i>Beauveria bassiana</i> 8039 8040	USA, Arizona	Canada, Ontario <i>Entomophaga ulicae</i> 2897
Iran	<i>Metarhizium anisopliae</i> sensu lato 7847	<i>Opodiphthera eucalypti</i>
<i>Beauveria bassiana</i> 6904 6905	USA, California	Australia <i>Beauveria bassiana</i> 8843
Italy	<i>Beauveria bassiana</i> 6147 6148 7060	<i>Schirius</i> sp.
<i>Beauveria bassiana</i> 1113 1114	USA, Maine	Brazil, Paraná <i>Beauveria bassiana</i> 2962
Mexico	<i>Isaria fumosorosea</i> 9380	Lepidoptera: Sesiidae
<i>Metarhizium anisopliae</i> sensu lato 7612 7613 7614 7615	USA, Missouri	South Africa <i>Gliocladium</i> sp. 6632
Nicaragua	<i>Beauveria</i> sp. 12456 12457 12458 12459 12452 12453 12454 12455	<i>Conopia myopaeformis</i>
<i>Purpureocillium lilacinum</i> 8311 8312	USA, Montana	Italy <i>Isaria farinosa</i> 1108
Norway	<i>Beauveria bassiana</i> 6931 6932 6933 6934 6935 6936 6937 6938 6939 6940 6941 6943 6949 6950 6951 6952 6953	<i>Monopetalotaxis doleriformis</i>
<i>Aspergillus flavus</i> (?) 5503 5504 5505 5506 5507 5508 5509	USA, North Carolina	South Africa <i>Beauveria bassiana</i> 6974 6975 6976 6977 6981 <i>Beauveria pseudobassiana</i> 6971
<i>Beauveria bassiana</i> 5510 7552 7553 7554	<i>Isaria farinosa</i> 8770	Lepidoptera: Stenommatinae
<i>Beauveria brongniartii</i> 7555 7556 7557 7558 7559 7560 7561	<i>Metarhizium anisopliae</i> sensu lato 8769	<i>Stenoma decora</i>
<i>Beauveria pseudobassiana</i> 5370 5557	<i>Scopulariopsis brevicaulis</i> 9943	Brazil, Bahia <i>Beauveria bassiana</i> 1479
<i>Beauveria</i> sp. 7562 7563 7564 7565 7566 7567 5560	USA, Oregon	Lepidoptera: Thaumetopoeidae
<i>Isaria farinosa</i> 7574 7575 7576 11656	<i>Beauveria bassiana</i> 7356 7357 7358 7359 7362 7364 7365	<i>Thaumetopoea pityocampa</i>
<i>Isaria fumosorosea</i> 11657 11658 11659	<i>Metarhizium</i> sp. 4998 5000 5076 5077	Turkey <i>Beauveria bassiana</i> 8356
<i>Lecanicillium muscarium</i> 7568	Unidentified / Hyphomycetes 5199	Lepidoptera: Tineidae: Archolophi- nae
<i>Metarhizium anisopliae</i> sensu lato 5369 5513 5514 5515 5516 5517 5518 5519 5521 5554 5555 5556 6475 7014 7015 7016 7017 7018 7019 7020 7021 7022 7023 7024 7025 7026 7569 7570 7571 7572 7573 11661	USA, Washington	USA, Tennessee <i>Cordyceps cardinalis</i> 7192 7193
<i>Metarhizium brunneum</i> 6474	<i>Beauveria</i> sp. 5078 4997 4999 5001	
<i>Metarhizium robertsii</i> 6476	<i>Gymnancyla canella</i>	
Portugal	France	
<i>Metarhizium anisopliae</i> sensu lato 4904 4905 4906	<i>Beauveria bassiana</i> 6796	
<i>Metarhizium robertsii</i> 4903	<i>Ostrinia nubilalis</i>	
Switzerland	France	
<i>Isaria farinosa</i> 7531	<i>Isaria fumosorosea</i> 3983	

Lepidoptera: Tortricidae

USA, Massachusetts
Beauveria bassiana 5169
Adozophyes orana
 Japan
Lecanicillium muscarium 994
Choristoneura sp.
 Canada, British Columbia
Beauveria bassiana 1850
Choristoneura fumiferana
 Canada, New Brunswick
Tolyocladium inflatum 3321
 Canada, Newfoundland
Entomophaga aulicae 2896 2898
 Canada, Ontario
Entomophaga aulicae 1992 1993
 1994 1995 1997 1998 2901
Zoophthora radicans 407
 USA, Maine
Conidiobolus sp. 92 93 94 147 148
Entomophaga aulicae 51 164 165
 166 167 168 172
Hirsutella longicolla var. *cornuta*
 177 178
Zoophthora radicans 21 44 45 50 52
 88 141 142 143 144 145 146 163
 221 223 224 225 226 227 228 229
 230 231 232 233 234 235
Cydia pomonella
Beauveria bassiana 7969
 Australia
Lecanicillium muscarium(?) 1032
 Bulgaria
Beauveria bassiana 6187 6194 6195
 6208 6209
Beauveria pseudobassiana 6181
Isaria farinosa 6207
Isaria fumosorosea 6192
 Canada, Québec
Lecanicillium muscarium 6591
 France
Beauveria bassiana 151 3972 3973
 3974 3975 3977 3978 3979 5064
 5066 5067 5229 5230 5231 5233
 5234 5235 5886 5887 5888 6182
 6184 6186 6189 6191 6196 6201
Beauveria pseudobassiana 6185
Fusarium sp. 3976
Isaria farinosa 5883 5884 5885 6200
 6202
Isaria fumosorosea 6203 6204
Paecilomyces sp. 6193 6198
 Italy
Beauveria bassiana 1122
Lecanicillium lecanii(?) 1109
 Portugal
Beauveria pseudobassiana 3220
 Republic of Georgia
Beauveria sp. 6533 6534 6535 6536
 6537
 United Kingdom
Isaria farinosa 975
Eana argentana
 Japan
Erynia sp. 1143

Epinotia aporema
 Argentina
Zoophthora radicans 5814
 Uruguay
Conidiobolus coronatus 4797
Zoophthora radicans 4781 4782
 4784 4785
Epiphyas postvittana
 New Zealand
Paecilomyces sp. 309
 USA, California
Fusarium sp. 10470
Hedya nubiferana
 France
Beauveria bassiana 6199
Laspeyresia medicagicus
 France
Isaria farinosa 1225
Lobesia botrana
 Italy
Beauveria bassiana 1107 1110
Isaria farinosa 1111
Metarhizium brunneum 1112
Merophyas divulsana
 Australia
Zoophthora radicans 1082
Ptycholoma aeriferana
 Japan
Zoophthora radicans 1674 1675
Rhyacionia frustrana
 USA, Georgia
Beauveria bassiana 5573
Tortrix viridana
 France
Zoophthora radicans 68
 Russian Federation
Lecanicillium sp. 9458

Lepidoptera: Yponomeutidae

Yponomeuta sp.
 France
 Unidentified sp. 3998
Yponomeutidae sp.
 France
Beauveria bassiana 3966 3967 3968
 3969 3970
Beauveria pseudobassiana 3965

Neuroptera: Chrysopidae

Chrysopa sp.
 Commonwealth of Independent States
Beauveria bassiana 153

Odonata: Coenagrionidae

PR China
Beauveria bassiana 11711

Odonata: suborder Anisoptera

USA, New York
Beauveria bassiana 4688

Orthoptera

Brazil, Goiás
Metarhizium anisopliae sensu lato
 728
 Mali
Aspergillus niger 3143

PR China
Beauveria bassiana 6231 9598
Metarhizium anisopliae sensu lato
 6237
 USA
Beauveria bassiana 3622
 USA, Hawai'i
Beauveria bassiana 8704

Orthoptera: ?Gryllacrididae

USA, Tennessee
Beauveria amorpha 6376 6577

Orthoptera: Acrididae

Australia
Beauveria australis 4580 4622
Beauveria bassiana 356 357 8578
 8579
Metarhizium acridum 8609
Metarhizium brunneum 8608
 Brazil, Bahia
Beauveria bassiana 1959
 Brazil, Paraná
Beauveria bassiana 1053
 Ecuador
Metarhizium minus 2023
 France
Beauveria bassiana 1326
 Japan
Entomophaga asiatica 1393
 Madagascar
Beauveria bassiana 5737 5738
Metarhizium anisopliae var.
acridum 5734
Metarhizium acridum 5735
 Mali
Fusarium acuminatum 3218
 PR China
Beauveria bassiana 6230 6232
 11713 11720
 Republic of Georgia
Beauveria bassiana 8695
 Republic of Korea
Beauveria bassiana 7235 7250
Cordyceps sp. 4854
 Russian Federation
Beauveria sp. 4197
 USA, Hawai'i
Beauveria bassiana 7030
 USA, Montana
Beauveria sp. 32
Conidiobolus thromboides 22
 ?*Melanoplus* sp.
 USA, Montana
Sorospora sp. 377
Acrotylus sp.
 Pakistan
Metarhizium pingshaense 3605
Ageneotettix deorum
 USA, North Dakota
Beauveria bassiana sensu lato
 12425 12432
Aiolopus longicornis
 Ethiopia
 6449 6445 6450
Fusarium udum 6446 6447 6451
 6452 6455

- Simplicillium lamellicola* 6448
Aulocara elliotti
 USA, North Dakota
Beauveria bassiana 12207 12213
 12214 12232 12233 12234 12235
 12236
Beauveria bassiana sensu lato
 12253 12263 12269 12274 12275
 12276 12277 12278 12279 12284
 12287 12288 12289 12290 12291
 12293 12294 12295 12296 12299
 12301 12302 12305 12306 12307
 12309 12323 12336
Aulocara femoratum
 USA, North Dakota
Beauveria bassiana sensu lato
 12262 12266 12280 12281 12530
Austracris guttulosa
 Australia
Beauveria bassiana 8751 8752
Metarhizium anisopliae var.
acridum 7970 8359
Metarhizium acridum 324 4605
Camnula pellucida
 USA, Arizona
Entomophaga macleodii 496 618
 619 620 621 624 628 629 765 767
 768 769 773 774 777 778 779
 USA, North Dakota
Beauveria bassiana sensu lato
 12285
 USA, Oregon
Entomophaga macleodii 4948 4949
 4950 4951 4952 4953
Chortoicetes terminifera
 Australia
Metarhizium flavoviride 8758
Dissosteira carolina
 Canada, Ontario
Entomophaga macleodii 375 376
 USA, New York
Entomophaga macleodii 382 499
Hadrotettia sp.
 USA, North Dakota
Beauveria bassiana sensu lato
 12283
Hieroglyphus banian
 India
Penicillium sp. 5335
Locusta migratoria
 Australia
Beauveria bassiana 8846
Locusta migratoria capito
 Madagascar
Metarhizium acridum 5736
Melanoplus sp.
 Greece
Beauveria bassiana 3866 3897 5273
 Spain
Aspergillus sp. 1152
 USA
Beauveria bassiana 3620
 USA, Montana
Beauveria bassiana 12209
 USA, North Dakota
Beauveria bassiana 12221 12223
 12224 12225
Beauveria bassiana sensu lato
 12297 12419 12420 12421 12426
 12427 12428
Melanoplus bivittatus
 Canada, Alberta
Beauveria bassiana 8213
 USA, Arizona
Entomophaga calopteni 497
 USA, Montana
Beauveria bassiana sensu lato
 12356 12357 12358 12359 12367
 12369 12370 12376 12397 12403
 12572
Entomophaga calopteni 408
 USA, North Dakota
Beauveria bassiana 12196 12200
Beauveria bassiana sensu lato
 12252 12254 12255 12258 12265
 12268 12271 12308 12332 12379
 12380 12389 12415 12416 12418
 12423 12431
Isaria sp. 12433
 USA, South Dakota
Entomophaga calopteni 498
 USA, Wyoming
Entomophaga calopteni 390
Melanoplus confusus
 USA, Montana
Beauveria bassiana 12208 12210
 12211
Beauveria bassiana sensu lato
 12372 12406
 USA, North Dakota
Beauveria bassiana 12218
Beauveria bassiana sensu lato
 12264 12282 12298 12303 12304
 12312 12334 12391 12529
Melanoplus cuneatus
 USA, Arizona
Entomophaga calopteni 623 626
 646
Melanoplus dawsonii
 USA, North Dakota
Beauveria bassiana 12220 12230
 12237 12238
Melanoplus differentialis
 USA, Kansas
Entomophaga calopteni 2522
Melanoplus femurrubrum
 USA, Montana
Beauveria bassiana sensu lato
 12366 12373 12374 12398 12399
 12400 12401 12405 12526 12527
 12535
Isaria sp. 12409
 USA, North Dakota
Beauveria bassiana 12204
Beauveria bassiana sensu lato
 12261 12267 12270 12292 12324
 12325 12327 12331 12387 12392
 12393 12528
Melanoplus flavidus
 USA, Wyoming
Entomophaga calopteni 383
Melanoplus infantilis
 USA, North Dakota
Beauveria bassiana 12231
Beauveria bassiana sensu lato
 12411
Melanoplus packardii
 USA, Arizona
Entomophaga calopteni 625
Melanoplus sanguinipes
 USA, Montana
Beauveria bassiana sensu lato
 12360 12361 12362 12363 12364
 12365 12368 12371 12375 12377
 12402 12407 12417 12422
 USA, North Dakota
Beauveria bassiana 12197 12198
 12199 12201 12202 12203 12205
 12206 12212 12215 12216 12217
 12222 12226 12227 12228 12229
 12239
Beauveria bassiana sensu lato
 12256 12257 12259 12260 12272
 12273 12286 12300 12310 12311
 12313 12314 12315 12316 12317
 12318 12319 12320 12321 12322
 12326 12328 12329 12330 12333
 12335 12337 12378 12381 12382
 12383 12384 12385 12386 12388
 12390 12394 12395 12430 12533
 12534
Ornithacris cavroisi
 Niger
Metarhizium acridum 3341 7486
Oxya multidentata
 Pakistan
Metarhizium anisopliae sensu lato
 3619
Oxyops vitiosa
 Australia
Beauveria bassiana 5987
Parapodisma sp.
 Japan
Entomophaga asiatica 1659
Patanga succincta
 Thailand
Metarhizium acridum 3609
Phaulacridium vittatum
 Australia
Beauveria pseudobassiana 4150
Metarhizium anisopliae sensu lato
 7862
Metarhizium pingshaense 7415
 7416
Phoetaliotes nebrascensis
 USA, North Dakota
Beauveria bassiana 12219
Praxibulus sp.
 Australia
Entomophaga praxibuli 840
Pseudosphingonotus savignyi
 Oman
Metarhizium guizhouense 3611
Metarhizium pingshaense 3610

- Rhammatocerus schistocercoides*
Brazil, Mato Grosso
Beauveria bassiana 7983
Schistocerca gregaria
Ethiopia
Beauveria bassiana 5633 5634 5635
5636 5637 5638 5639 5640 5641
5642 5643
Metarhizium anisopliae sensu lato
5628
Metarhizium anisopliae sensu
stricto 7487
Laboratory manipulation
Metarhizium anisopliae sensu lato
3127
Schistocerca piceifrons
Mexico
Metarhizium acridum 5747 5748
5750
Metarhizium anisopliae sensu lato
5746 5749 5752
Metarhizium brunneum 5751
- Orthoptera: Acrididae: Cyrtacanthacridinae**
Kraussaria angulifera
Benin
Metarhizium anisopliae var.
acridum 3614
Metarhizium acridum 3612
Senegal
Metarhizium acridum 6421
- Orthoptera: Acridoidea**
PR China
Isaria cateniobliqua 6283
- Orthoptera: Catantopidae**
Calliptamus italicus
Republic of Georgia
Beauveria bassiana 8694 8697
Metarhizium anisopliae sensu lato
8696 8698 8701 8702
Metarhizium sp. 8699
- Orthoptera: Gryllacrididae**
USA, Georgia
Beauveria caledonica 7117
- Orthoptera: Gryllidae**
Indonesia, Sulawesi Selatan, Celebes
Isaria guaensis 2152
Ornebius kanetataki
Japan
Metarhizium pingshaense 1009
Teleogryllus commodus
Metarhizium anisopliae sensu lato
8841 8842
Australia
Metarhizium anisopliae sensu lato
435 438 440 441 442 445 7489
7490 8760
Metarhizium pingshaense 436 437
439 443 444 446
Teleogryllus emma
Japan
Metarhizium pingshaense 12566
Metarhizium sp. 12567
- Orthoptera: Gryllotalpidae**
Commonwealth of Independent States
Metarhizium anisopliae sensu
stricto 2786
Gryllotalpa gryllotalpa
Turkey
Beauveria bassiana 11688
Clonostachys rosea 11689 11690
11691 11692 11695 11699 11700
11701 11702
Fusarium sp. 11697 11696
Metarhizium anisopliae sensu lato
11694
Myriodontium keratinophilum
11698
Sterile mycelium 11693
Scapteriscus vicinus
USA, Florida
Beauveria bassiana 5977
Sorospora uvela 1856
- Orthoptera: Pyrgomorphae**
Zonocerus elegans
Tanzania
Metarhizium acridum 3391
Zonocerus variegatus
Benin
Metarhizium anisopliae var.
acridum 3606
Guinea-Bissau
Metarhizium acridum 3615
Mali
Metarhizium acridum 3618
- Orthoptera: Tetrigidae**
Tetrix granulata
India
Fusarium commune 8281
Fusarium sp. 8286
- Orthoptera: Tettigoniidae**
Brazil, Goiás
Conidiobolus sp. 1477
Metarhizium robertsii 727
Indonesia, Sumatera Utara
Paecilomyces reniformis 577
Philippines
Paecilomyces reniformis 429 484
USA, Hawai'i
Paecilomyces reniformis 7040 7041
Anabrus simplex
Beauveria bassiana 7379 7380
- Orthoptera: Tettigonioidae**
PR China
Beauveria bassiana 6234
- Phasmatodea: Phasmatidae**
PR China
Metarhizium anisopliae sensu lato
6236
- Phthiraptera: Anoplura**
USA, New York
Pochonia chlamydosporia var.
chlamydosporia 11801
- Plecoptera: Capniidae**
Allocapnia granulata
USA, Missouri
Capniomyces stellatus 9258
- Plecoptera: Gripopterygidae**
Argentina
Smittium sp. 9119
- Psocoptera: Ectopsocidae**
Ectopsocus sp.
Argentina
Hirsutella citrififormis 8679
- Psocoptera: Pseudocaeciliidae**
Heterocaecilius sp.
Argentina
Hirsutella citrififormis 8677 8678
- Thysanoptera: Phlaeothripidae**
Haplothrips tritici
Spain
Beauveria bassiana 4200
Unidentified sp. 3990 3991 3992
4201
Liothrips mikaniae
Trinidad
Hirsutella sp. 4513 4514
- Thysanoptera: Thripidae**
Canada
Lecanicillium muscarium 2923
France
Lecanicillium longisporum 3701
United Kingdom
Verticillium lecanii 6548
USA, New Hampshire
Eolachovaea sp. 11788 11790
Hirsutella rhossiliensis 11820
Isaria farinosa 11823
USA, New York
Beauveria bassiana 11848
Lecanicillium fusisporum 11787
11808
USA, Vermont
Beauveria bassiana 9927 11841
11846 11847
Conidiobolus coronatus 6512 9914
Fusarium sp. 9937
Isaria farinosa 11822
Lecanicillium evansii(?) 11789
11791 11792 11793 11794 11809
Lecanicillium sp. 9930 9931 9935
9936
Mariannaea sp. 9932 9933 9934
11812 11813
Metarhizium anisopliae sensu lato
11840
Metarhizium sp. 11839
Metarhizium carneum 11821
Metarhizium marquandii 9928 9929
Trichoderma sp. 9938
Frankliniella occidentalis
Beauveria bassiana 9588
Metarhizium anisopliae sensu lato
9591
France
Lecanicillium lecanii 3683 3688

Lecanicillium lecanii(?) 3689
Lecanicillium muscarium 3684 3685
 3686 3690 3691
Lecanicillium muscarium(?) 3687
 Spain
Beauveria bassiana 3995 3996
 Unidentified sp. 3993 3994 3997
 USA, California
Beauveria bassiana 9587
 USA, Florida
Conidiobolus coronatus 3222
 USA, Hawai'i
Acremonium(?) sp. 7031
 USA, Vermont
 Unidentified sp. 3570
Scirtothrips dorsalis
 India
Fusarium sp. 7381
Taeniothrips inconsequens
 Location not specified
 Unidentified sp. 3319
 USA, Connecticut
Hirsutella sp. 3266
Mariannaea sp. 3264 3265 3267
 3268 3269 3270
 USA, Massachusetts
Lecanicillium sp. 3259 3260
Mariannaea sp. 3261 3262 3263
 USA, New Hampshire
Acremonium bactrocephalum 10169
Beauveria bassiana 10139
Lecanicillium fusiforme(?) 10184
Lecanicillium muscarium 10178
Lecanicillium psalliotae 10177
Lecanicillium sp. 10206 10207
 10302 10303 10304 10305 10306
Mariannaea sp. 3258 10185 10204
 10205
 Unidentified / Hyphomycetes
 10307
 USA, New York
Isaria sp. 10162
Lecanicillium psalliotae 10170
Lecanicillium sp. 10154
Mariannaea sp. 3257 10150 10151
 USA, Pennsylvania
Lecanicillium sp. 3253 3254 3255
Mariannaea sp. 3252
 USA, Vermont
Acremonium bactrocephalum 10166
 10167 10168
Beauveria bassiana 10138 10140
 10143 10144 10145 10147 10148
Evlachovaea sp. 10194 2939 2940
 3318 3546 3548 3553
Isaria farinosa 3564 10155 10157
 10158 10159 10161 10231
Isaria sp. 11629
Lecanicillium lecanii(?) 10195
Lecanicillium nr. *lecanii* 10190
Lecanicillium psalliotae 10175
 10176 10180 10181 10182 10187
 10188 10189
Lecanicillium psalliotae(?) 10183
Lecanicillium sp. 10192 10193
 10196 10197 10198 10199 10200

10201 10202 10203 10208 10209
 10210 10211 10212 10213 10214
 10287 10288 10289 10290 10291
 10294 10295 10296 10297 10298
 10299 10300 10301
Mariannaea sp. 2930 3315 3316
 3317 3549 3554 3555 3557 3558
 3559 3562 3563 10152 10153
Metarhizium anisopliae sensu lato
 10135 10136 10137
Metarhizium carneum 10232 10233
Tolypocladium cylindrosporum
 10146
 Unidentified sp. 3560
 Unidentified / Hyphomycetes
 10191 10282 10283 10284 10285
 10286 10292 10293
Verticillium sp. 3547 3550 3551
 3552 3556 3561
Thrips calcaratus
 USA, Wisconsin
Beauveria pseudobassiana 3216
Thrips palmi
 Trinidad and Tobago
Hirsutella sp. 4193
 USA, Puerto Rico
Cladosporium cladosporioides 3375
Thrips tabaci
 Denmark
Acremonium psammosporem 4062
Acremonium sp. 4063
Lecanicillium lecanii(?) 5580
 Unidentified / Hyphomycetes 3142
Verticillium lecanii 5709
 Germany
Entomophthora thripidum 5868
 6517 6518 6519 6520 6521 6522
 6525
 Switzerland
Neozygites parvispora 5620 5621

Trichoptera

Canada, Ontario
Harpellales, genus undetermined
 9064
Legeriosimilis sp. 9066
 Canada, Québec
Erynia curvispora 3244
 Unidentified sp. 3242 3243
 Russian Federation
Erynia sp. 9537
 Ukraine
Rotiferophthora angustispora 9498
 United Kingdom
Erynia rhizospora 1440 1441 1443
Pandora dipterigena 2406
 USA, Maine
Erynia rhizospora 219
 USA, New York
Erynia rhizospora 801 2276
 Wales
Erynia rhizospora 1442

Trichoptera: Hydropsychidae

United Kingdom
Erynia rhizospora 2407

Chordata • Amphibia

Anura: Bufonidae

Bufo bufo
 United Kingdom
Basidiobolus sp. 9894 9895 9896
 9897 9898 9899 9906 9907 9908

Anura: Dendrobatidae

Dendrobates leucomelas
 Switzerland
Basidiobolus sp. 9888

Anura: Discoglossidae

Alytes sp.
 United Kingdom
Basidiobolus sp. 9903 9904 9905
 9909 9910 9911 9912
Discoglossus sp.
 Italy
Basidiobolus sp. 9900 9901 9902

Anura: Microhylidae

Dyscophus guineti
 Switzerland
Basidiobolus sp. 9887

Anura: Ranidae

Hylarana erythraea
 Malaysia
Basidiobolus sp. 9890
Hylarana glandulosa
 Malaysia
Basidiobolus sp. 9892
Hylarana labialis
 Malaysia
Basidiobolus sp. 9891 9893

Caudata: Salamandridae

Triturus marmoratus
 Switzerland
Basidiobolus sp. 9889

Chordata • Mammalia

Artiodactyla: Bovidae

Ovis aries
 United Kingdom
Beauveria bassiana 7770

Perissodactyla: Equidae

Equus ferus caballus
 United Kingdom
Beauveria bassiana 7771 7772
 USA, Louisiana
Conidiobolus coronatus 2715
Conidiobolus lamprauges 2338

Primates: Hominidae

Homo sapiens
 Australia
Metarhizium anisopliae sensu lato
 8759
 India
Conidiobolus sp. 12338 12543
 Indonesia
Basidiobolus haptosporus 261 272
 Location not specified
Basidiobolus sp. 273

Fungus by Host and Location

Primates: Hominidae

Squamata: Viperidae

Nigeria
Conidiobolus coronatus 206
 USA, New Mexico
Beauveria bassiana 8601
 USA, Texas
Conidiobolus sp. 2928
 USA, Wisconsin
Beauveria bassiana 8602

Cnidaria • Anthozoa

Alcyonacea: Gorgoniidae
Gorgonia ventalina
 Netherlands
Aspergillus sydowii 8381
 The Bahamas
Aspergillus sydowii 8380
 USA, Florida
Aspergillus sydowii 8379 8382

Nemata • Secernentea

Aphelenchida: Aphelenchoididae
Aphelenchoides sp.
 USA, New York
Haptocillium balanoides 3173
 Sterile mycelium 3735

Dorylaimida: Longidoridae
Xiphinema sp.
 USA, Pennsylvania
Catenaria anguillulae 2015
Leptolegnia sp. 2004
Xiphinema americanum
 USA, Pennsylvania
Aphanomyces sp. 2005
Xiphinema rivesi
 USA, Pennsylvania
Lagenidium caudatum 2003

Rhabditida: Rhabditidae
Bunonema sp.
 Japan
Nematoctonus sp. 5663
Cruzanema lambdaense
 USA, Tennessee
Macrobotrophthora vermicola 650

Tylenchida: Criconematidae
Criconemella curvata
 USA, Pennsylvania
Hirsutella rhossiliensis 2007
Criconemella xenoplax
 USA, California
Hirsutella rhossiliensis 3747 3748
 3750 3754
 USA, Pennsylvania
Hirsutella rhossiliensis 2006 2008
 3744 3746

Tylenchida: Heteroderidae
Heterodera glycines
 PR China
Hirsutella minnesotensis 7288 7289
 7290 7291 7294
Hirsutella rhossiliensis 7286 7287
 7292 7293 7295

Ramicandelaber longisporus 6175
 6176
 USA, Arkansas
 Unidentified / Hyphomycetes 5237
 5238 5239 5240 5241
 USA, Kentucky
 Unidentified / Hyphomycetes 5244
 USA, Mississippi
 Unidentified / Hyphomycetes 5245
 5246 5247 5248
 USA, Tennessee
 Unidentified / Hyphomycetes 5242
 5243

Heterodera humuli
 Germany
Hirsutella rhossiliensis 2894

Heterodera schachtii
 USA, California
Drechlerella dactyloides 2934
Hirsutella rhossiliensis 2788 2789
 2790 2791 2792 2794 2931 2932
 2933 3761

Meloidogyne sp.
 India
Purpureocillium lilacinum 2233

Peru
Purpureocillium lilacinum 2183

Philippines
Purpureocillium lilacinum 2181
 2182 2184 2185 2186

Meloidogyne hapla
 USA, New York
Drechlerella dactyloides 4955
Arthrobotrys oligospora 4967
Fusarium oxysporum 4963 4964
Fusarium sp. 4956 4962
Harposporium anguillulae 4954
Lecanicillium psalliotae 4960 4965
Monacrosporium cionopagum 4966
Monacrosporium ellipsosporum
 4957 4959

Tylenchida: Hoplolaimidae
Rotylenchus robusta
 USA, California
Hirsutella rhossiliensis 3755 3756
 3757 3758 3759

Rotifera • Bdelloidea

Bdelloida: Adinetidae
Adineta sp.
 Japan
Pseudomeria mucosa 10262
Rotiferophthora sp. 9544
 United Kingdom
Lecophagus muscicola 12621
Rotiferophthora sp. 12624 12625
 12626 12627 12628 12629 12630
 USA, New York
Pseudomeria mucosa 10272
Rotiferophthora barronii 10267
Rotiferophthora sp. 10266
Triacutus subcuticularis 10260

Adineta vaga
 United Kingdom
Harposporium sp. 12623

USA, New York
Harposporium botuliforme 10275

Bdelloida: Habrotrichidae
Habrotricha sp.
 Japan
Rotiferophthora sp. 9545 9546
 USA, New York
Rotiferophthora cylindrospora 9547
 9548
Rotiferophthora denticulospora
 9549
Rotiferophthora sp. 10265

Habrotricha elusa
 USA, New York
Harposporium spirosporium 8821
 10271
Pseudomeria mucosa 8993 9383
Rotiferophthora angustispora 8991
Rotiferophthora guttulaspora 10269
Rotiferophthora intermedia 10270

Habrotricha elusa elusa
 USA, New York
Pochonia sp. 10261
Rotiferophthora cylindrospora 8992
 10273
Rotiferophthora ovispora 10274
Rotiferophthora sp. 9542 9543 10263
 10264

Vertebrata • Reptilia

Chelonia: Emydidae
Trachemys scripta
 Spain
Beauveria bassiana(?) 5990

Crocodylia: Alligatoridae
Alligator mississippiensis
 USA, Oklahoma
Beauveria pseudobassiana 2455

Squamata: Colubridae
Elaphe sp.
 Germany
Schizangiella sp. 2237 2239
Elaphe obsoleta
 USA, Virginia
Schizangiella serpentis 8000 8047

Squamata: Viperidae
Crotalus horridus
 USA, Maryland
Schizangiella serpentis 203

Fungi

Ascomycota • Eurotiomycetes**Eurotiales: Elaphomycetaceae***Elaphomyces* sp.

Canada, British Columbia

Elaphocordyceps ophioglossoides
8013

Russian Federation

Elaphocordyceps ophioglossoides
9485

USA, New York

Elaphocordyceps ophioglossoides
4826 4827 4828 4829 4830 4831
4832 4833 4834 4835 4836 4837

USA, Oregon

Elaphocordyceps capitata 8009**Ascomycota • Pyrenomycetes****Sordariales: Nitschkiaceae***Bertia moriformis*

New Zealand

Neobarya parasitica 6156**Basidiomycota • Hymenomycetes****Agaricales***Volvariella volvacea*

USA, Puerto Rico

Conidiobolus coronatus 1147**Agaricales: Tricholomataceae***Armillaria mellea*

Russian Federation

Calcarisporium arbuscula 6155**Dacrymycetales**

USA, New York

Conidiobolus coronatus 3087**Basidiomycota • Pucciniomycetes**

Russian Federation

Lecanicillium muscarium 9471 9472**Pucciniales: Phragmidaceae***Phragmidium* sp.

Ukraine

Lecanicillium muscarium 7631*Lecanicillium muscarium(?)* 9462**Eumycota • Basidiomycota****Agaricales: Entolomataceae***Entoloma* sp.

USA, New York

Lecanicillium flavidum 4519**Eumycota • Basidiomycotina****Uredinales***Hemileia vastatrix*

Ethiopia

Lecanicillium muscarium 6699

Thailand

Verticillium epiphytum 5250*Olivea colebrookeae*

India

Lecanicillium psalliotae 5249**Uredinales: Pucciniaceae***Puccinia striiformis*

Germany

Verticillium lecanii 5221**Myxomycota • Myxomycetes****Trichiales: Trichiaceae***Hemitrichia serpula*

USA, New York

Polycephalomyces tomentosus 5353**Hemiptera****Arthropoda • Insecta****Hemiptera: Coccoidea***Aschersonia placenta* 7604

Brazil, São Paulo

Lecanicillium lecanii 7550

Mexico

Moelleriella umbospora 11870

11871

Panama

Ascopolyporus philodendrus 7354*Ascopolyporus villosus* 7355*Hypocrella panamensis* 8361*Torrubiella piperis* 7232

Russian Federation

Lecanicillium muscarium 7633*Sporothrix ghanensis* 9500

Thailand

Hypocrella discoidea 7681*Hypocrella javanica* 7605*Hypocrella raciborskii* 7606

USA, Puerto Rico

Fusarium coccophilum 7409*Lecanicillium lecanii* 7408

Unidentified / Hyphomycetes 7386

USA, Vermont

Lecanicillium sp. 9177**Plantae****Pinophyta • Taxopsida****Taxales: Taxaceae***Taxus* sp.

USA, Vermont

Ostracoderma sp. 5163

Geographical Origin

Antarctica

Isaria farinosa 2975
Lecanicillium lecanii(?) 5136 5137
5138

Victoria Land

Conidiobolus antarcticus 6913

Argentina

Buenos Aires

Aphanocladium sp. 8457 8458
Aspergillus sp. 5205
Beauveria bassiana 5501 7049 7201
7202 7464 7465 7466 7467 7468 7469
7471 7776 8368 8369 8370 8371 8459
8460 8461 8465 8520 8521 8522 8523
8524 8525 8526 8528 8529 8530 8929

Beauveria sp. 7463

Conidiobolus coronatus 7203

Conidiobolus sp. 7786

Hirsutella citrififormis 8677 8678 8679

Hirsutella sp. 8378

Isaria farinosa 2971 7777

Isaria fumosorosea 6916 7050 7051
7204 7205 8717 8718 8719 8720 8721
8723 8724 8725 8726 8727 8728 8729
8730 8928

Isaria javanica 7477

Lecanicillium lecanii 7207 7462

Lecanicillium longisporum 7206 7457
7458 7459 7461 7783 7784

Lecanicillium muscarium 7460 7781
7782 7785

Leptolegnia chapmanii 5499 7787

Metarhizium anisopliae sensu lato
7474 7475 7476 8375 8527

Metarhizium brunneum 2974 6120

Metarhizium rileyi 5208 5209 5210
5211 5212 6877 7052 7053 7054 7055
7056 7149 7479 7480 7481 7482 7483
7778

Pandora neoaphidis 11862 11863

Smittium culisetae 5430 9075 9094
9131

Smittium culicis 5431 5432 9004 9031

Zoophthora radicans 5814 6917 7208
7455 7788 7789 8466 11860

Zoophthora sp. 7454

Córdoba

Beauveria bassiana 7147

Corrientes

Beauveria bassiana 8464

Metarhizium anisopliae sensu lato
8376 8377

Entre Ríos

Clonostachys rosea 7472

La Rioja

Fusarium sp. 7473

Neuquén

Smittium sp. 9119

Río Negro

Smittium tronadorium 9030

Santa Fe

Beauveria bassiana 5500 5502

Metarhizium rileyi 7150 7151 7484
7779 7780

Zoophthora radicans 11859 11861

Santiago del Estero

Metarhizium rileyi 2465 7148

Purpureocillium lilacinum 7478

Tucumán

Beauveria bassiana 2010 2011 2457
2509 2515 2516 7470 8372 8373 8374
8462 8463

Clonostachys rosea 7200

Hirsutella thompsonii 2012 2464

Lecanicillium longisporum 2460

Lecanicillium sp. 2009

Metarhizium robertsii 3925

Metarhizium rileyi 2013 2466

Australia

Conidiobolus sp. 2924 2925 2926 2927

Culicinomyces clavissporus 2622

Hirsutella rhossiliensis 3879

Lecanicillium muscarium(?) 1032

Metarhizium anisopliae sensu lato
438

Metarhizium brunneum 4125 4228

Metarhizium pingshaense 437

Pandora neoaphidis 381

Australian Capital Territory

Aspergillus parasiticus 4128

Beauveria bassiana 7853 8578 8579

Metarhizium acridum 8609

Metarhizium anisopliae sensu lato
7863 8837 8838

Metarhizium anisopliae sensu stricto
8560 8561 8562

Metarhizium brunneum 8608

Metarhizium lepidiotae 8502

Metarhizium majus 473

Metarhizium pingshaense 8059

Pandora neoaphidis 835

Avoca

Metarhizium anisopliae sensu lato
4299

Metarhizium frigidum 4294

Macquarie Island

Beauveria bassiana 4289

Metarhizium anisopliae sensu lato
4343 4344 4345 4569 4570

New South Wales

Ascospaera duoformis 5141

Ascospaera sp. 7368

Aspergillus flavus 4126

Aspergillus parasiticus 4129

Aspergillus tamarii 4127

Batkoa apiculata 839

Beauveria bassiana 356 357 4130 4589
4607 7813 8493 8753 8763 8843 8846
8853 8854

Beauveria bassiana sensu stricto 300

Conidiobolus coronatus 471

Conidiobolus obscurus 354 824 834

Culicinomyces clavissporus 644 645

2471 2472 2473 2474 2475 2476 2477
2478

Entomophaga praxibuli 840

Isaria fumosorosea 8892

Metarhizium anisopliae sensu lato

4242 4568 4574 4777 4778 4779 4780
7498 7499 7500 7503 7814 7820 7821

7822 7823 7862 8063 8070 8071 8096
8229 8230 8231 8232 8233 8234 8235
8236 8492 8495 8503 8504 8506 8507
8508 8509 8510 8511 8512 8513 8514
8516 8517 8518 8531 8532 8533 8535
8538 8539 8540 8541 8575 8759 8764
8765 8766 8767 8829 8844

Metarhizium anisopliae sensu stricto

7432 8067 8068 8072 8073 8074 8075
8080 8081 8082 8083 8084 8085 8086

8087 8088 8089 8090 8091 8093 8094
8095

Metarhizium brunneum 472 8069 8515
8534 8536 8537

Metarhizium flavoviride 8758

Metarhizium frigidum 7436 7437 7438
7439 7440 7441 7442 7443 7444 7445

7446 7447 7448

Metarhizium guizhouense 4588 7502

Metarhizium lepidiotae 8064

Metarhizium majus 4566 4601

Metarhizium pingshaense 7414 7415

7416 8061 8062 8092 8097 8505

Metarhizium robertsii 4241 4621 7413
7501 8060 8542

Metarhizium sp. 7495 8851 8852 8855
8856 8857

Nomuraea anemonoides 2467

Pandora kondoiensis 828 836 837

Pandora neoaphidis 827 829 838

Penicillium sp. 4263

Smittium culisetae 9025

Zoophthora radicans 359 370 823

Northern Territory

Metarhizium anisopliae sensu lato

8591 8745 8746 8747 8768

Metarhizium anisopliae sensu stricto
7430 8581 8584 8585 8587 8588 8589
8590

Queensland

Ascospaera apis 5142

Ascospaera arienoides 5143

Ascospaera solina 5146

Ascospaera subcuticulata 5145

Beauveria bassiana 325 326 5987 7891
8065 8066 8751 8752 8891

Conidiobolus coronatus 349

Ophiocordyceps heteropoda 1880

Crypticola clavulifera 1940

Culicinomyces bisporalis 1948 1949

Culicinomyces clavissporus 2480 2481

Entomophaga australiensis 328 331
365

Entomophthora chromaphidis 1860
1862 1863

Isaria fumosorosea 6799 6800

Lagenidium giganteum 2529 2530

2531 2532

Metarhizium anisopliae var. *acridum*

7522 7970 8359

Metarhizium acridum 324 4605

Metarhizium anisopliae var. *lepidiotae*
7453 8732

Metarhizium anisopliae sensu lato

7451 7496 7504 7816 7817 7818 7819
7824 7825 7826 7827 7828 7829 7830

7831 7832 7833 7834 7835 7836 7837	4268 4269 4270 4275 4278 4279 4280	Western Australia
7838 7839 7840 7841 7842 7843 7844	4281 4282 4283 4284 4286 4287 4288	<i>Ascosphaera atra</i> 5147
7846 7854 7855 7856 7857 7858 7859	4291 4292 4293 4295 4296 4298 4306	<i>Ascosphaera flava</i> 5144
7860 7861 7864 7865 7867 7868 7892	4307 4308 4309 4310 4311 4312 4313	<i>Beauveria bassiana</i> 7877 7878 7889
7893 7894 7895 7896 7897 7898 7899	4314 4315 4316 4317 4318 4319 4322	7890
7900 7901 7902 7903 7904 7905 7906	4323 4324 4325 4327 4328 4329 4330	<i>Metarhizium anisopliae</i> sensu lato
7907 7908 7909 7910 7911 7912 7913	4331 4332 4346 4347 4348 4349 4350	7869 7870 7871 7872 7873 7874 7875
7914 7915 7916 7917 7918 7919 7920	4351 4352 4354 4355 4357 4560 4562	7876 7879 7880 7881 7882 7883 7884
7926 7931 8564 8610 8620 8731 8733	4563 4565 4567 4573 4576 4577 4578	7885 7886 7887 7888 7932 7933 7934
8734 8744 8754 8755 8761 8762 8823	4579 4581 4584 4585 4586 4590 4591	7935 7936 8100 8848 8849
8824 8828 8833 8834 8839 8845 8847	4592 4593 4594 4595 4596 4599 4600	<i>Metarhizium anisopliae</i> sensu stricto
8850 10469	4602 4603 4606 4608 4609 4613 4614	8101 8102
<i>Metarhizium anisopliae</i> sensu stricto	4617 4618 4619 4620 4623 4624 4625	<i>Metarhizium pingshaense</i> 8555
7418 7419 7423 7426 7427 7428 7450	4626 4627 4629 4631 4632 4633 4634	<i>Metarhizium robertsii</i> 7424 8549 8550
8500 8586 8615 8616 8617 8622	4635 4636 4637 4638 4639 4640 4641	8551 8552 8553 8554 8556 8557 8576
<i>Metarhizium guizhouense</i> 7420	4643 4645 4646 4647 4648 4649 4650	<i>Smittium angustum</i> 9241
<i>Metarhizium lepidiotae</i> 7411 7412	4651 4652 4653 4654 4655 4657 4663	
7488	4664 4665 4668 4669 4671 4673 4676	Austria
<i>Metarhizium majus</i> 7505	4677 4678 4682 4683 4684 4687 4716	<i>Metarhizium brunneum</i> 1095 7711
<i>Metarhizium pingshaense</i> 7410 7417	4717 4718 4722 4723 4724 4725 4726	Burgenland
7421 7422 7425 7429 7452 8496 8497	4731 4732 4733 4734 4735 4736 4737	<i>Beauveria bassiana</i> 1533 1534 1535
8566 8618 8619 8621	4738 4740 4743 4746 4747 4748 4749	1536 1537 1538 1539 1540 1635 1636
<i>Metarhizium robertsii</i> 7449 8558 8559	4752 4753 4754 4757 4758 4759 4760	1637 1638 1640 1643 1973 1974 1988
8563 8565 8567 8577 8582 8583 8592	4761 4762 4763 4764 4766 4774 8749	<i>Fusarium</i> sp. 1641
<i>Metarhizium rileyi</i> 323 358 380	<i>Metarhizium brunneum</i> 4152 4158	<i>Trichothecium roseum</i> 1639 1642
<i>Pandora blunckii</i> 3075	4164 4168 4176 4179 4251 4615	Tirol
<i>Pandora kondoiensis</i> 369 825	<i>Metarhizium flavoviride</i> 4221 4272	<i>Tolypocladium inflatum</i> 3277
<i>Pandora nouryi</i> 362	4304 4719 4720 4727 4729 4730	
<i>Paraisaria dubia</i> 5764	<i>Metarhizium novozealandicum</i> 4661	Azores
<i>Pseudogibbellula formicarum</i> 5765	4674 8750	<i>Beauveria amorphia</i> 4990
5766	<i>Metarhizium frigidum</i> 4219 4277 4561	<i>Beauveria brongniartii</i> 4992 4993
<i>Zoophthora radicans</i> 1082	4680 4765	4994 4995
South Australia	<i>Metarhizium guizhouense</i> 4153 4303	Barbados
<i>Beauveria pseudobassiana</i> 4273	4321	<i>Basidiobolus</i> sp. 3764
<i>Metarhizium anisopliae</i> sensu lato	<i>Microhilum oncoperae</i> 4358 4769 4770	
4132 4133 4139 7845 8573	4771	Belarus
<i>Metarhizium anisopliae</i> sensu stricto	<i>Mixed Culture</i> sp. 4145 4245 4260	<i>Beauveria bassiana</i> 9450
8570 8571 8572 8574 8611	<i>Metarhizium lepidiotae</i> 4154	<i>Isaria farinosa</i> 9514
<i>Metarhizium brunneum</i> 346 4131	<i>Metarhizium robertsii</i> 4628 4739	<i>Isaria</i> sp. 9519
Tasmania	<i>Metarhizium</i> sp. 4165	<i>Purpureocillium lilacinum</i> 9524
<i>Beauveria amorphia</i> 4149	<i>Paecilomyces</i> sp. 4742	<i>Polycephalomyces</i> sp. 9497
<i>Beauveria australis</i> 4580 4598 4622	<i>Penicillium</i> sp. 4143 4144 4146 4148	<i>Lecanicillium fungicola</i> 9483
<i>Beauveria bassiana</i> 4135 4136 4258	4182 4223 4666	
4276 4305 4616 4672 4685 4744 8835	<i>Phialophora</i> sp. 4751	Belgium
8836	<i>Smittium culicis</i> 9003 9057 9123 9124	<i>Beauveria bassiana</i> 1848
<i>Beauveria caledonica</i> 4302	9125 9140 9141 9142	
<i>Beauveria malawiensis</i> 4755	<i>Smittium</i> sp. 9079	Belize
<i>Beauveria pseudobassiana</i> 4150 4222	Sterile mycelium 4237 4243 4750	<i>Hypocrella amazonica</i> 7669
4240 4254 4261 4271 4274 4285 4297	<i>Tolypocladium inflatum</i> 4575 4772	
4300 4301 4320 4326 4353 4356 4564	Unidentified sp. 4140 4147	Benin
4571 4583 4611 4612 4644 4658 4670	Unidentified / Hyphomycetes 4233	<i>Beauveria bassiana</i> 5649 5653
4721 4741 4745	Victoria	<i>Fusarium</i> sp. 5875 5878
<i>Cordyceps gunnii</i> 6828	<i>Beauveria bassiana</i> 8756 8757	<i>Hirsutella thompsonii</i> var. <i>syn-</i>
<i>Furculomyces boomerangus</i> 9021	<i>Culicinomyces clavisporus</i> 2479	<i>nematosa</i> 5412
<i>Fusarium</i> sp. 4238	<i>Furculomyces boomerangus</i> 9077 9259	<i>Metarhizium anisopliae</i> var. <i>acridum</i>
<i>Isaria fumosorosea</i> 8840	<i>Metarhizium anisopliae</i> sensu lato	3606 3614
<i>Metarhizium anisopliae</i> sensu lato	435 440 441 442 445 7489 7490 7815	<i>Metarhizium acridum</i> 3612
4134 4137 4138 4141 4151 4155 4156	8760	<i>Metarhizium</i> sp. 3613
4157 4159 4160 4161 4162 4163 4166	<i>Metarhizium frigidum</i> 4124	<i>Purpureocillium lilacinum</i> 5876 5877
4167 4169 4170 4171 4172 4173 4174	<i>Metarhizium pingshaense</i> 436 439 443	5880 5882 6188 6190
4175 4177 4178 4180 4181 4183 4184	444 446	Atakora
4185 4186 4187 4188 4189 4190 4191	<i>Metarhizium robertsii</i> 8543 8544 8545	<i>Beauveria bassiana</i> 5654 5655
4192 4220 4224 4225 4226 4229 4230	8546 8547 8548	Atlantique
4232 4234 4235 4236 4244 4246 4247	<i>Pandora neoaphidis</i> 830	<i>Beauveria bassiana</i> 5645 5652
4248 4249 4250 4252 4253 4255 4256	<i>Smittium culicis</i> 9005 9006 9040 9041	<i>Beauveria bassiana</i> (?) 5644
4257 4259 4262 4264 4265 4266 4267	<i>Smittium elongatum</i> 9251	<i>Fusarium</i> sp. 5881
		<i>Metarhizium acridum</i> 6598

Geographical Origin

Borgou	<i>Neozygites floridana</i> (?) 6219 6220 6221	12838 12839 12840 12841 12842 12843 12844 12845 12846 12847 12848 12849
<i>Beauveria bassiana</i> 5646 5647 5648	Unidentified sp. 3474 4000 4003	<i>Purpureocillium lilacinum</i> 723 2078 2215 2952
<i>Metarhizium acridum</i> 6592	Ceará	<i>Pandora delphacis</i> 1238 1936
<i>Metarhizium minus</i> 6593 6594 6595 6596	<i>Beauveria bassiana</i> 753 757 783 784 785 786 787 788 804 805 2637 4001	<i>Penicillium</i> sp. 2950
Ouémé	<i>Erynia</i> sp. 876 880 884	<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i> 2218
<i>Metarhizium acridum</i> 6597	<i>Hirsutella guyana</i> 2993	Unidentified sp. 3626 3629 3633 3639 3640 3641 3642 3644 3645 3646 3647 3648 3649 3650 3651 3652 3653 3654 3655 3656 3657
<i>Purpureocillium lilacinum</i> 6183 6197	<i>Hirsutella</i> sp. 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2992	<i>Zoophthora radicans</i> 789 790 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1541 1542 1543 1544 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1593 1594 1595 1928 1929 1930 1931 1932 1933 1934 1935 1937 2196
Zou	Distrito Federal	Maranhão
<i>Metarhizium acridum</i> 6600	<i>Beauveria bassiana</i> 3018 3019	Unidentified sp. 3630 3635
<i>Metarhizium minus</i> 6599 6601	<i>Evlachovaea</i> sp. 6641	Mato Grosso
Bolivia	<i>Isaria fumosorosea</i> 3480	<i>Beauveria bassiana</i> 477 937 938 941 942 943 944 945 946 947 948 949 950 951 952 953 982 2401 2402 2403 2404 5956 5957 5960 5961 5962 5964 7983 7984 8637 8638
<i>Aschersonia incrassata</i> 7670	<i>Metarhizium anisopliae</i> sensu lato 3479	<i>Beauveria bassiana</i> (?) 5959
Departamento La Paz	<i>Metarhizium pingshaense</i> 552	<i>Conidiobolus</i> sp. 2147 2148
<i>Aschersonia cubensis</i> 7647 7648	<i>Purpureocillium lilacinum</i> 3481	<i>Evlachovaea</i> sp. 6635 6639 6640
<i>Aschersonia</i> sp. 7656	<i>Simplicillium lanosoniveum</i> 6642	<i>Isaria tenuipes</i> 3939
<i>Aschersonia viridans</i> 7650 7652 7653	Unidentified sp. 3475 3476	<i>Lecanicillium aphanocladii</i> 6433
<i>Hyperdermium</i> sp. 7655	Espírito Santo	<i>Lecanicillium aphanocladii</i> (?) 7985
Brazil	<i>Beauveria bassiana</i> 1483	<i>Lecanicillium</i> sp. 8639
<i>Acremonium roseum</i> 1964	<i>Metarhizium anisopliae</i> sensu lato 925	<i>Metarhizium anisopliae</i> sensu lato 954
<i>Aschersonia aleyrodis</i> 8996 8997	<i>Metarhizium anisopliae</i> sensu stricto 1044	<i>Purpureocillium lilacinum</i> 3469
<i>Aschersonia</i> sp. 4098	<i>Penicillium</i> sp. 2643	<i>Simplicillium lanosoniveum</i> 6636 6637
<i>Beauveria bassiana</i> 1831 1832 1833 1834 1836 2722 2723 3219 3858 4091 4092 4093	Goiás	<i>Tolyocladium cylindrosporium</i> 6634
<i>Beauveria</i> sp. 1835 3859	<i>Beauveria bassiana</i> 733 734 735 736 737 738 739 752 754 758 806 809 928 930 931 933 934 956 957 1476 1478 1971 2079 2191 2625 2626 2636 2938 2942 2943 2944 2961	Unidentified sp. 2640 3470 3473 3627 3628 3631 3632 3636 3638
<i>Cladosporium herbarum</i> 3792	<i>Conidiobolus coronatus</i> 1884	Unidentified / Hyphomycetes 8640
<i>Isaria amoenerosea</i> 4097	<i>Conidiobolus macrosporus</i> 12830	Minas Gerais
<i>Isaria fumosorosea</i> 3852 3857	<i>Conidiobolus</i> sp. 1477 2193	<i>Beauveria bassiana</i> 5965
<i>Isaria tenuipes</i> 4096	<i>Entomophaga australiensis</i> 743 1888	<i>Evlachovaea</i> sp. 6146
<i>Metarhizium anisopliae</i> sensu lato 549 550 551 1899 1902 1911 3147 4095 8498	<i>Entomophaga</i> sp. 1230	Pará
<i>Metarhizium anisopliae</i> sensu stricto 2517	<i>Erynia</i> sp. 1241	<i>Beauveria bassiana</i> 2619
<i>Metarhizium rileyi</i> 4094	<i>Furia americana</i> 742 2192 2194	<i>Beauveria caledonica</i> 2251
<i>Purpureocillium lilacinum</i> 3854	<i>Hirsutella</i> sp. 1625	<i>Evlachovaea</i> sp. 2613 2614 2615
<i>Metarhizium marquandii</i> 3855	<i>Isaria amoenerosea</i> 741 744 2220 2958 2959 2960	<i>Hirsutella versicolor</i> 1034
<i>Paecilomyces</i> sp. 3853	<i>Isaria fumosorosea</i> 722 2216 2217 2219 2221	<i>Metarhizium anisopliae</i> sensu lato 1449 1890 1891 1895 1901
<i>Trichoderma</i> sp. 807	<i>Lecanicillium</i> sp. 12851	<i>Metarhizium rileyi</i> 1950
Unidentified sp. 3793 3856 3860	<i>Leptolegnia chapmanii</i> 12818 12829	<i>Paecilomyces</i> sp. 2616 2617 2618
Unidentified / Hyphomycetes 7383	<i>Leptolegnia</i> sp. 12831	Paraná
<i>Zoophthora radicans</i> 3026	<i>Metarhizium anisopliae</i> sensu lato 725 728 729 759 760 782 808 929 932 939 955 1882 1885 1970 2076 2077 2212 2213 2214 2510 2513 2635 2941 2949 2951 12866 12867 12868 12869 12871 12872 12873 12874 12875 12876 12877 12878 12879 12880 12881 12882 12883 12884 12886 12887 12890	<i>Aschersonia</i> sp. 4424 4426 4430 4431 4432
Alagoas	<i>Metarhizium anisopliae</i> sensu stricto 1883	<i>Aspergillus clavatus</i> 4359
<i>Beauveria bassiana</i> 1953 1954 1955 1956	<i>Mixed Culture</i> sp. 3472	<i>Beauveria bassiana</i> 958 1053 1054 1060 1061 1450 1453 1454 1455 1457 1458 1461 1462 1463 1466 1469 2511 2519 2520 2642 2962 3937 8635 8636
<i>Isaria farinosa</i> 1957	<i>Metarhizium pingshaense</i> 1448	<i>Evlachovaea</i> sp. 959
Amazonas	<i>Metarhizium robertsii</i> 724 727 1952 2514 12870 12885 12888 12889	<i>Furia americana</i> 1240 1242
<i>Beauveria bassiana</i> 730 731 732 756 2512 2957	<i>Metarhizium</i> sp. 3643	
<i>Evlachovaea</i> sp. 6638	<i>Metarhizium rileyi</i> 935 936	
<i>Isaria fumosorosea</i> 2956		
<i>Lecanicillium aphanocladii</i> (?) 7986		
<i>Metarhizium anisopliae</i> sensu stricto 755		
Bahia		
<i>Beauveria bassiana</i> 1479 1959 1960 1961 1962 2075 3999		
<i>Fusarium</i> sp. 4002		
<i>Metarhizium anisopliae</i> sensu lato 1282 1299 1379 1382 1896 1958		
<i>Metarhizium anisopliae</i> sensu stricto 1045 1894 1900		
<i>Metarhizium rileyi</i> 1898 1972		

- Isaria farinosa* 1065
Isaria fumosorosea 5154 5155 5156
 5157 5158 5159
Isaria tenuipes 3938
Metarhizium anisopliae sensu lato
 1055 1056 1059 1989 2521 3918 3919
 3920 5161
Metarhizium anisopliae sensu stricto
 3924
Metarhizium robertsii 1057
Metarhizium rileyi 3940 6732 6733
 6734 6735 6736 6737 6738 6739 6740
 6741 6742 6743 6744 6745 6746 6747
 6748 6749 6764 6765 6766 6767 6768
 6769 6770 6771 6772 6773 6774 6775
 6776 6777 6778 6779 6780 6781 6782
 6783 6784 6785 6786 6787 6874 6878
 6879
Purpureocillium lilacinum 1058
Paecilomyces sp. 5160
 Sterile mycelium 4376
Zoophthora radicans 1239
- Pernambuco
Beauveria bassiana 1484 2629 3020
Beauveria brongniartii 1829
Metarhizium anisopliae sensu lato
 2628
Metarhizium anisopliae sensu stricto
 2627 7980
- Piauí
 Unidentified sp. 3634
- Rio de Janeiro
Cladosporium herbarum 4361
Colletotrichum gloeosporioides 4360
- Rio de Janeiro
Purpureocillium lilacinum 1951
- Rio Grande do Norte
Entomophaga australiensis 791
Hirsutella guyana 878 879 881 882
 883
- Rio Grande do Sul
Beauveria bassiana 1456 1459 1460
 1464 1465 1475 3098 3477 5968 5969
Fusarium sp. 5219
Metarhizium sp. 12850
Metarhizium rileyi 2201 2202 2203
 2204 2205 2206 2207
 Unidentified sp. 3466 3467 3468 3471
 3478 3624 3625
Zoophthora radicans 1227
- Rondônia
Hirsutella versicolor 1037
- Santa Catarina
Beauveria bassiana 1467 1468 1470
 1471 1472 1473 1474
Zoophthora radicans 1228 1229 1231
 1232 1233 1234 1236 1237
- São Paulo
Aschersonia sp. 10276
Beauveria amorpha 2641
Beauveria bassiana 1480 1966 2559
 2630 2631 2632 2633 2638 2639 2945
 2946 5958 5963 6513 6514
Beauveria brongniartii 1830
Hirsutella thompsonii 6633
Isaria fumosorosea 6434 6435
- Lecanicillium lecanii* 7550
Lecanicillium psalliotae 6436
Lecanicillium sp. 7373
Metarhizium anisopliae sensu lato
 2211 2634
Metarhizium anisopliae sensu stricto
 7979 7981
Metarhizium brasiliense 2948
Metarhizium robertsii 2560 2561
Metarhizium rileyi 6875
Paecilomyces sp. 3101
Sporothrix sp. 6341
 Unidentified sp. 3637
 Unidentified / Hyphomycetes 7374
Zoophthora radicans 2994 2995 2996
 3002 3003 3004 3005 3006 3007 3008
 3009 3010 3011 3012 3013
- Sergipe
Evlachovaea sp. 2620
- Bulgaria**
Beauveria bassiana 6187 6194 6195
 6208 6209
Beauveria pseudobassiana 6181
Isaria farinosa 6207
Isaria fumosorosea 6192
- Burma**
Metarhizium anisopliae sensu lato
 7485 8219 8220 8221 8222 8223 8226
Metarhizium anisopliae sensu stricto
 8216
Metarhizium brunneum 7433 7434
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Evlachovaea sp. 1017
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4470 4471 4472 4473 4475 4476 4477
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Paecilomyces lilacinus(?) 6458
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5865 5866 7947 7948 7949 7950 7951
7952 7953 7954 8025 8026 8027 8028
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Entomophthora schizophorae 6137
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Lecanicillium muscarium 5859

Lecanicillium psalliotae 5582

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Metarhizium brunneum 5851

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5374 5403 5995 6166

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4061 4065 4067 4069 4070 4071 4072
4075 4076 4077 4079 5852 5854

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Beauveria bassiana 6695 6696 6697

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 1414 1512 1513 1515 1516 1517 1523
 1524 1792 1793 1794 1864 1865 1866
 1982 6182 6184 6186 6189 6191 6196
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Beauveria brongniartii 617 979
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Isaria javanica 3981
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Metarhizium flavoviride 1184 2024
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Germany

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Berlin

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Monacrosporium elegans 4810
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Brandenburg

Monacrosporium elegans 4805

Braunschweig

Entomophthora thripidum 5868 6517
6518 6519 6520 6521 6522 6525

Gera

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4800

Hesse

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Beauveria brongniartii 5355 5356
5357 5358 5359 5360 5361 5362
5363 5364

Pandora blunckii 217

Kiel-Kitzeberg

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Rheinhessen-Pfalz

Evlachovaea sp. 7403

Rostock

Monacrosporium elliposporum 4803

Ghana

Akanthomyces gracilis 2910 2919
Aschersonia andropogonis 7638 7698
Aschersonia napoleonae 7697
Hypocrella africana 7696
Sporothrix insectorum 2909 2918
Unidentified / Hyphomycetes 8641

Central Region

Aschersonia placenta 7637

Eastern

Pseudogibbellula formicarum 2913

Greece

Beauveria bassiana 1802 1803 1812
1822

Crete

Beauveria bassiana 3607 3866 3897
5273

Greenland

Disko Island

Beauveria bassiana 8039 8040

Guatemala

Hypocrella amazonica 7667

Petén

Conidiobolus coronatus 3379
Fusarium sp. 3382
Unidentified sp. 3378

Guinea-Bissau

Metarhizium acridum 3615

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Aschersonia cubensis 7676
Hypocrella amazonica 7680
Cuyuni-Mazaruni
Aschersonia aleyrodinis 7642

Honduras

Dpto. Francisco Morazán
Hypocrella sp. 7705

Hong Kong

Isaria fumosorosea 6797 6798

Hungary

Beauveria bassiana 1627 1628 1629
6967

Budapest

Beauveria bassiana 6612 6613 6614
6968 6969 6970

Beauveria bassiana(?) 6608

Isaria fumosorosea 6610

Verticillium lecanii 6606

Csongrád

Beauveria bassiana 6884 6885

India

Aspergillus sp. 3698
Beauveria bassiana 2417 2597
Beauveria brongniartii 2660
Beauveria sp. 2412
Conidiobolus sp. 12338 12543
Fusarium brachygibbosum 2595
Fusarium proliferatum 3223
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Fusarium sp. 2232 2414 7233
Isaria fumosorosea 3699 3700 3843
4490 4491 4492 4493 4494 4495 4496
4497

Isaria sp. 55

Lecanicillium longisporum 1026

Lecanicillium muscarium 2659

Lecanicillium psalliotae 5249

Metarhizium globosum 2596

Metarhizium guizhouense 3603

Metarhizium pingshaense 2231 3210

Metarhizium rileyi 2413 6867

Purpureocillium lilacinum 2233 3846

Paecilomyces sp. 3873

Sterile mycelium 3702 3868

Unidentified sp. 3773 3779 3869

Andhra Pradesh

Beauveria bassiana 6643 6644 6646

6647 6648 6650

Conidiobolus nr. *coronatus* 1742 1743

Conidiobolus sp. 211

Fusarium proliferatum 6649

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Bihar

Aspergillus flavus 8289

Aspergillus sp. 8280 8284 8292 8519

Fusarium commune 8281

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Fusarium sacchari 8282 8283 8285

Fusarium sp. 8277 8278 8279 8286

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Karnataka

Conidiobolus bangalorensis 449

Fusarium sp. 7381

Tamil Nadu

Aspergillus clavatus 9375 9379

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<i>Beauveria bassiana</i> 1677	<i>Nematoctonus leiosporus</i> 5606	<i>Entomophaga calopteni</i> 500
<i>Entomophaga maimaiga</i> 1390 1391 1392 1400 1658	<i>Rotiferophthora</i> sp. 9545 9546	<i>Entomophaga macleodii</i> 770 771 772 775 776 3077 3078 3079
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<i>Metarhizium brunneum</i> 12548	<i>Beauveria</i> sp. 1040 1681	<i>Lecanicillium lecanii</i> (?) 3882 3883 3884
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Netherlands

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Harposporium cerberi 5123
Hirsutella fusiformis 5474
Metarhizium flavoviride 2026
Netherlands Antilles
Aspergillus sydowii 8381
Utrecht
Aschersonia aleyrodii 2268

New Zealand

Metarhizium anisopliae sensu stricto 2518
Neobarya parasitica 6156
Paecilomyces sp. 309
Tolypocladium extingens 2921
Tolypocladium cylindrosporium 2911
North Island
Atrichordyceps harposporifera 5472
Metarhizium brunneum 1187
Smittium culicis 9074 9084
South Island
Beauveria bassiana 8077 8078 8079
Beauveria brongniartii 3054
Beauveria pseudobassiana 3055 3063 3065 3066 3070
Harpellales, genus undetermined 9089
Metarhizium anisopliae sensu lato 3057
Metarhizium brunneum 4681
Metarhizium novozealandicum 3056 3064 8214
Metarhizium pingshaense 7435
Smittium culicis 9007 9093
Tolypocladium cylindrosporium 841 976 1027 1028

Nicaragua

Beauveria bassiana 3440 3443 3445 3448 3453
Carazo
Beauveria bassiana 6801 6802 6803 6804 6805 6806 6807 6808 6809
Masaya
Purpureocillium lilacinum 8311 8312

Niger

Metarhizium acridum 3341 7486

Nigeria

Conidiobolus coronatus 206
Cross River
Beauveria bassiana 5650 5651

Norway

Metarhizium brunneum 6474
Metarhizium robertsii 6476
Smittium sp. 9050 9072
Akershus
Beauveria bassiana 6900 11660
Beauveria pseudobassiana 5370
Entomophthora muscae 6274
Lecanicillium lecanii 6915
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Metarhizium anisopliae sensu lato 6475
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Nord Trøndelag
Arthrotrichia oligospora 5561
Aspergillus flavus(?) 5506 5507 5508 5509
Beauveria bassiana 5510
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Tolypocladium cylindrosporium 5526
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Aspergillus flavus(?) 5505
Fusarium sp. 5560
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Tolypocladium cylindrosporium 5527 5528 5529 5530 5531 5532 5558 5559
Østfold
Metarhizium anisopliae sensu lato 6901
Metarhizium brunneum 6477
Rogaland
Metarhizium anisopliae sensu lato 5554 5555 5556
Sogn og Fjordane
Beauveria bassiana 7552 7553 7554
Beauveria brongniartii 7555 7556 7557 7558 7559 7560 7561
Beauveria sp. 7562 7563 7564 7565 7566 7567
Isaria farinosa 7574 7575 7576 11656
Isaria fumosorosea 11657 11658 11659
Lecanicillium muscarium 7568
Metarhizium anisopliae sensu lato 7014 7015 7016 7017 7018 7019 7020

7021 7022 7023 7024 7025 7026 7569 7570 7571 7572 7573

Sør Trøndelag

Metarhizium anisopliae sensu lato 5369

Telemark

Metarhizium anisopliae sensu lato 11661

Troms

Beauveria pseudobassiana 5557
Tolypocladium cylindrosporium 5525

Oman

Metarhizium guizhouense 3611
Metarhizium pingshaense 3610

Pakistan

Fusarium acutatum 3704 3707
Isaria farinosa 5081 5082 5083 5084
Isaria fumosorosea 3848 3851 3878 4498 4499 4501 4502 4503 5085 5086 5087 5088 5089 5090 5107 5113 5115 5116 5117 5118 5119 5121 5122 5272 5298 5475 5476
Metarhizium anisopliae sensu lato 3619
Metarhizium pingshaense 3605
Paecilomyces sp. 3874 3875 3877 5091 5092 5093 5094 5095 5096 5097 5098 5099 5100 5101 5102 5103 5104 5105 5106 5108 5109 5110 5111 5112 5114
Sterile mycelium 3703 3705 3712
Unidentified sp. 3842 3845 3847 3849 3850 3876

Panama

Ascopolyporus philodendrus 7354
Ascopolyporus villosus 7355
Cordyceps spegazzinii 7850
Escovopsis aspergilloides 5575
Escovopsis sp. 5574
Escovopsis weberi 5576
Hypocrella panamensis 8361
Purpureocillium lilacinum 8456
Torrubiella piperis 7232
Chiriqui
Aschersonia aleyrodii 7641
Aschersonia basicystis 7749

Papua New Guinea

Morobe Province

Metarhizium anisopliae sensu lato 4630
Metarhizium guizhouense 4604
Metarhizium lepidiotae 4660

Papua New Guinea

Aspergillus flavus 2157 2158 2159
Beauveria sp. 2164
Lasiodiplodia theobromae 2170
Metarhizium anisopliae sensu lato 2156 2163 2165 2166 2167 4773 8612 8748
Metarhizium anisopliae sensu stricto 8614
Metarhizium lepidiotae 4587
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- Purpureocillium lilacinum* 2155
Scopulariopsis sp. 2169
Synnematum jonesii 5664
Trichoderma sp. 2160 2161
- East New Britain
Fusarium lateritium 2304
Fusarium oxysporum 2311
Fusarium pseudocircinatum 2301
Fusarium semitectum 2299 2300
Fusarium solani 2312 2313 2314
Fusarium sp. 2303
Syncephalastrum racemosum 2315
- New Britain
Hirsutella thompsonii 258 414
- Peru**
Beauveria bassiana 5982
Purpureocillium lilacinum 2183
- Andes Mountains
Beauveria amorpha 1969
- Junín
Beauveria bassiana 5983
- La Libertad
Beauveria bassiana 5984
- Philippines**
Hirsutella citrififormis 1243 1244 1245
1246 1249 1251 1252 1253 1254 1255
1256 1257 1258 1259
Metarhizium minus 1546 1547
- Abra
Metarhizium rileyi 1762
- Benguet
Aspergillus flavus 2818
Aspergillus sp. 2765 2817 2820
Beauveria bassiana 2725 2727 2728
2729 2737 2739 2748 3197 3198 3199
5287 5288 5289 5290 5291 5292 5293
5294 5295 5296
Beniowskia sp. 2751
Conidiobolus coronatus 2730
Conidiobolus firmipilleus 2731
Conidiobolus sp. 2771 2772 2815 2816
3208
Fusarium proliferatum 2776
Fusarium sp. 2736 2743
Geotrichum sp. 2752
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Isaria fumosorosea 2733 2734 2744
2745 2749 3179 3188
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2805 2806 3190 3196
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Metarhizium brunneum 2742
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Myrothecium verrucaria 2741
Pandora blunckii 2824 3200 3202
Pandora sp. 3201
Penicillium sp. 2747
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Unidentified sp. 2746 2821
Zoophthora radicans 2732 2893 3204
3205 3206
- Cagayan
Metarhizium album 2081
- Laguna
Aspergillus sp. 3176
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419 421 422
Metarhizium album 1942 1943
Metarhizium pingshaense 3180
- Leyte
Hirsutella citrififormis 2347 2598
Isaria fumosorosea 2175
Metarhizium album 2176 2178 2179
Metarhizium rileyi 2174
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2185 2186
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- Luzon
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4984
- Manila
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Beauveria brongniartii 1431
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Hirsutella citrififormis 490 684 1036
1062 1063 1064 1436
Hirsutella guyana 2352 2387
Hirsutella sp. 1096
Hirsutella strigosa 2044 2197
Hirsutella verticillioides 2599
Isaria farinosa 2344 2355 2376
Isaria fumosorosea 2198
Metarhizium album 1840
Metarhizium anisopliae sensu lato
457 485 486 487 488 489 543 1284
1285 1286 1290 1300 1304
Metarhizium brunneum 455
Metarhizium minus 1099 1271 1272
1273 1274 1275 1276 1277 1279 1283
1287 1288 1289 1291 1292 1293 1294
1295 1296 1297 1301 1302 1303 1305
1945 2037
Metarhizium pingshaense 456 2043
Metarhizium sp. 2353
Metarhizium rileyi 481 482 483 1761
2395
Purpureocillium lilacinum 2184
Paecilomyces reniformis 429 484
Paecilomyces sp. 2354
Pandora delphacis 458 459 460 461
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Unidentified sp. 1703
Zoophthora radicans 1699
- Mindanao
Hirsutella citrififormis 1549
Metarhizium rileyi 1756 1757 1758
1759 1760
- Misamis Oriental
Hirsutella sp. 2208 2209
- Palawan
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Hirsutella citrififormis 1550
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- Metarhizium album* 1941
Metarhizium anisopliae sensu lato
1432 1548 2341 2342 2343
Metarhizium minus 2339
Metarhizium pingshaense 1545
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- Pangasinan
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- Quezon
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Isaria fumosorosea 3177
Mixed Culture sp. 3182
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- Poland**
Basidiobolus haptosporus 1347
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335 474
Beauveria brongniartii 1366
Beauveria pseudobassiana 156 157
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Conidiobolus thromboides 86 87 631
633 634 635
Erynia sp. 1338
Furia ithacensis 1339 1340
Fusarium lateritium 1331 1416
Hirsutella nr. *haptospora* 1362 1363
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Hirsutella radiata 1369
Hirsutella subulata 2227
Isaria farinosa 475 476 1348 1349
1354 1355 1358
Lecanicillium lecanii 1351
Lecanicillium muscarium 972 1330
1332 1334 1335 1352
Metarhizium majus 1858 1859
Pandora dipterigena 1422
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Metapochonia bulbilosa(?) 1365
Polycephalomyces formosus 1424
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- Pniewy
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- Szczecin
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Pandora neoaphidis 638 639
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Isaria fumosorosea 2679
Metarhizium anisopliae sensu lato
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4922 4923 4924 4931 4932

PR China

Beauveria bassiana 501 502 533 652
708 709 6387 6793 6794 6795
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Paecilomyces sinensis 6284 6285
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6233 6234 6390 8414
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Cordyceps militaris 6248
Hymenostilbe sphecophila 6292
Isaria cateniannulata 6240 6241 6242
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Isaria cateniobliqua 6244 6283
Isaria farinosa 6246
Isaria tenuipes 6249
Metarhizium anisopliae sensu lato
6236 6237
Metarhizium guizhouense 6238
Metarhizium pingshaense 8420
Metarhizium rileyi 6239
Purpureocillium lilacinum 6247
Scopulariopsis sp. 8421 8422

Beijing

Ramicandelaber longisporus 6175
6176

Gansu Province

Beauveria bassiana 7155 7164

Guangdong Province

Aschersonia placenta 7607 7686
Clavicipitaceae anamorph 7683

Guangxi Zhuang Autonomous Region

Beauveria bassiana 11713
Nomuraea atypicola 9594

Guizhou Province

Beauveria bassiana 9595 9598 9600
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11719 11720
Beauveria brongniartii 9599
Beauveria pseudobassiana 6229
Beauveria sp. 9596 11709 11714
Cordyceps militaris 11703
Cordyceps pruinosa 11724
Cordyceps sp. 6281 6349
Hirsutella liboensis 9603
Isaria cateniannulata 9601

Isaria cicadae 11726
Isaria farinosa 11710
Isaria fumosorosea 9602
Isaria tenuipes 11705 11706 11707
Mariannaea pruinosa 5413
Pythium sp. 5731 5732
Verticillium lecanii 6350
Verticillium sp. 6250
Hebei Province
Beauveria bassiana 7156 7157 7166
7167 7168 7169 7170 7171 7172 7173
7174 7175 7176 7177 7178

Heilongjiang

Entomophaga maimaiga 7139 7183
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Heilongjiang Province

Hirsutella minnesotensis 7288 7289
7290 7291

Hunan

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Hupei

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Pandora delphacis 665 666 667 669
676 698 713
Zoophthora radicans 685

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Pandora delphacis 657 659 660 668
672 673 674 682 686 716

Kiangsu

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Conidiobolus coronatus 655
Conidiobolus lachnodes 700
Metarhizium guizhouense 683

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Hirsutella minnesotensis 7294
Hirsutella rhossiliensis 7292 7293
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Shaanxi Province

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Shanxi Province

Hirsutella rhossiliensis 7286 7287

Sichuan Province

Beauveria bassiana 6027
Cordyceps pruinosa 11723
Isaria cateniannulata 11722
Isaria farinosa 6028 6029 6030 6031
6032 6033 6034 6036 6037 6038 6048
6049
Lecanicillium muscarium 6035
Verticillium lecanii 6045 6046 6047
6050

Yunnan

Isaria farinosa 6245

Yunnan Province

Cordyceps militaris 11704
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Mixed Culture sp. 11718
Pandora nouryi 8930 8931
Simplicillium lamellicola(?) 11725

Zhejiang Province

Pandora delphacis 6538 6539
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Zhijiang
Beauveria bassiana 718
Isaria fumosorosea 720
Metarhizium guizhouense 703
Metarhizium rileyi 711
Pandora delphacis 670

Republic of China

Taiwan

Beauveria bassiana 4866
Fusarium sp. 4863 4864
Isaria farinosa 8917
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8780 8781 8782 8783 8784 8785 8786
8787 8788 8789 8790 8791 8792 8793
8794 8795 8796 8797 8798 8799 8858
8859 8860 8861 8862 8863 8864 8865
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8887 8894 8895 8896 8897 8898 8899
8900 8901 8902 8903 8904 8905 8906
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8914 8915 8916 8941 8942 8943 8944
8945 8946 8947 8948 8949 8950 8951
8952 8953 8954 8955 9235 9236
Metarhizium cylindrosporium 6926
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8920 8921 8922
Scopulariopsis sp. 11652
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Republic of Georgia

Beauveria bassiana 8695 8697
Beauveria sp. 6533 6534 6535 6536
6537
Isaria fumosorosea 10224
Metarhizium anisopliae sensu lato
8696 8698 8700

Autonomous Republic of Abkhazi

Aschersonia aleyrodii 9535

Autonomous Republic of Adjara

Evlachovaea kintrischica 7218 8058
Fusarium sp. 6225

Kakheti

Beauveria bassiana 8694
Metarhizium anisopliae sensu lato
8701 8702
Metarhizium sp. 8699

Kvemo Kartli

Metarhizium anisopliae sensu lato
8703

Republic of Kazakhstan

Beauveria bassiana 10350 10351
Isaria sp. 10378

Republic of Kiribati

Metarhizium guizhouense 7507

Republic of Korea

- Beauveria bassiana* 2040 6658 6722
6723 12822
Beauveria sp. 4853
Cordyceps militaris 4845 4857
Cordyceps sp. 4852 4855 4856
Fusarium concentricum 2053
Hirsutella bogoriensis 2187
Hirsutella repens 2348 2359 2394
Metarhizium koreanum 2038 2039
Polycephalomyces ramosus 4858
Torrubiella homopterorum 2045
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Ophiocordyceps gracilioides 5696
Cordyceps militaris 4874
Chungnam Province
Beauveria bassiana 7239 7240
Beauveria sp. 5697
Unidentified / Hyphomycetes 5698
Gyeongbuk Province
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Gyeonggi Province
Beauveria bassiana 7235 7250 7266
Cordyceps militaris 4847
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Isaria farinosa 5699 7249
Unidentified / Hyphomycetes 5695
Jeju Province
Beauveria bassiana 7241 7271 7272
Jheonnam
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Kangwon-do
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7238 7244 7246 7247 7251 7252 7253
7254 7255 7260 7261 7264 7265 7267
Beauveria brongniartii 7268
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Beauveria sungii 5689 7279 7280 7281
Cordyceps agriota 5692
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Cordyceps isarioides 5688
Cordyceps militaris 4869 4873
Cordyceps ochraceostromata 5691
Cordyceps pruinosa 5693
Cordyceps roseostromata 4870 4871
4872
Cordyceps sp. 4848 4851
Cordyceps staphylinidaecola 5718
6719 6720
Conidiobolus sp. 5712
Isaria amoenerosea 4849
Isaria farinosa 7245 7262 7263 7276
Isaria fumosorosea 5694
Isaria tenuipes 5700
Lecanicillium muscarium 7248
Unidentified sp. 4844
Yeongnam Region
Beauveria bassiana 11715

Romania

- Beauveria bassiana* 6228
Isaria fumosorosea 5874
Metarhizium robertsii 5873

Rumania

- Munteniæ
Beauveria pseudobassiana 299

Russian Federation

- Beauveria bassiana* 6008 6019
Beauveria sp. 4197
Lecanicillium lecanii 6010
Purpureocillium lilacinum 6018
Astrakhan Oblast
Evlachovaea sp. 7602
Belgorod Region
Pochonia chlamydosporia 9494
Pochonia chlamydosporia var.
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Irkutsk Region
Beauveria bassiana 7593
Karachayevo-Cherkessiya Republ
Beauveria bassiana 9446
Beauveria brongniartii 9452
Beauveria sp. 7579 7584
Clonostachys rosea 9492
Isaria farinosa 7723 9511
Isaria tenuipes 7735 9533
Lecanicillium sp. 9459
Tolypocladium cylindrosporium 9503
Tolypocladium inflatum 9506
Khabarovsk
Entomophaga maimaiga 7127
Krasnodarsky Krai
Beauveria bassiana 7583 9444
Beauveria sp. 7587
Clonostachys rosea 9493
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Engyodontium album 9454
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Erynia sp. 9537
Isaria farinosa 7733 9512
Isaria fumosorosea 9520
Isaria tenuipes 7790 9531 9532
Lecanicillium muscarium 7633
Lecanicillium psalliotae 9473
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Simplicillium lamellicola 9481
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Sporothrix ghanensis 9500
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Lipetsk Oblast
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Moscow Region
Beauveria bassiana 9441 9449
Calcarisporium arbuscula 6155
Clonostachys candelabrum 9499
Cordyceps militaris 9484
Engyodontium album 7712
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Isaria coleopterorum 9509

- Isaria farinosa* 9515
Lecanicillium aphanocladii 9461
Lecanicillium nr. *aranearum* 9460
Lecanicillium muscarium 9471 9472
Lecanicillium psalliotae 9474
Lecanicillium sp. 9458 9465 9466
Mariannaea elegans 9456
Metarhizium rileyi 9489
Tolypocladium geodes 9505
Novgorod Region
Engyodontium album 7713
Novosibirsk Region
Conidiobolus thromboides 6662
Sporothrix insectorum 9501
Primorsky Krai
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7591 7594 7598
Clonostachys rosea 9491
Cordyceps militaris 7809 7810
Ophiocordyceps nutans 7220
Cordyceps pruinosa 7221
Cordyceps pseudoinsignis 7222
Cordyceps sp. 7808 7811 7848
Engyodontium rectidentatum 7805
Isaria farinosa 7714 7715 7717 7718
7720 7722 7724 7725 7726 7727 7729
7730 7731 7732 7736 7737 7739
Isaria farinosa(?) 7219
Isaria fumosorosea 7716 7740 7743
Isaria sp. 9517 9518
Lecanicillium aphanocladii 9440
Lecanicillium muscarium 7224 7620
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Lecanicillium muscarium(?) 9464
Lecanicillium sp. 7624 7625 7626 7627
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Metarhizium rileyi 9490
Nomuraea sp. 7851
Purpureocillium lilacinum 9522
Metarhizium marquandii 9530
Paecilomyces sp. 7721 7741 7742 7746
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Metapochonia suchlasporia 9495
Polycephalomyces sp. 9496
Tolypocladium cylindrosporium 7812
Rostov
Beauveria bassiana 6009 6011 6013
6014 6016 6039 6040 6041 6042
Beauveria brongniartii 6023
Beauveria pseudobassiana 6015 6022
6043
Isaria farinosa 6012 6017 6020 6044
Purpureocillium lilacinum 6021 6024
6026
Verticillium lecanii 6025
Sakhalin Region
Beauveria bassiana 7590 7596 9443
Beauveria sp. 7589
Evlachovaea sp. 7600 7601
Isaria farinosa 7719 7728 9510
Lecanicillium muscarium 7621 9467
Metarhizium sp. 7645
Purpureocillium lilacinum 9523

- Sporothrix insectorum* 9502
 Unidentified / Hyphomycetes 7806
 Tver Region
Beauveria brongniartii 9453
Elaphocordyceps ophioglossoides 9485
Lecanicillium sp. 9478
Metarhizium marquandii 9529
Tolypocladium geodes 9504
 Tyumen Oblast
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- Saint Lucia**
Lecanicillium psalliotae 8890
- Scotland**
 Grampian
Beauveria caledonica 2567
- Senegal**
Fusarium nygamai 2316
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Metarhizium acridum 6421
- Slovakia**
Beauveria bassiana 12957 12958
 12960 12961 12962 12964 12965
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 12973 12974 12975 12977 12978
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 4341 4558 4572 4582
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 4342 4557 4610
- Guadalcanal
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Entomophaga sp. 1881
Gibellula clavulifera var. *alba* 1909
Hirsutella citrififormis 1913
Lecanicillium lecanii 1905
Metarhizium minus 1763 1764 1765
 1766 1767 1768 1769 1770 1771 1772
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Artvin

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Fusarium sporotrichioides 8305
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Kirsehir

Fusarium sp. 6428

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Evlachovaea sp. 8441 8442 8449
Fusarium sp. 8301 8302 8650
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8435 8447 8452 8453 8660

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<i>Fusarium</i> sp.	9273 9274 11670 11671		
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<i>Isaria farinosa</i>	9269 9270 9275 9276		
	9277 9278		
<i>Isaria fumosorosea</i>	8333		
<i>Lecanicillium muscarium</i>	9267 9268		
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<i>Metarhizium anisopliae</i> sensu lato	8346 8436 8446 8450 8451 8454		
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Uganda			
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<i>Fusarium</i> sp.	5879		
<i>Tolypocladium lignicola</i>	5218		
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<i>Lecanicillium muscarium</i>	9470		
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<i>Rotiferophthora angustispora</i>	9498		
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Unidentified / Hyphomycetes	9540		
Kherson Oblast			
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<i>Hirsutella thompsonii</i>	9457		
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<i>Metarhizium anisopliae</i>	9488		
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United Kingdom			
<i>Beauveria bassiana</i>	6552 6553 6555		
	6556 6557 6559 6560 6563 6564 6565		
	6566 6567 6568 7764 7765 7766 7767		
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England			
<i>Basidiobolus ranarum</i>	6380 6382		
<i>Basidiobolus</i> sp.	9894 9895 9896 9897		
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<i>Brachyphoris oviparasitica</i>	12622		
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<i>Conidiobolus coronatus</i>	1738 6379		
<i>Conidiobolus firmipilleus</i>	6384		
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<i>Conidiobolus iuxtagenitus</i>	6378		
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<i>Tolypocladium inflatum</i>	3396		
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<i>Verticillium lecanii</i>	3741 3742 3743		
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N.E. England			
<i>Drechmeria coniospora</i>	5591		
<i>Metapoconia microbactrospora</i>	5616		
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Scotland			
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Colonia			
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	7958 7959 7963 7964 7965 7966 7968		
<i>Beauveria</i> sp.	7960		
<i>Isaria farinosa</i>	7961 7962		
<i>Metarhizium anisopliae</i> sensu lato	7967 8365		
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Arizona			
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<i>Beauveria bassiana</i>	5283 5284 10478		
	10481 10531 10533 10534 10535		
	10539 10540 10541 10544 10545		
	10560 10570 10571 10580 10588		
	10589 10590 10591 10592 10593		
	10604 10614 10615 10641 10715		
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	10745 10747 10750 10840 10841		
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11908 11909 11910 11911 11912	<i>Beauveria bassiana</i> 5970 5971 5972	<i>Myriodontium keratinophilum</i> 368
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11923 11924 11925 11926 11927	8933 8934 8935 8936 8937 8938 8939	<i>Nematocionus</i> sp. 3351
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11958 11959 11960 11962 11968	8978 8979 8980 8981 8982 8983 9193	<i>Smittium culisetae</i> 9095
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10492 10732 10845 10846 10847	9348 9349 9350 9351 9352 9353 9587	<i>Batkoa apiculata</i> 3080
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<i>Entomophaga calopteni</i> 497 623 625	<i>Conidiobolus coronatus</i> 11651	10660 10661 10662 10663 10665
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<i>Entomophaga macleodii</i> 496 618 619	<i>Conidiobolus</i> sp. 1672	10706 10708 10710 10711 10712
620 621 624 628 629 765 767 768	<i>Conidiobolus thromboides</i> 15 29 115	10713 10714 10721 10723 10727
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<i>Fusarium</i> sp. 12038	<i>Dactylella oxyspora</i> 4801	11083 11084 11085 11086 11088
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12644 12645 12646 12647 12648	<i>Fusarium</i> sp. 3668 3669 3670 3671	11161 11162 11163 11164 11165
12649 12654 12656 12659 12687	3674 10470	11166 11168 11169 11170 11171
12688 12689 12690 12697 12698	<i>Geotrichum</i> sp. 11653 11654	11173 11175 11176 11178 11179
12699 12700 12701 12710 12763	<i>Haptocillium balanoides</i> 3350	11180 11181 11182 11183 11184
13031	<i>Harposporium lilliputanum</i> 8425	11185 11218 11219 11220 11240
<i>Myriodontium keratinophilum</i> 12005	<i>Harposporium microsporum</i> 8424	11243 11244 11245 11251 11252
<i>Purpureocillium lilacinum</i> 11749	<i>Harposporium oxycoracum</i> 8426	11253 11254 11259 11260 11261
11750	<i>Hirsutella rhossiliensis</i> 2788 2789	11262 11263 11268 11278 11279
<i>Paecilomyces</i> sp. 3768	2790 2791 2792 2793 2794 2931	11282 11283 11284 11285 11286
Unidentified / Hyphomycetes 12029	2932 2933 3747 3748 3750 3751 3752	11287 11312 11326 11330 11344
12030 12041 12042 12047	3753 3754 3755 3756 3757 3758 3759	11345 11352 11353 11354 11355
Arkansas	3761	11360 11361 11362 11363 11365
<i>Beauveria bassiana</i> 3769 7404	<i>Hirsutella</i> sp. 2795 2796 2797 2798	11368 11369 11370 11371 11372
<i>Pandora delphacis</i> 3484	2799 2801 2802 2803	11377 11378 11381 11382 11384
<i>Pandora heteropterae</i> 9266	<i>Hirsutella thompsonii</i> 2800	11386 11388 11389 11390 11391
<i>Pandora neoaphidis</i> 3248 3249 3250	<i>Isaria farinosa</i> 1939 3658 3659 3661	11392 11393 11394 11395 11398
3251	<i>Isaria fumosorosea</i> 3660 3662 3663	11402 11405 11409 11410 11411
<i>Smittium</i> sp. 9087	4480 4481 4489	11412 11413 11416 11418 11423
<i>Sorosporaella uvella</i> 1123	<i>Isaria</i> sp. 11628	11424 11425 11427 11428 11429
Unidentified / Hyphomycetes 5237	<i>Lagenidium giganteum</i> 1384 3327	11430 11431 11432 11439 11440
5238 5239 5240 5241	<i>Lecanicillium muscarium</i> 3324	11441 11442 11443 11444 11451
California	<i>Lecanicillium</i> sp. 9163 11638 11639	11452 11453 11454 11458 11460
<i>Amoebidium parasiticum</i> 9257	11640 11641 11642 11643 11644	11465 11472 11474 11477 11479
<i>Drechslerella dactyloides</i> 2934 3733	11645 11646 11647 11649	11481 11482 11483 11484 11486
5433	<i>Metarhizium anisopliae</i> 9354	11490 11491 11493 11494 11495
<i>Arthrotrrys haptotyla</i> 5435	<i>Metarhizium anisopliae</i> sensu lato	11496 11497 11498 11500 11501
<i>Arthrotrrys musiformis</i> 3730	8956 8957 9150 9151 9152 9153 9154	11503 11504 11507 11513 11514
<i>Arthrotrrys oligospora</i> 3732	9155 9156 9157 9158 9159 9160 9161	11515 11516 11517 11520 11523
<i>Arthrotrrys thaumasia</i> 5434	9162 9439	11524 11525 11526 11527 11528
<i>Basidiobolus haptosporus</i> 262 264	<i>Monacrosporium cionopagum</i> 3349	11529 11610 11611 11875 11886
<i>Basidiobolus microsporus</i> 265 267 268	<i>Monacrosporium elliposporum</i> 3348	11887 11891
269	3731 5702	<i>Beauveria pseudobassiana</i> 10658
<i>Basidiobolus ranarum</i> 260	<i>Metarhizium robertsii</i> 1897	10667 10668 10670 10671 10672
		10674 10676 10677 10707 10709

10720 10730 11110	<i>Aschersonia cubensis</i> 7307 7308 7309	Georgia
<i>Etolachovaea</i> sp. 7543	7312 7334	<i>Beauveria bassiana</i> 336 337 2676 5573
<i>Lecanicillium</i> sp. 7544	<i>Aschersonia goldiana</i> 343	<i>Beauveria caledonica</i> 7117
<i>Metarhizium</i> sp. 9686 9693 9757 9763	<i>Aschersonia</i> sp. 7310 7311 7313 7314	<i>Entomophaga aulicae</i> 251
9764 9768 9769 9770 9771 9772 9773	7317 7318 7319 7320 7321 7322 7323	<i>Fusarium proliferatum</i> 2568 2569
9774 9775 9885 9886 9950 9951 9952	7324 7325 7326 7327 7328 7329 7337	<i>Metarhizium anisopliae</i> sensu lato
9953 9954 9955 9957 9958 9959 9960	<i>Aschersonia turbinata</i> 7296 7297 7298	11951
9961 9962 9963 9964 9969 9970 9971	7299 7300 7301 7302 7303 7304 7305	<i>Nomuraea atypicola</i> 7231
9972 9973 9974 9978 9979 9984 9987	7306 7315 7316 7331 7332 7333 7335	Hawai'i
9988 9989 9990 9991 9992 9993 9994	7336	<i>Acremonium</i> (?) sp. 7031
9995 9996 9997 10004 10028 10029	<i>Ascospaera apis</i> 6362	<i>Beauveria bassiana</i> 7030 8704 8705
10030 10033 10034 10035 10036	<i>Aspergillus nidulans</i> (?) 6515	8709 12573 12574 12575 12576 12577
10037 10038 10039 10040 10044	<i>Aspergillus ochraceus</i> (?) 7027	12578 12579 12580 12581 12582
10045 10046 10047 10053 10055	<i>Aspergillus sydowii</i> 8379 8382	12583 12584 12585 12586 12587
10057 10062 10067 10069 10070	<i>Basidiobolus ranarum</i> 5889 5890 5891	12588 12589 12590 12591 12592
10071 10077 10080 10083 10084	5892 5893 5894 5895 5896 5897 5898	12593 12594 12595 12596 12597
10087 10088 10093 10094 10099	5899 5900 5901 5902 5903 5904 5905	12598 12599 12600 12601 12602
10100 10106 10111 10112 10113	5906 5907 5908 5909 5910 5911 5912	12603 12604 12605 12606 12607
10114 10115 10117 10118 10316	5913 5914 5915 5916 5917 5918 5919	12608 12609 12610 12611 12612
10319 10320	5920 5921 5922 5923 5924 5925 5926	12613 12614 12615 12616 12617
<i>Myriodontium keratinophilum</i> 11186	5927 5928 5929 5930 5931 5932 5933	12618 12619 12620 12805 12806
<i>Purpureocillium lilacinum</i> 7545 7546	5934 5935 5936 5937 5938 5939 5940	12807 12808 12809 12810 12811
7547 7548	5941 5942 5943 5944 5945 5946 5947	12812 12813 12814 12815 12816
<i>Pandora neoaphidis</i> 3081 3082	5948 5949 5950 5951	12821 12891 12892 12893 12894
<i>Smittium coloradense</i> 9001 9002	<i>Basidiobolus</i> sp. 2048 2049 2050 2051	<i>Beauveria bassiana</i> sensu lato 12982
<i>Smittium culisetae</i> 9012	2052	12983 12984 12985 12986 12987
<i>Smittium fecundum</i> 9022 9083	<i>Beauveria bassiana</i> 320 412 413 416	12988 12989 12990 12991 12992
<i>Smittium perforatum</i> (?) 9055	2236 2869 3086 5973 5974 5977 5978	12993 12994 12995 12996 12997
<i>Smittium tipulidarum</i> 9052 9053 9054	5979 5980 5981 5985 5986 5988 5989	12998 12999 13000 13001 13002
9122	5991 7940	13003 13004 13005 13006 13007
Connecticut	<i>Beauveria bassiana</i> (?) 5975 5976	13008 13009 13010 13011 13012
<i>Beauveria bassiana</i> 5767 6393	<i>Conidiobolus coronatus</i> 3222	13013 13014 13015 13016 13017
<i>Beauveria bassiana</i> (?) 5816 5817 5818	<i>Cladosporium cladosporioides</i> 3085	13018 13019 13020 13046 13047
<i>Entomophaga maimaiga</i> 2775	<i>Cladosporium sphaerospermum</i> 6516	13048 13049 13050 13051 13052
<i>Hirsutella</i> sp. 3266	<i>Conidiobolus</i> sp. 3406 3407	13053 13054 13055 13056 13057
<i>Isaria farinosa</i> 5826 5827	<i>Conidiobolus thombooides</i> 39	13058 13059 13060 13061 13062
<i>Lecanicillium lecanii</i> 5759	<i>Hirsutella citrififormis</i> 1035 1446 8315	13063 13064 13065 13066 13067
<i>Lecanicillium lecanii</i> (?) 11815	9180 11665	13068 13069 13070 13071 13072
<i>Lecanicillium muscarium</i> (?) 11816	<i>Hirsutella</i> sp. 7578	13073 13074 13075 13076 13077
<i>Mariannaea</i> sp. 3264 3265 3267 3268	<i>Hirsutella thompsonii</i> 137 241 253	13078 13079 13080 13081 13082
3269 3270	<i>Isaria farinosa</i> 2954	13083 13084 13085 13086 13087
<i>Metarhizium anisopliae</i> sensu lato	<i>Isaria fumosorosea</i> 2247 2658 3076	13089 13090 13091 13092 13093
3713 3720 6388	3083 3322 3682 4479 7347	13094
<i>Metarhizium brunneum</i> 6392 7234	<i>Isaria javanica</i> 322	<i>Cladosporium cladosporioides</i> (?)
8415 8416 8417 8418 8419	<i>Lecanicillium longisporum</i> 321	7033
<i>Metarhizopsis microspora</i> 8676 11843	<i>Lecanicillium psalliotae</i> 2234 2235	<i>Lecanicillium muscarium</i> 7034
<i>Metarhizium robertsii</i> 3721	<i>Leptolegnia chapmanii</i> 2562 2680 2682	<i>Metarhizium</i> sp. 13088
<i>Myriangium</i> sp. 11852 11853 11858	<i>Metarhizium anisopliae</i> sensu stricto	<i>Paecilomyces reniformis</i> 7040 7041
<i>Myriodontium keratinophilum</i> 11837	1080	Hawaii
11838	<i>Metarhizium brunneum</i> 4556	<i>Acremonium</i> (?) sp. 7036
Sterile mycelium 5819	<i>Metarhizium pingshaense</i> 5197	<i>Beauveria bassiana</i> 3040 8706 8707
Unidentified sp. 3722	<i>Mucor fragilis</i> 11762	8708 8710 8711 8712 10471
Delaware	<i>Metarhizium rileyi</i> 6866 6868 6869	<i>Beauveria kipukae</i> 7032
<i>Beauveria bassiana</i> 2570 2571 2572	6870 6871 6872 6873 6876 6881 6882	<i>Cladosporium</i> sp. 7035 7039
2573	<i>Purpureocillium lilacinum</i> 410 9610	<i>Fusarium concolor</i> 3042
<i>Zoophthora phytonomi</i> 2188	<i>Paecilomyces</i> sp. 6883 8316	<i>Isaria farinosa</i> 7094
District of Columbia	<i>Podonectria coccicola</i> 3736	<i>Isaria fumosorosea</i> 3889
<i>Fusarium coccophilum</i> 821	<i>Smittium culisetae</i> 9013	<i>Lecanicillium muscarium</i> 7037
<i>Myrothecium verrucaria</i> 7757	<i>Sorosporaella uvella</i> 1856	<i>Metarhizium anisopliae</i> sensu lato
Florida	<i>Stilbella buquetii</i> 2915	9217 9218
<i>Akanthomyces clavatus</i> 7577	<i>Tilachlidium</i> sp. 10132	<i>Metarhizium brunneum</i> 3045
<i>Aphanocladium album</i> 3680	<i>Tolypocladium cylindrosporum</i> 2912	<i>Metarhizium pingshaense</i> 3044
<i>Aschersonia aleyrodis</i> 341 342 430 432	<i>Trichoderma</i> sp. 3084	<i>Metarhizium robertsii</i> 3043
7339 7340 7343 7344	Unidentified sp. 2563	<i>Smittium culisetae</i> 9014 9026 9047
<i>Aschersonia andropogonis</i> 7341 7342	Unidentified / Hyphomycetes 7345	9098 9099 9100 9101 9102 9103 9104
	7349	9105 9106

<i>Sporothrix</i> sp. 7038 7042	Louisiana	<i>Entomophaga maimaiga</i> 5377 5378
Idaho	<i>Ascosphaera apis</i> 13022 13023 13024	5379 5380 5381 5382 5383 5384 5385
<i>Beauveria bassiana</i> 2336 2860 2861	13025 13026 13027 13028 13029	5386 5387 5388 5389 5390
2864 2879 2880 2881 2882 2883	13030	<i>Fusarium polyphialidicum</i> 3696
10926 11246 11247 11248 11249	<i>Basidiobolus ranarum</i> 2787	<i>Furia gastropachae</i> 5545 5546
11250 11346 11375 11417 11419	<i>Beauveria bassiana</i> 6906 6907 6908	<i>Fusarium</i> sp. 3532
11420 11422 11447 11448 11505	<i>Candida</i> sp. 1857	<i>Hirsutella</i> sp. 8999
11519 11530 11550 11573 11575	<i>Conidiobolus coronatus</i> 2715	<i>Isaria farinosa</i> 2131 2835 3492 3498
11917 11966 12100 12103 12110	<i>Conidiobolus lamprauges</i> 2338	3507 3524 3526 3666
<i>Beauveria pseudobassiana</i> 11105	<i>Conidiobolus osmodes</i> 193 447	<i>Penicillium</i> sp. 2834 2836
<i>Conidiobolus coronatus</i> 2812 2813	<i>Conidiobolus rhyosporus</i> 448	<i>Schizangiella serpentis</i> 203
2814	<i>Lagenidium giganteum</i> 749	<i>Syspastospora parasitica</i> 7285
<i>Conidiobolus thromboides</i> 2828 2829	<i>Metarhizium anisopliae</i> sensu lato	Massachusetts
2849 2850	6909 6910 6911 8015	<i>Acremonium</i> sp. 5773
<i>Fusarium proliferatum</i> 2337	<i>Smittium culisetae</i> 9024	<i>Beauveria bassiana</i> 1 3037 5169 5170
<i>Fusarium</i> sp. 2333	Maine	5171 5770 5796
<i>Lecanicillium muscarium</i> 2334 2858	<i>Batkoa apiculata</i> 129 174	<i>Entomophaga maimaiga</i> 2779 5564
2862 2877 2878	<i>Beauveria bassiana</i> 33 252 353 8383	6004 6005 6269 6270 6271 6272 7123
<i>Lecanicillium psalliotae</i> 2332	8384 8385 8386 8387 8388 8389 8390	7124 7125 7126 7137 7138
<i>Metarhizium</i> sp. 9946 9948 9949 9956	8391 8392 8393 8394 8395 8396 8397	<i>Fusarium polyphialidicum</i> 3694
10017 10032 10074 10075 10089	8398 8399 8400 8401 8402 8403 8404	<i>Fusarium</i> sp. 5803 5825
10090 10091 10092 10097 10098	8405 8406 8407 8408 9550 9558 9559	<i>Geotrichum</i> (?) sp. 5823
10122 10123 10124 10125 10321	9560 9561 9562 9563 9564 9565 9566	<i>Isaria farinosa</i> 3 5178 5774 5775 5776
12709 12759	<i>Beauveria brongniartii</i> 7058	5784 5788 5790 5792 5797 5799 5800
<i>Pandora neoaphidis</i> 2874 2875 2876	<i>Beauveria bassiana</i> sensu stricto	5801 5802 5830
3240 3365 3366 3367 6631	12347 12348 12349 12350 12351	<i>Isaria</i> sp. 11630
<i>Stachybotrys</i> sp. 2863	12352 12353 12354 12355	<i>Lecanicillium</i> (?) sp. 9369
Unidentified sp. 3368	<i>Conidiobolus obscurus</i> 182	<i>Lecanicillium lecanii</i> 5785 5787 5794
Unidentified / Zygomycetes 4970	<i>Coelomycidium simulii</i> 218	5829
4971	<i>Conidiobolus</i> sp. 92 93 94 147 148	<i>Lecanicillium muscarium</i> 5165 5778
<i>Verticillium lecanii</i> 2859	<i>Conidiobolus thromboides</i> 2 5 40 41	5779 5780 5782 5791 5798 5828
<i>Zoophthora radicans</i> 2811	57	<i>Lecanicillium muscarium</i> (?) 5777
Illinois	<i>Entomophaga aulicae</i> 51 164 165 166	<i>Lecanicillium</i> sp. 3259 3260 9175 9176
<i>Beauveria bassiana</i> 7152 7153 7154	167 168 172 7140 7141 7142 7143	11648
<i>Erynia</i> sp. 1666	7144 7145	<i>Mariannaea</i> sp. 3261 3262 3263
<i>Metarhizium anisopliae</i> sensu lato	<i>Erynia rhizospora</i> 219	<i>Metarhizium anisopliae</i> sensu lato
7180	<i>Hirsutella gigantea</i> 30	6389 9590
<i>Zoophthora phytonomi</i> 3342 3343 3344	<i>Hirsutella longicolla</i> var. <i>cornuta</i> 177	<i>Metarhiziopsis microspora</i> 8984 8985
<i>Zoophthora radicans</i> 1938 2549 2550	178	<i>Paecilomyces</i> sp. 5179 5180
2551 2552 2716 2717 2718 2719 2720	<i>Hirsutella myrmicarum</i> 11864	<i>Penicillium</i> sp. 3036
3283 3284	<i>Isaria fumosorosea</i> 9380	<i>Metapochonia bulbillosa</i> (?) 3035
Kansas	<i>Lecanicillium muscarium</i> 204	<i>Scopulariopsis</i> sp. 5164
<i>Beauveria bassiana</i> 792 2430 6471	<i>Metarhizium anisopliae</i> sensu lato	<i>Trichoderma lignorum</i> 5176
11174 11177 11189 11190 11191	7059	<i>Verticillium lecanii</i> 5781 5783 5786
11192 11193 11197 11198 11570	<i>Pandora dipterigena</i> 131	5789 5793 5820
<i>Entomophaga calopteni</i> 2522	<i>Pandora neoaphidis</i> 181	Michigan
<i>Metarhizium robertsii</i> 6472	<i>Pandora nouryi</i> 199	<i>Aspergillus flavus</i> 6469
<i>Metarhizium</i> sp. 10013 10014 10018	<i>Phoma</i> sp. 9920	<i>Aspergillus</i> sp. 6571
10020	<i>Pochonia chlamydosporia</i> 7128	<i>Beauveria bassiana</i> 2580 5813 7160
<i>Smittium commune</i> 9085 9243 9244	<i>Saprolegnia</i> sp. 179 180	7161 7162 7163 7165 8189 8190 8191
9245	<i>Tolyptocladium cylindrosporum</i> 7129	8192 8193 8194 8195 8260 8261 8262
<i>Smittium culisetae</i> 9016 9017 9018	Unidentified sp. 9921	8263 8271 8272 8273 8274 8275 8276
9112	<i>Zoophthora occidentalis</i> 207	8771 8772 8773 8774
<i>Smittium culicis</i> 9008	<i>Zoophthora radicans</i> 21 44 45 50 52	<i>Beauveria bassiana</i> (?) 8801 8802 8803
<i>Smittium gravimetalum</i> 9029 9036	88 141 142 143 144 145 146 163 221	8804 8805 8807 8808 8809 8810 8811
9264	223 224 225 226 227 228 229 230	8812 8813 8814 8815 8816 8817 8818
<i>Smittium megazygosporum</i> (?) 9027	231 232 233 234 235	8819
Kentucky	Maryland	<i>Beauveria</i> sp. 8110 8111 8112 8113
<i>Beauveria bassiana</i> 2270	<i>Aspergillus ochraceus</i> 2833	8116 8117 8119 8120 8121 8122 8123
<i>Beauveria brongniartii</i> 2271	<i>Basidiobolus</i> sp. 270	8124 8125 8126 8127 8128 8129 8130
<i>Isaria farinosa</i> 2269	<i>Beauveria bassiana</i> 2831 3404 3530	8132 8133 8134 8135 8136 8137 8138
<i>Lecanicillium muscarium</i> 810	8998	8139 8140 8141 8143 8144 8145 8146
<i>Pandora neoaphidis</i> 3411 3412 3459	<i>Beauveria brongniartii</i> 7376	8147 8148 8149 8150 8151 8152 8153
Unidentified sp. 3239	<i>Beauveria pseudobassiana</i> 3529	8154 8156 8158 8159 8160 8161 8164
Unidentified / Hyphomycetes 5244	<i>Conidiobolus adiaeretus</i> 451	8166 8167 8168 8169 8170 8171 8172
	<i>Candida</i> sp. 1877	

8173 8174 8175 8176 8177 8178 8180	11266 11267 11270 11271 11272	10803 10805 10807 10808 10812
8181 8182 8185 8186 8187 8188	11273 11274 11275 11276 11277	10813 10814 10815 10820 10825
<i>Conidiobolus</i> sp. 1967	11295 11299 11300 11301 11302	10833 10834 10836 10842 10843
<i>Entomophaga maimaiga</i> 6523 6524	11303 11308 11309 11310 11314	10844 10849 10851 10853 10855
6626 6627 6628 6629 6630 6652 6653	11373 11414 11415 11421 11434	10856 10858 10860 10869 10870
6654 6655 6656 6657 6663 6664 6665	11435 11436 11437 11467 11470	10871 10873 10876 10877 10878
6666 6667 6668 6724 6725 6726 6727	11547 11553 11561 11565 11576	10879 10880 10881 10921 11026
6728 6729 7101 7102 7103 7106 7107	11581 11597 11916 12013 12014	11027 11028 11029 11030 11036
7108 7109 7110 7111 7115	12015 12016 12017 12020 12021	11037 11038 11039 11040 11041
<i>Fusarium proliferatum</i> 8267	12107 12108 12125 12151 12208	11042 11043 11044 11045 11046
<i>Fusarium</i> sp. 8131 8266	12209 12210 12211	11047 11048 11075 11076 11077
<i>Hirsutella nodulosa</i> 5473	<i>Beauveria bassiana</i> sensu lato 12356	11078 11079 11080 11081 11082
<i>Isaria farinosa</i> 9944 9945	12357 12358 12359 12360 12361	11188 11584 11588 11589 11601
<i>Isaria farinosa</i> (?) 8806	12362 12363 12364 12365 12366	11874 11971 11976 11977 11978
<i>Isaria fumosorosea</i> 8142	12367 12368 12369 12370 12371	11982 11983 11984 11991 11992
<i>Lecanicillium lecanii</i> 7181 7182 8115	12372 12373 12374 12375 12376	11993 11994 11995 11997 11999
<i>Lecanicillium muscarium</i> 8114 8118	12377 12397 12398 12399 12400	12000 12001 12002 12003 12006
8157 8163 8165	12401 12402 12403 12405 12406	12022 12095 12096 12097 12098
<i>Lecanicillium muscarium</i> (?) 8162	12407 12417 12422 12434 12435	12104 12106 12109 12111 12112
8265	12436 12437 12439 12440 12441	12113 12119 12135 12136 12138
<i>Metarhizium anisopliae</i> sensu lato	12442 12443 12445 12448 12449	12139 12143 12144 12147 12148
8196 8197 8198 8199 8270 8653 8654	12450 12451 12462 12463 12464	12153 12154 12159 12161 12183
8655 8656 8657 8658 8659	12465 12467 12468 12469 12470	12184 12189 12191 12192
<i>Metarhizium robertsii</i> 1968	12471 12472 12473 12474 12475	<i>Beauveria bassiana</i> sensu lato 12943
<i>Mucor circinelloides</i> 6470	12476 12477 12478 12479 12480	12944 12945 12946 12947 12948
<i>Purpureocillium lilacinum</i> 8268 8269	12482 12484 12485 12486 12487	12949 12950 12951 12952
Unidentified / Hyphomycetes 8155	12488 12490 12491 12492 12493	<i>Beauveria pseudobassiana</i> 10616
8179 8183 8184	12494 12495 12496 12497 12498	10753 10772
<i>Zoophthora radicans</i> 2977 2978 2979	12499 12500 12501 12502 12503	<i>Entomophthora schizophorae</i> 5348
2980	12504 12505 12506 12507 12508	<i>Evlachovaea</i> sp. 12121
Minnesota	12509 12510 12512 12514 12515	<i>Isaria</i> sp. 12190
<i>Beauveria pseudobassiana</i> 8045 8046	12517 12518 12519 12520 12521	<i>Metarhizium</i> sp. 9637 9658 9659 9660
<i>Conidiobolus thromboides</i> 11664	12522 12525 12526 12527 12535	9662 9663 9664 9665 9666 9667
<i>Pandora neoaphidis</i> 11663	12572 12920 12921 12922 12923	9668 9669 9670 9671 9672 9673 9674
<i>Smittium culisetae</i> 9096	12924 12925 12926 12927 12928	9675 9676 9677 9678 9679 9680 9681
<i>Smittium simulii</i> 9043 9118 9134	12929 12930 12931 12932 12933	9682 9683 9684 9685 9687 9689 9690
Mississippi	12934 12935 12936 12937 12938	9691 9692 9694 9695 9697 9698 9700
<i>Beauveria bassiana</i> 8317 8889	12939 12940 12942 12953 12954	9706 9708 9709 9710 9711 9712 9713
<i>Evlachovaea</i> sp. 7372	12955 12956	9714 9715 9716 9717 9718 9719 9720
<i>Lecanicillium muscarium</i> 7375	<i>Beauveria pseudobassiana</i> 10648	9721 9722 9723 9724 9725 9733 9734
<i>Metarhizium</i> sp. 10324	10701 10703 11067 11068 11074	9735 9736 9737 9738 9739 9740 9745
<i>Nomuraea atypicola</i> 7130	12240 12241 12242 12243 12244	9746 9747 9750 9776 9777 9778 9780
<i>Metarhizium rileyi</i> 135	12245 12246 12247 12248	9781 9782 9783 9784 9785 9786 9787
Unidentified / Hyphomycetes 5245	<i>Beauveria</i> sp. 32	9788 9789 9790 9791 9792 9793 9794
5246 5247 5248	<i>Conidiobolus obscurus</i> 3089 3090 3092	9795 9796 9797 9798 9799 9800 9801
Missouri	<i>Conidiobolus thromboides</i> 22 2914	9802 9803 9804 9805 9806 9807 9808
<i>Beauveria</i> sp. 12456 12457 12458	<i>Entomophaga calopteni</i> 408	9809 9810 9811 9812 9813 9814 9815
12459	<i>Isaria</i> sp. 12409 12941	9816 9818 9819 9820 9821 9822 9823
<i>Capniomyces stellatus</i> 9258	<i>Lecanicillium aphanocladii</i> 12481	9824 9825 9826 9839 9849 9850 9851
<i>Metarhizium</i> sp. 12452 12453 12454	12483	9852 9853 9854 9855 9856 9857 9858
12455	<i>Metarhizium anisopliae</i> sensu lato	9859 9860 9861 9862 9863 9864 9865
<i>Metarhizium rileyi</i> 762	6930 12466	9866 9867 9868 9869 9870 9871 9872
<i>Smittium</i> sp. 9121 9145	<i>Metarhizium</i> sp. 9748 9754 9880 9981	9873 9874 9875 9876 9877 9878 9986
Montana	9982 9983 9999 10050 10051 10054	10001 10002 10003 10005 10006
<i>Beauveria amorpha</i> 10650	10103 12511 12516 12720 12749	10007 10008 10010 10011 10328
<i>Batkoa apiculata</i> 3088 3091	12758	10332 10333 10337 10338 10339
<i>Beauveria bassiana</i> 6929 6931 6932	<i>Sorosporella</i> sp. 377	12663 12664 12665 12666 12667
6933 6934 6935 6936 6937 6938	Nebraska	12668 12669 12670 12671 12672
6939 6940 6941 6942 6943 6944 6948	<i>Beauveria bassiana</i> 3111 3112 10483	12673 12675 12676 12677 12678
6949 6950 6951 6952 6953 6954 6955	10564 10565 10567 10573 10574	12679 12680 12681 12683 12684
6956 6957 10649 10655 10656 10700	10578 10583 10599 10603 10605	12685 12686 12691 12692 12693
10704 11025 11031 11032 11033	10606 10607 10629 10631 10639	12694 12695 12696 12702 12703
11034 11035 11056 11057 11058	10741 10746 10748 10749 10751	12704 12705 12706 12707 12708
11059 11060 11061 11062 11063	10752 10754 10755 10756 10757	12711 12712 12713 12714 12715
11064 11065 11066 11069 11070	10759 10760 10766 10767 10771	12716 12717 12718 12719 12721
11071 11072 11073 11264 11265	10773 10774 10800 10801 10802	12722 12723 12724 12725 12726

12727 12728 12729 12730 12731	<i>Myriangium</i> sp. 9915 9916 9917 9918	<i>Conidiobolus iuxtagenitus</i> 7944
12732 12733 12734 12735 12736	9919	<i>Cladosporium</i> sp. 4795
12737 12738 12739 12740 12741	<i>Phoma</i> sp. 9923	<i>Conidiobolus megalotocus</i> 8428
12743 12744 12745 12746 12747	<i>Rhinochadiella</i> (?) sp. 9365 9922	<i>Conidiobolus obscurus</i> 3132 3133 3134
12748 12750 12751 12752 12753	<i>Tolyposcladium inflatum</i> 3398	3135 3137 3138 3139 3141
12754 12755 12756 12757 12760	<i>Tripaspermum</i> sp. 9363	<i>Colletotrichum fioriniae</i> 10219 10220
12761 12764 12765 12766 12768	Unidentified / Hyphomycetes 9364	10221 10222 10223
12769 12770 12771 12772 12773	9366 10307	<i>Cordyceps militaris</i> 4081 4082 4083
12774 12775 12776 12777 12778	New Jersey	4084 4085 4086 4087 4088 4089 4838
12780 12781 12782 12783 12784	<i>Fusarium</i> sp. 3030 3031 3032 10311	4839 4840 4841 4842 5002 5003 5004
12785 12786 12787 12788 12789	10312 10313 10388 10389 10390	5005 5006 5007 5008 5009 5010 5011
12790 12791 12792 13032 13033	10391 11655	5012 5013 5014 5015 5016 5017 5018
13034 13035 13036 13037 13038	<i>Lecanicillium muscarium</i> 5795	5019 5020 5021 5022 5023 5024 5025
13039 13040 13041 13042 13043	<i>Scopulariopsis</i> sp. 10309 10310	5026 5027 5028 5029 5030 5031 5032
13044 13045	Unidentified / Hyphomycetes 10386	5033 5034 5035 5036 5037 5038 5039
<i>Myriodontium keratinophilum</i> 11998	10387 10392	5040 5041 5042 5043 5044 5045 5046
<i>Smittium culisetae</i> 9246	New Mexico	5047 5048 5049 5050 5051 5052 5053
Nevada	<i>Aspergillus</i> sp. 12051	5054 5055 5056 5057 5058 5059 5060
<i>Ascosphaera aggregata</i> 689	<i>Beauveria bassiana</i> 8601 11400 11492	5061 5062
<i>Beauveria bassiana</i> 11149 11151	11970 11979 11990 12124	<i>Elaphocordyceps ophioglossoides</i> 4826
11152 11153 11194 11195 11196	<i>Metarhizium</i> sp. 12674 12742	4827 4828 4829 4830 4831 4832 4833
11208 11209 11210 11211 11227	<i>Penicillium</i> sp. 12049	4834 4835 4836 4837
11228 11229 11258 11316 11327	Unidentified / Hyphomycetes 12027	<i>Ophiocordyceps variabilis</i> 4080 5365
11329 11331 11332 11333 11334	12028	5366 5367 5414 5415 5416 5417 5418
11337 11343 11347 11348 11349	New York	5419 5420 5421 5422 5423 5424 5425
11350 11351 11471 11476 11532	<i>Arthrotrichum oligospora</i> var. <i>oligospora</i>	5426 5427 5428 5429
11546 11551 11555 11558 11559	3369 3370	<i>Conidiobolus</i> sp. 7942 8429 11763
11572 11600 11606 11893 11894	<i>Drechlerella dactyloides</i> 3371 3372	<i>Conidiobolus stromoideus</i> 8430
11895 11896 11897 11899 11900	3373 4955	<i>Conidiobolus thromboides</i> 3129 7209
11964 11975 11980 11981 11996	<i>Arthrotrichum oligospora</i> 4967 5411	7210 7211
12009 12011 12018 12019 12105	<i>Aspergillus</i> sp. 6604	<i>Drechmeria coniospora</i> 3354
12123 12187 12188	<i>Basidiobolus haptosporus</i> 8307 8309	<i>Entomophaga aulicae</i> 3016 3039 3212
<i>Lecanicillium lecanii</i> (?) 11972	<i>Basidiobolus ranarum</i> 8308	3602
<i>Metarhizium robertsii</i> 10000	<i>Batkoa apiculata</i> 3130 3136 3140	<i>Entomophaga conglomerata</i> 2273
<i>Metarhizium</i> sp. 9980 10009 10012	<i>Batkoa major</i> 2936 3102 3103	<i>Entomophaga macleodii</i> 382 499
10015 10016 10019 10024 10025	<i>Batkoa</i> sp. 3131 7370	<i>Entomophaga maimaiga</i> 3052 3053
10026 10063 10064 10065 10072	<i>Beauveria bassiana</i> 350 534 535 536	3828 3829 3830 3831 3832 3833 3834
10073 10076 10317 12655 12661	1038 1039 1081 1619 1620 1621	3835 4508 4509 4510 4549 4550 4551
12682	1622 1623 1624 1704 1705 1706 1707	5391 5392 5393 5394 5395 5396 5397
New Hampshire	1708 1709 1710 1711 1712 1713 1721	5398 5399 5400 5401 6625
<i>Acremonium bactrocephalum</i> 10169	1722 1723 1749 1750 1775 1776 1777	<i>Engyodontium album</i> 6002
<i>Acremonium</i> (?) sp. 9368	1778 1779 1780 1781 2030 2031 2032	<i>Engyodontium aranearum</i> 6441
<i>Beauveria bassiana</i> 10139	2033 2034 2953 3460 3667 4462 4463	<i>Entomophthora muscae</i> 454 556 557
<i>Conidiobolus</i> sp. 11650	4464 4523 4524 4525 4526 4527 4528	651 803 826 2014 3074 7371
<i>Doratomyces</i> (?) sp. 9367	4529 4530 4531 4532 4533 4534 4535	<i>Erynia aquatica</i> 750 764
<i>Entomophaga maimaiga</i> 2780	4536 4537 4538 4539 4540 4543 4688	<i>Erynia conica</i> 2274 2275
<i>Eurotiomycetes, genus undetermined</i>	4691 4692 4693 4694 4695 4696 4697	<i>Erynia rhizospora</i> 801 2276
9360 9361	4973 4974 4975 4976 4977 4978 4979	<i>Erynia sepulchralis</i> 12250
<i>Evolachovaea</i> sp. 11788	5339 5340 5341 5342 5343 5344 5345	<i>Erynia</i> sp. 5352
<i>Exophiala</i> sp. 9362	5346 5347 5533 5534 5535 5536 5537	<i>Fusarium polyphialidicum</i> 3692 3693
<i>Fusarium</i> sp. 11790	5808 6150 6151 6152 6153 6216 6217	5351
<i>Hirsutella homalodisciae</i> (?) 10133	6391 6578 6986 6987 6988 7158 7159	<i>Furia gastropachae</i> 5541 5542 5543
<i>Hirsutella rhossiliensis</i> 11820	7179 8237 8238 8239 8240 8241 8242	5544 5547
<i>Isaria farinosa</i> 11823	8243 8244 8245 8246 8247 8412 8413	<i>Furia pieris</i> 781
<i>Lecanicillium evansii</i> (?) 11785	9551 9552 9553 9554 9555 9556 9557	<i>Fusarium commune</i> 4825
<i>Lecanicillium fusisporum</i> (?) 10184	11848 12460	<i>Fusarium oxysporum</i> 4963 4964
<i>Lecanicillium muscarium</i> 10178 11803	<i>Beauveria brongniartii</i> 6213 6214	<i>Fusarium</i> sp. 4956 4962
11818	6215	<i>Gibellula</i> sp. 8927
<i>Lecanicillium psalliotae</i> 10177	<i>Beauveria bassiana</i> sensu stricto	<i>Gliocladium roseum</i> 3001
<i>Lecanicillium</i> sp. 9924 9925 9926	12339 12340 12341 12342 12343	<i>Haptocillium balanoides</i> 3173
10206 10207 10302 10303 10304	12344 12345 12346	<i>Harposporium anguillulae</i> 4954 5407
10305 10306	<i>Batrachochytrium dendrobatidis</i> 7191	5408 5409
<i>Mariannaea</i> sp. 3258 10185 10204	<i>Conidiobolus adiaeretus</i> 8427	<i>Harposporium botuliforme</i> 10275
10205	<i>Calcarisporium arbuscula</i> 5999	<i>Harposporium cocleatum</i> 9382
<i>Metarhiziosis microspora</i> 11851	<i>Conidiobolus coronatus</i> 3087 3099	<i>Harposporium spirosporium</i> 8821
	3109 7922	10271

<i>Hirsutella brownorum</i> 3509	<i>Rotiferophthora angustispora</i> 8991	12197 12198 12199 12200 12201
<i>Hirsutella rhossiliensis</i> 3207 3765	9385 9386	12202 12203 12204 12205 12206
<i>Hymenostilbe verrucosa</i> 2002	<i>Rotiferophthora barronii</i> 10267	12207 12212 12213 12214 12215
<i>Isaria farinosa</i> 648 697 2564 3017	<i>Rotiferophthora brevipes</i> 8994	12216 12217 12218 12219 12220
3152 3461 3595 3596 3597 3598 3599	<i>Rotiferophthora cylindrospora</i> 8992	12221 12222 12223 12224 12225
4090 5548 8411 10165 11835	9547 9548 10273	12226 12227 12228 12229 12230
<i>Isaria fumosorosea</i> 4698 4699 4700	<i>Rotiferophthora denticulospora</i> 9549	12231 12232 12233 12234 12235
4701 4702 4703 4704 4705 4706 4707	<i>Rotiferophthora globospora</i> 8995	12236 12237 12238 12239
4708 4709 4710 4711	<i>Rotiferophthora guttulaspora</i> 10269	<i>Beauveria bassiana</i> sensu lato 12252
<i>Isaria</i> sp. 10162	<i>Rotiferophthora intermedia</i> 10270	12253 12254 12255 12256 12257
<i>Isaria tenuipes</i> 5134 5135	<i>Rotiferophthora ovispora</i> 10274	12258 12259 12260 12261 12262
<i>Lecanicillium</i> nr. <i>araneorum</i> 11811	<i>Rotiferophthora</i> sp. 9542 9543 10263	12263 12264 12265 12266 12267
<i>Lecanicillium evansii</i> (?) 11796	10264 10265 10266	12268 12269 12270 12271 12272
<i>Lecanicillium fusisporum</i> 11787 11808	<i>Smittium culicis</i> 9011	12273 12274 12275 12276 12277
<i>Lecanicillium longisporum</i> 7923	Sterile mycelium 3735	12278 12279 12280 12281 12282
<i>Lecanicillium muscarium</i> 900 3600	<i>Sypastospora parasitica</i> 5375	12283 12284 12285 12286 12287
3601 8714 10173	<i>Tolyptocladium inflatum</i> 3790 4877	12288 12289 12290 12291 12292
<i>Lecanicillium psalliotae</i> 4960 4965	4878 4879 4880 4881 4882 4883 4884	12293 12294 12295 12296 12297
10170 10179	4885 4886 4887 4888 4889 4890 4891	12298 12299 12300 12301 12302
<i>Lecanicillium</i> sp. 10154 10217 10218	4892 4893 4894 4895 4896 4897 4898	12303 12304 12305 12306 12307
11798	<i>Triacutus subcuticularis</i> 10260	12308 12309 12310 12311 12312
<i>Lecanicillium wallacei</i> (?) 10172	Unidentified sp. 1922 3128	12313 12314 12315 12316 12317
<i>Leptolegnia chapmanii</i> 6718	Unidentified Entomophthorales sp.	12318 12319 12320 12321 12322
<i>Mariannaea elegans</i> 5338	7227 7228 7229 7230	12323 12324 12325 12326 12327
<i>Mariannaea</i> sp. 3257 10150 10151	Unidentified / Hyphomycetes 2999	12328 12329 12330 12331 12332
<i>Massospora cicadina</i> 374	4689 4690	12333 12334 12335 12336 12337
<i>Metarhizium anisopliae</i> sensu lato	Unidentified / Zygomycetes 7943	12378 12379 12380 12381 12382
1280 2548 3330 3331 3332 3333 3334	<i>Lecanicillium flavidum</i> 4519	12383 12384 12385 12386 12387
3335 3336 3337 3338 3339 3340 4522	<i>Zoophthora occidentalis</i> 2841 3027	12388 12389 12390 12391 12392
4819 4820 4821 4822 4823 4824 6167	3028 3029 3071 3073	12393 12394 12395 12411 12415
8248 8249 8323 8324 8325 8326 8327	<i>Zoophthora phytonomi</i> 202	12416 12418 12419 12420 12421
9372 9373 9374 11850	<i>Zoophthora radicans</i> 237 238 239 800	12423 12425 12426 12427 12428
<i>Monacrosporium cionopagum</i> 4966	3104 3105 3376 3377 3390 4520	12430 12431 12432 12444 12446
<i>Monacrosporium ellipsosporum</i> 4957	North Carolina	12447 12528 12529 12530 12533
4959	<i>Candida</i> cf. <i>pseudoglebosa</i> 7146	12534
<i>Metarhiziopsis microspora</i> 8986 8987	<i>Conidiobolus brefeldianus</i> 452	<i>Fusarium</i> sp. 7382
8988 11842	<i>Conidiobolus coronatus</i> 8023	<i>Isaria</i> sp. 12433
<i>Metarhizium robertsii</i> 1298 1878 2547	<i>Conidiobolus</i> sp. 3409	<i>Metarhizium</i> sp. 9618 9620 9621 9622
3108 3211 4123 8321 8322	<i>Culicinomyces clavisporus</i> 372 582	9623 9624 9625 9626 9627 9628
<i>Myriangiium</i> sp. 11854 11855 11857	583 584 585 706	9630 9631 9632 9633 9634 9635 9638
<i>Myriangiium duriacii</i> 8924 8925	<i>Hirsutella thompsonii</i> var. <i>vinacea</i>	9639 9640 9642 9644 9645 9646 9647
<i>Neozygites floridana</i> (?) 5201 5202	254	9648 9649 9650 9656 9657 9688 9701
5376	<i>Isaria farinosa</i> 8770	9702 9705 9707 9730 9760 9761 9817
<i>Metarhizium carneum</i> 11836	<i>Lagenidium giganteum</i> 373 748	9828 9829 9831 9832 9833 9834 9838
<i>Purpureocillium lilacinum</i> 9371	<i>Metarhizium anisopliae</i> sensu lato	9844 9845 10325 10326 10327 10329
<i>Pandora delphacis</i> 3062 3072 3093	8769	10330 10331 10335 10336 10340
3094 3095 3096 3106 3107	<i>Metarhizium robertsii</i> 23	10341 10342 10344 10345
<i>Pandora dipterigena</i> 1887 1921 1923	<i>Neozygites</i> sp. 662	<i>Myriodontium keratinophilum</i> 10547
<i>Pandora neoaphidis</i> 1570 2583 2584	<i>Scopulariopsis brevicaulis</i> 9943	<i>Syngliocladium</i> sp. 5217
2585 2587 2588 2589 2591 2592 2593	<i>Septobasidium burtii</i> 7097 7098	<i>Syngliocladium tetanopsis</i> 4972 5497
2594 2754 2755 2756 2757 2758 2760	<i>Smittium culisetae</i> 7100	5577
2761 2762 2763 2766 2767 2768 2769	Unidentified sp. 3739	<i>Sypastospora parasitica</i> 12396
2773 2781 2782 2783 2784 2837 2838	North Dakota	NY
2839 2840 2842 2844 2845 2846 2847	<i>Beauveria bassiana</i> 5466 5467 6945	<i>Metarhizium anisopliae</i> sensu lato
2848 2851 2852 2853 2854 2855 2856	6946 6947 10479 10482 10484 10485	3827
2865 2866 2867 2868 2870 2872 2873	10486 10487 10488 10489 10496	<i>Metarhizium brunneum</i> 3826
7212 7213 7214 7226 8607	10497 10498 10500 10503 10504	Ohio
<i>Penicillium</i> sp. 6603	10508 10511 10512 10513 10514	<i>Beauveria bassiana</i> 296 306 307
<i>Penicillium vulpinum</i> 7057	10517 10519 10520 10521 10523	<i>Engyodontium araneorum</i> 2929 2935
<i>Metapochonia bulbillosa</i> 11800	10524 10525 10527 10528 10529	Oklahoma
<i>Pochonia chlamydosporia</i> var.	10530 10536 10537 10538 10542	<i>Beauveria bassiana</i> 10568 10569
<i>chlamydosporia</i> 11801 11810	10543 10546 10549 10561 10586	10579 10581 10584 10585 10587
<i>Pochonia</i> sp. 10261	10600 10601 11502 11566 11567	10612 10780 11599 11607 11608
<i>Polycephalomyces tomentosus</i> 5353	11591 11592 11593 11594 11595	<i>Beauveria pseudobassiana</i> 2455
<i>Pseudomeria mucosa</i> 8993 9383 9384	11596 11598 12131 12133 12142	<i>Beauveria</i> sp. 12793 12794 12795
10272	12152 12160 12162 12185 12196	

<i>Metarhizium anisopliae</i> sensu lato 12798	<i>Fusarium polyphialidicum</i> 3916	South Dakota
<i>Metarhizium robertsii</i> 12797 12799	<i>Fusarium</i> sp. 11948 11949 11950	<i>Beauveria bassiana</i> 2579 10490 10491
<i>Metarhizium</i> sp. 12796	<i>Hirsutella rhossiliensis</i> 2006 2007	10493 10494 10495 10501 10502
<i>Smittium acutum</i> 9092	2008 3744 3745 3746	10518 10522 10526 10532 10548
<i>Smittium caudatum</i> 9000 9261	<i>Isaria farinosa</i> 20 3221 3491 3499	10609 10638 10640 10654 10680
<i>Smittium stenosporum</i> 9023	3500 3506 3523	10702 10787 10791 10792 10793
Oregon	<i>Lagenidium caudatum</i> 2003	10794 10795 10797 10798 10804
<i>Acremonium berkeleyanum</i> 2067	<i>Lecanicillium</i> sp. 3253 3254 3255	10809 10810 10811 10821 10822
<i>Acrodontium crateriforme</i> 2070	<i>Leptolegnia</i> sp. 2004	10826 10831 10835 10837 10838
<i>Aphanocladium album</i> 5998	<i>Mariannaea</i> sp. 3252	11292 11293 11294 11296 11297
<i>Ascosphaera aggregata</i> 690	Puerto Rico	11298 11313 11317 11328 11335
<i>Ascosphaera apis</i> 691 692 12634	<i>Acremonium</i> sp. 7402	11336 11338 11339 11340 11341
<i>Ascosphaera atra</i> 693	<i>Aschersonia aleyrodinis</i> 7393 7394	11342 11364 11376 11379 11396
<i>Ascosphaera prolipepa</i> 6363	<i>Aschersonia andropogonis</i> 7391 7398	11399 11401 11408 11449 11450
<i>Aspergillus</i> sp. 6364	<i>Aschersonia rhombispora</i> 7390 7395	11457 11459 11461 11462 11463
<i>Beauveria bassiana</i> 201 2054 5997	7399 7400	11480 11485 11487 11488 11512
7356 7357 7358 7359 7362 7363	<i>Aschersonia</i> sp. 5215 7071 7073 7077	11521 11545 11579 11986 11987
7364 7365 10576 10611 10625 10632	7082 7083 7084 7085 7087	12130 12132
11289 11366 11367 11383 11385	<i>Aschersonia turbinata</i> 7080	<i>Entomophaga calopteni</i> 498
11406 11407 11445 11446 11533	<i>Balansia</i> sp. 7089	<i>Metarhizium</i> sp. 9629 9696 9741 9752
11534 11583 11967 12145 12156	<i>Beauveria</i> sp. 7079	9753 9758 9759 9836 9840 9841 9846
<i>Beauveria brongniartii</i> 10277 10278	<i>Conidiobolus coronatus</i> 1147	9847 9848 10058 10059 10060 10068
10279 10280	<i>Cladosporium cladosporioides</i> 3375	10079 10085 10101 10102 10108
<i>Beauveria pseudobassiana</i> 10575	<i>Clavicipitaceae</i> anamorph 7618 7619	10109 10110 10315 10323 10343
10594 10598 10618 10623 10628	7687 7688 7689 7690 7691 7692 7693	12762
<i>Beauveria</i> sp. 11387	7694 7695	<i>Pochonia</i> sp. 12195
<i>Elaphocordyceps capitata</i> 8009	<i>Cordyceps militaris</i> 5804	Tennessee
<i>Entomophaga macleodii</i> 4948 4949	<i>Fusarium coccophilum</i> 7409	<i>Amoebidium appalachense</i> 9181 9255
4950 4951 4952 4953	<i>Gibellula</i> sp. 7387	9256
<i>Fusarium avenaceum</i> 2060	<i>Hypocrella andropogonis</i> 7396 7397	<i>Beauveria amorpha</i> 6376 6577
<i>Fusarium merismoides</i> 2059	<i>Hypocrella phyllogena</i> 7401	<i>Batkoa major</i> 12251
<i>Humicola</i> sp. 2069	7369	<i>Barbatospora ambicaudata</i> 9020
<i>Isaria farinosa</i> 2057 2937 5996	<i>Lecanicillium lecanii</i> 7385 7408	<i>Conidiobolus adiaeretus</i> 8320
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7494	<i>Paecilomyces</i> sp. 7075 7388	<i>Isaria catenianulata</i> 8310
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<i>Mortierella histoplasmatoides</i> 2063	<i>Torrubiella</i> sp. 7088	<i>Smittium culisetae</i> 9039 9058 9069
<i>Mortierella hyalina</i> 2061	Unidentified sp. 7070	9071 9113
<i>Metarhizium</i> sp. 4998 5000 5076 5077	Unidentified / Hyphomycetes 7074	<i>Smittium culicis</i> 9010
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<i>Paecilomyces</i> sp. 8004	<i>Fusarium</i> sp. 12072 12073 12074	Unidentified / Hyphomycetes 5242
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10818 10819 10823 10824 10827	9398 9399 9400 9401 9402 9403 9404	9283 9284 9285 9286 9287 9288 9303
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10861 10863 10865 10866 10867	9419 9420 9421 9422 9423 9424 9425	9318 9319 9320 9321 9322 9323 9324
10868 10872 10874 10885 10886	9426 9427 9428 9429 9430 9431 9432	9325 9326 9327 9328 9329 9330 9331
10887 10888 10889 10890 10891	9433 9434 9435 9436 9437 9438 9927	9332 9333 9939 10131 10135 10136
10892 10893 10894 10895 10896	10138 10140 10141 10142 10143	10137 11840
10897 10898 10899 10900 10901	10144 10145 10147 10148 10149	<i>Mixed Culture</i> sp. 5188
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E1-22 *Torrubiella homopterorum* 2045
E1-7 & E1-5 *Fusarium concentricum*
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19.1 (EMS mutant) *Metarhizium aniso-*
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42.2a9 (EMS mutant) *Metarhizium*
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5.173 (EMS mutant) *Metarhizium aniso-*
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5.281 (mutant) *Metarhizium anisopliae*
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5.287 (EMS mutant) *Metarhizium aniso-*
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5.304 (EMS mutant of 5A) *Metarhizium*
anisopliae sensu lato 1022
5.378 (EMS mutant) *Metarhizium aniso-*
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5A.10 (EMS mutant of 5A) *Metarhizium*
anisopliae sensu lato 1086

5A.11 (EMS mutant of 5A) *Metarhizium*
anisopliae sensu lato 1083
5A.12 (EMS mutant of 5A) *Metarhizium*
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5A.7 (EMS mutant of 5A) *Metarhizium*
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D95A (diploid, recombinant) *Metarhi-*
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D95A Bes 140 (recombinant) *Metarhi-*
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DIII 3A (mutant) *Metarhizium aniso-*
pliae sensu lato 968
DIII 3B (mutant) *Metarhizium aniso-*
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DIII 3B Bes 48 (recombinant) *Metarhi-*
zium anisopliae sensu lato 907
JIXIV (mutant) *Metarhizium aniso-*
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JIVD (mutant) *Metarhizium anisopliae*
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JX1.23A (mutant) *Metarhizium aniso-*
pliae sensu lato 1024
JX1.23C (mutant) *Metarhizium aniso-*
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JXIV.245 (mutant) *Metarhizium aniso-*
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- Altinok, Alper**
147 *Fusarium* sp. 12540
316 *Fusarium* sp. 12541
329 *Fusarium* sp. 12542
60A *Beauveria* sp. 12537
65 *Fusarium* sp. 12538
71 *Metarhizium* sp. 12539
- Altre, Jennifer**
BB5B#1 *Beauveria bassiana* 4540
BB5B#4 *Beauveria bassiana* 4543
- Alves, Sergio Batista**
196 *Beauveria bassiana* 1484
197 *Beauveria bassiana* 1832
210 *Beauveria brongniartii* 1830
246 *Beauveria bassiana* 1479
252 *Beauveria bassiana* 1480
256 *Beauveria bassiana* 1478
258 *Beauveria brongniartii* 1829
267 *Beauveria bassiana* 1833
268 *Beauveria bassiana* 1834
290 *Beauveria bassiana* 2559
290 *Beauveria bassiana* 2638
292 *Beauveria bassiana* 2639
295 *Beauveria* sp. 1835
309 *Beauveria bassiana* 1836
447 *Beauveria bassiana* 3734
507 *Metarhizium robertsii* 2561
587 Unidentified sp. 2640
61 *Beauveria bassiana* 1483
621 *Beauveria amorpha* 2641
63 *Beauveria bassiana* 1831
695 *Beauveria bassiana* 2642
715 *Evlachovaea* sp. 2613
716 *Evlachovaea* sp. 2614
717 *Evlachovaea* sp. 2615
718 *Paecilomyces* sp. 2616
719 *Paecilomyces* sp. 2617
720 *Paecilomyces* sp. 2618
721 *Beauveria bassiana* 2619
726 *Beauveria bassiana* 2621
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ESALQ 1224 *Tolyposcladium cylindrosporum* 6634
ESALQ 1225 *Evlachovaea* sp. 6635
ESALQ 1226 *Simplicillium lanosoniveum* 6636
ESALQ 1227 *Simplicillium lanosoniveum* 6637
- ESALQ 1228 *Evlachovaea* sp. 6638
ESALQ 1229 *Evlachovaea* sp. 6639
ESALQ 1230 *Evlachovaea* sp. 6640
ESALQ 1235 *Evlachovaea* sp. 6641
ESALQ 1237 *Simplicillium lanosoniveum* 6642
SPL-54A *Metarhizium robertsii* 2560
- Anderson, Denis L.**
101 *Ascospaera apis* 5142
121 *Ascospaera subcuticulata* 5145
130 *Ascospaera solina* 5146
140 *Ascospaera arienoides* 5143
196 *Ascospaera flava* 5144
198 *Ascospaera atra* 5147
199 *Ascospaera duoformis* 5141
199.D14 *Ascospaera duoformis* 5152
199.D9 *Ascospaera duoformis* 5151
200 *Ascospaera duoformis* 5140
- Andrade, C.F.**
IF#1 *Metarhizium anisopliae* sensu lato 3827
IF#2 *Metarhizium brunneum* 3826
- Aoki, Joji**
Ash. 1 *Aschersonia aleyrodinis* 992
Asp. 11 *Aspergillus flavus* 1003
Asp. 26 *Aspergillus flavus* 1010
Beau. 2 *Beauveria* sp. 1040
Beau. 22 *Beauveria brongniartii* 985
Beau. 3 *Beauveria bassiana* 1007
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Cordy. 1 *Isaria farinosa* 1042
Ent. 11 *Conidiobolus coronatus* 997
Ent. 14 *Entomophaga aulicae* 998
Ent. 15 *Conidiobolus thromboides* 1006
Ent. 18 *Erynia* sp. 983
Ent. 25 *Pandora neoaphidis* 993
Ent. 26 *Zoophthora radicans* 1050
Ent. 30 *Pandora blunckii* 1000
Ent. 34 *Erynia* sp. 1266
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Ent. 36 *Pandora delphacis* 1101
Ent. 37 *Erynia* sp. 1267
Ent. 38 Unidentified sp. 1013
Ent. 39 Unidentified sp. 1051
Ent. 42 *Erynia* sp. 1052
Ent. 45 *Conidiobolus* sp. 999
Ent. 5 *Zoophthora radicans* 1263
Ent. 6 *Pandora delphacis* 1264
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Ent. 9 *Conidiobolus obscurus* 1131
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Har. 2 *Verticillium lecanii* 991
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Met. 6 *Metarhizium robertsii* 1046
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- Paec. 2 *Isaria fumosorosea* 1005
Paec. 3 *Isaria fumosorosea* 989
Paec. 5 *Purpureocillium lilacinum* 986
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WFP-362 *Isaria fumosorosea* 5298
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- Aronstein, Katherine**
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JBR *Ascospaera apis* 13025
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JBR mating type 2 *Ascospaera apis* 13027
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LBR mating type 1 *Ascospaera apis* 13029
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?1066 *Pandora dipterigena* 397
?1096 *Hirsutella citrififormis* 1256
?1256 *Hirsutella* sp. 1096
?1294 *Metarhizium minus* 1295
?1295 *Metarhizium minus* 1294
?1377 *Zoophthora anglica* 396
?1940 *Lagenidium giganteum* 2529
?198 *Entomophaga aulicae* 998
?2529 *Cryptocola clavulifera* 1940
?2696 *Zoophthora radicans* 3161
?2702 *Zoophthora radicans* 3117
?2708 *Zoophthora radicans* 3163
?3117 *Zoophthora radicans* 2702
?3161 *Zoophthora radicans* 2696
?3163 *Zoophthora radicans* 2708
?396 *Metarhizium anisopliae* sensu lato 1377
?397 *Metarhizium brunneum* 1066
?426 *Zoophthora lanceolata* 468
?468 *Zoophthora lanceolata* 426
?998 *Entomophaga aulicae* 198
101 *Conidiobolus thromboides* 1733
102 *Conidiobolus thromboides* 363
102 *Conidiobolus thromboides* 1734
103 *Zoophthora radicans* 359
103 *Zoophthora radicans* 370
103 *Zoophthora radicans* 823
1035 *Hirsutella citrififormis* 1446
1045 *Metarhizium anisopliae* sensu lato 1299
1103 *Beauveria bassiana* 1558
1140 *Entomophaga aulicae* 1656
1142 (lost) *Entomophaga aulicae* 1655
115 *Conidiobolus thromboides* 15
115 *Conidiobolus thromboides* 208
115 *Conidiobolus thromboides* 3360

- 117 (lost) *Conidiobolus thromboides* 42
 1184 *Metarhizium flavoviride* 2024
 1299 *Metarhizium anisopliae* sensu stricto 1045
 133 *Conidiobolus obscurus* 355
 1331 *Fusarium lateritium* 1416
 1336 *Zoophthora radicans* 1428
 1356 Unidentified sp. 1420
 1416 *Fusarium lateritium* 1331
 1420 Unidentified sp. 1356
 1428 *Zoophthora radicans* 1336
 1446 *Hirsutella citriformis* 1035
 1451 (deaccessioned) *Beauveria bassiana* 1971
 1452 (deaccessioned) *Metarhizium anisopliae* sensu lato 1989
 1481 (lost) *Beauveria brongniartii* 1829
 1482 (lost) *Beauveria brongniartii* 1830
 15 *Conidiobolus thromboides* 115
 15 *Conidiobolus thromboides* 208
 15 *Conidiobolus thromboides* 3361
 1544 *Zoophthora radicans* 1595
 1555 *Beauveria bassiana* 3906
 1557 (deaccessioned) *Hirsutella versicolor* 1034
 1558 *Beauveria bassiana* 1103
 1595 *Zoophthora radicans* 1544
 1656 *Entomophaga aulicae* 1140
 1660 *Batkoa apiculata* 927
 1661 *Batkoa apiculata* 919
 1667 (deaccessioned) Unidentified sp. 1634
 1733 *Conidiobolus thromboides* 101
 1734 *Conidiobolus thromboides* 102
 1734 *Conidiobolus thromboides* 363
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 193 (lost) *Conidiobolus osmodes* 447
 2 *Conidiobolus thromboides* 3364
 2012 *Hirsutella thompsonii* 2464
 2013 *Metarhizium rileyi* 2466
 2024 *Metarhizium flavoviride* 1184
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 208 *Conidiobolus thromboides* 115
 212 (deaccessioned) *Eryniopsis caroliniana* 642
 213 (deaccessioned) *Eryniopsis caroliniana* 640
 2153 *Metarhizium anisopliae* sensu lato 3822
 2198 *Isaria fumosorosea* 4699
 2210 Unidentified / Hyphomycetes 2225
 2225 *Metarhizium brunneum* 2210
 23 *Metarhizium anisopliae* sensu lato 907
 23 *Metarhizium anisopliae* sensu lato 908
 23 *Metarhizium anisopliae* sensu lato 909
 23 *Metarhizium anisopliae* sensu lato 910
 23 *Metarhizium anisopliae* sensu lato 911
 23 *Metarhizium anisopliae* sensu lato 912
 23 *Metarhizium anisopliae* sensu lato 913
 23 *Metarhizium anisopliae* sensu lato 921
 23 *Metarhizium anisopliae* sensu lato 922
 23 *Metarhizium anisopliae* sensu lato 960
 23 *Metarhizium anisopliae* sensu lato 965
 23 *Metarhizium anisopliae* sensu lato 966
 23 *Metarhizium anisopliae* sensu lato 967
 23 *Metarhizium anisopliae* sensu lato 968
 23 *Metarhizium anisopliae* sensu lato 1022
 23 *Metarhizium anisopliae* sensu lato 1023
 23 *Metarhizium anisopliae* sensu lato 1024
 23 *Metarhizium anisopliae* sensu lato 1025
 23 *Metarhizium anisopliae* sensu lato 1083
 23 *Metarhizium anisopliae* sensu lato 1084
 23 *Metarhizium anisopliae* sensu lato 1085
 23 *Metarhizium anisopliae* sensu lato 1086
 23 *Metarhizium anisopliae* sensu lato 1087
 23 *Metarhizium anisopliae* sensu lato 1088
 23 *Metarhizium anisopliae* sensu lato 1089
 23 *Metarhizium anisopliae* sensu lato 1090
 23 *Metarhizium anisopliae* sensu lato 1091
 23 *Metarhizium anisopliae* sensu lato 1094
 23 *Metarhizium anisopliae* sensu lato 1097
 2320 *Beauveria bassiana* 3907
 2336 *Beauveria bassiana* 2883
 2348 *Hirsutella repens* 2359
 2348 *Hirsutella repens* 2394
 2350 *Paecilomyces* sp. 2378
 2351 *Aschersonia* sp. 2397
 2352 *Hirsutella guyana* 2387
 2359 *Hirsutella repens* 2348
 2359 *Hirsutella repens* 2394
 2375 (never frozen) *Isaria farinosa* 2344
 2377 (never frozen) *Paecilomyces* sp. 2354
 2378 *Paecilomyces* sp. 2350
 2379 (never frozen) *Isaria farinosa* 2355
 2381 (never frozen) *Metarhizium anisopliae* sensu lato 2341
 2382 (never frozen) *Metarhizium* sp. 2353
 2383 (never frozen) *Metarhizium anisopliae* sensu lato 2341
 2384 (never frozen) *Metarhizium anisopliae* sensu lato 2342
 2385 (never frozen) *Metarhizium anisopliae* sensu lato 2343
 2387 *Hirsutella guyana* 2352
 2388 (never frozen) *Hirsutella citriformis* 2346
 2389 (never frozen) *Hirsutella citriformis* 2347
 2390 (never frozen) *Metarhizium rileyi* 2345
 2391 (never frozen) *Aschersonia insperata* 2356
 2392 (never frozen) *Aschersonia* sp. 2357
 2393 (never frozen) *Aschersonia* sp. 2358
 2394 *Hirsutella repens* 2348
 2394 *Hirsutella repens* 2359
 2397 *Aschersonia* sp. 2351
 2459 *Hirsutella thompsonii* 255
 2464 *Hirsutella thompsonii* 2012
 2466 *Metarhizium rileyi* 2013
 2468 *Drechmeria coniospora* 5739
 252 *Beauveria bassiana* 5275
 252 *Beauveria bassiana* 5276
 252 *Beauveria bassiana* 5277
 252 *Beauveria bassiana* 5278
 252 *Beauveria bassiana* 5279
 252 *Beauveria bassiana* 5280
 252 *Beauveria bassiana* 5281
 252 *Beauveria bassiana* 5282
 252 *Beauveria bassiana* 5283
 252 *Beauveria bassiana* 5286
 252 *Beauveria bassiana* 5284
 252 *Beauveria bassiana* 5285
 2524 (deaccessioned) *Zoophthora radicans* 2499
 2547 *Metarhizium robertsii* 4123
 255 *Hirsutella thompsonii* 2459
 2559 *Beauveria bassiana* 2638
 2562 *Leptolegnia chapmanii* 2680
 2575 *Metarhizium robertsii* 3608
 258 *Hirsutella thompsonii* 414
 2627 *Metarhizium anisopliae* sensu stricto 7980
 2638 *Beauveria bassiana* 2559
 2649 *Hirsutella* sp. 2992
 2650 *Hirsutella guyana* 2993
 2662 (deaccessioned) *Erynia* sp. 2553
 2669 (deaccessioned) *Zoophthora radicans* 2554
 2680 *Leptolegnia chapmanii* 2562
 2700 *Zoophthora radicans* 3171
 2701 *Zoophthora radicans* 3119
 2703 *Zoophthora radicans* 3116
 2706 *Zoophthora radicans* 3149
 2709 *Zoophthora radicans* 3114
 2713 *Zoophthora radicans* 3164
 2749 *Isaria fumosorosea* 4700
 2858 *Verticillium lecanii* 3909
 2859 *Verticillium lecanii* 3862
 2862 *Lecanicillium muscarium* 3861
 2879 *Beauveria bassiana* 4099
 2879 *Beauveria bassiana* 4100
 2879 *Beauveria bassiana* 4101
 2882 *Beauveria bassiana* 3905
 2883 *Beauveria bassiana* 2336
 2992 *Hirsutella* sp. 2649
 2993 *Hirsutella* sp. 2650

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- 3000 *Verticillium lecanii* 3903
 3114 *Zoophthora radicans* 2709
 3116 *Zoophthora radicans* 2703
 3119 *Zoophthora radicans* 2701
 3149 *Zoophthora radicans* 2706
 3164 *Zoophthora radicans* 2713
 3166 *Beauveria bassiana* 3891
 3171 *Zoophthora radicans* 2700
 324 *Metarhizium anisopliae* var. *acidum* 7522
 3283 *Zoophthora radicans* 3284
 3284 *Zoophthora radicans* 3283
 332 (lost) *Entomophaga australiensis* 331
 3328 (deaccessioned) *Lagenidium giganteum* 3327
 3353 (deaccessioned) *Drechslerella dactyloides* 2934
 3359 *Conidiobolus thromboides* 41
 3360 *Conidiobolus thromboides* 15
 3360 *Conidiobolus thromboides* 115
 3360 *Conidiobolus thromboides* 208
 3361 *Conidiobolus thromboides* 15
 3361 *Conidiobolus thromboides* 115
 3361 *Conidiobolus thromboides* 208
 3362 *Conidiobolus thromboides* 40
 3363 *Conidiobolus thromboides* 70
 3364 *Conidiobolus thromboides* 2
 3385 *Beauveria bassiana* 3890
 3397 (deaccessioned) *Tolyposcladium inflatum* 3321
 354 *Conidiobolus obscurus* 824
 355 *Conidiobolus obscurus* 133
 3572 *Isaria fumosorosea* 5316
 3572 *Isaria fumosorosea* 5317
 3572 *Isaria fumosorosea* 5318
 3572 *Isaria fumosorosea* 5319
 3572 *Isaria fumosorosea* 5327
 3572 *Isaria fumosorosea* 5328
 3572 *Isaria fumosorosea* 5329
 359 *Zoophthora radicans* 370
 359 *Zoophthora radicans* 823
 363 *Conidiobolus thromboides* 102
 363 *Conidiobolus thromboides* 1734
 368 *Myriodontium keratinophilum* 386
 369 *Pandora kondoiensis* 825
 3699 *Isaria fumosorosea* 4459
 3699 *Isaria fumosorosea* 4460
 3699 *Isaria fumosorosea* 4461
 370 *Zoophthora radicans* 359
 370 *Zoophthora radicans* 823
 3762 *Beauveria bassiana* 3825
 3762 *Entomophaga maimaiga* 3880
 3836 *Verticillium lecanii* 3881
 3836 *Lecanicillium lecanii*(?) 3882
 3837 *Lecanicillium lecanii*(?) 3883
 3838 *Verticillium lecanii* 3902
 3839 *Lecanicillium lecanii*(?) 3884
 3840 *Verticillium lecanii* 3904
 386 *Myriodontium keratinophilum* 368
 3908 *Beauveria bassiana* 3908
 3940 *Metarhizium rileyi* 6734
 40 *Conidiobolus thromboides* 3362
 41 *Conidiobolus thromboides* 3359
 414 *Hirsutella thompsonii* 258
 424 (lost) *Eryniopsis caroliniana* 641
 441 *Metarhizium anisopliae* sensu lato 7489
 442 *Metarhizium anisopliae* sensu lato 7490
 4460 *Isaria fumosorosea* 4702
 447 *Conidiobolus osmodes* 193
 4480 *Isaria fumosorosea* 4704
 4481 *Isaria fumosorosea* 4705
 4489 *Isaria fumosorosea* 4708
 4491 *Isaria fumosorosea* 4709
 4492 *Isaria fumosorosea* 4710
 4493 *Isaria fumosorosea* 4711
 466 (lost) *Entomophthora muscae* 392
 467 (lost) *Zoophthora aphidis* 425
 541 (lost) *Culicinomyces clavisporus* 644
 5718 *Cordyceps staphylinidaecola* 6719
 643 (lost) *Zoophthora aphidis* 425
 6719 *Cordyceps staphylinidaecola* 5718
 674 *Pandora delphacis* 11872
 674 *Pandora delphacis* 11873
 70 *Conidiobolus thromboides* 3363
 7453 *Metarhizium lepidiotae* 7488
 746 (deaccessioned) *Lagenidium giganteum* 373
 7488 *Metarhizium anisopliae* var. *lepidiotae* 7453
 7984 *Beauveria bassiana* 8638
 7985 Unidentified / *Hyphomycetes* 8640
 82 (lost) *Zoophthora phytonomi* 113
 823 *Zoophthora radicans* 359
 823 *Zoophthora radicans* 370
 824 *Conidiobolus obscurus* 354
 825 *Pandora kondoiensis* 369
 84 *Conidiobolus thromboides* 85
 85 *Conidiobolus thromboides* 84
 86 *Conidiobolus thromboides* 87
 8638 *Beauveria bassiana* 7984
 8640 *Lecanicillium aphanocladii*(?) 7985
 87 *Conidiobolus thromboides* 86
 888 (deaccessioned) *Metarhizium anisopliae* sensu lato 872
 8945 *Metarhizium anisopliae* sensu lato 8989
 919 *Batkoa apiculata* 1661
 927 *Batkoa apiculata* 1660
 96 (lost) *Conidiobolus coronatus* 1738
 995 (deaccessioned) *Conidiobolus obscurus* 1131
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 12584 *Conidiobolus pumilus* 453
 12588 *Conidiobolus rhyosporus* 448
 12589 *Conidiobolus adiaeretus* 451
 12590 *Conidiobolus osmodes* 193
 12590 *Conidiobolus osmodes* 447
 12942 *Conidiobolus paulus* 450
 14270 *Conidiobolus thromboides* 15
 14270 *Conidiobolus thromboides* 115
 14270 *Conidiobolus thromboides* 208
 14449 *Basidiobolus ranarum* 8328
 14450 *Basidiobolus meristosporus* 8329
 14495 *Lecanicillium psalliotae* 5249
 15379 *Basidiobolus magnus* 8330
 16576 *Conidiobolus bangalorensis* 449
 16579 *Basidiobolus haptosporus* var. *minor* 8331
 16580 *Basidiobolus heterosporus* 8332
 18061 *Calcarisporium parasiticum* 6154
 18766 *Harposporium helicoides* 5354
 18981 *Tolyposcladium inflatum* 616
 200913 *Metarhizium minus* 1763
 200994 *Tolyposcladium inflatum* 4884
 201113 *Harposporium cerberi* 5123
 204364 *Ophiocordyceps variabilis* 4080
 204365 *Ophiocordyceps variabilis* 5365
 20872 *Beauveria bassiana* 2404
 22593 *Verticillium epiphytum* 5250
 22610 *Lecanicillium muscarium* 5220
 24318 *Isaria fumosorosea* 3824
 24318 *Beauveria bassiana* 1
 24319 *Isaria farinosa* 3
 24400 *Isaria sinclairii* 6925
 24418 *Conidiobolus obscurus* 74
 24419 *Conidiobolus thromboides* 73
 24493 *Zoophthora radicans* 72
 24874 *Hirsutella thompsonii* 137
 26156 *Beauveria brongniartii* 617
 26854 *Lecanicillium muscarium* 8041
 28691 *Conidiobolus coronatus* 205
 28847 *Conidiobolus brefeldianus* 452
 3010 *Hirsutella thompsonii* 255
 32245 *Zoophthora radicans* 3623
 32797 *Zoophthora radicans* 189
 32804 *Hirsutella fusiformis* 5474
 32867 *Conidiobolus coronatus* 206
 32969 *Metarhizium flavoviride* 2133
 34178 *Ophiocordyceps aphodii* 5498
 34292 *Zoophthora phytonomi* 113
 34698 *Pandora blunckii* 217
 34948 *Nomuraea anemonoidea* 2467
 36482 *Sporodiniella umbellata* 5222
 36654 *Tolyposcladium inflatum* 3433
 36805 *Calcarisporium arbuscula* 6155
 42438 *Tolyposcladium cylindrosporium* 962
 44767 *Synnematium jonesii* 5664
 46576 *Haptocillium balanoides* 2483
 52635 *Culicinomyces clavisporus* 964
 56427 *Neobarya parasitica* 6156
 56502 *Tolyposcladium geodes* 3274
 58381 *Aphanomyces* sp. 2005
 58382 *Catenaria anguillulae* 2015
 58383 *Lagenidium caudatum* 2003
 58384 *Leptolegnia* sp. 2004
 58712 *Verticillium lecanii* 5221
 58909 *Lecanicillium muscarium* 795
 58909 *Verticillium lecanii* 3840
 60335 *Metarhizium anisopliae* sensu lato 925
 60336 *Metarhizium anisopliae* sensu stricto 1894
 62708 *Ascosphaera larvis* 7945
 62708 *Ascosphaera larvis* 7946
 64258 *Mortierella hyalina* 2061
 64259 *Pochonia suchlasporia* var. *catenata* 2064
 64865 *Acremonium berkeleyanum* 2067
 74040 *Beauveria bassiana* 7795
 74040 *Beauveria bassiana* 8201
 74040 *Beauveria bassiana* 8202
 74040 *Beauveria bassiana* 8203
 74040 *Beauveria bassiana* 8204

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 74040 *Beauveria bassiana* 8206
 74040 *Beauveria bassiana* 8207
 74040 *Beauveria bassiana* 8208
 74040 *Beauveria bassiana* 8209
 74040 *Beauveria bassiana* 8210
 74040 *Beauveria bassiana* 8211
 74250 *Beauveria bassiana* 6444
 76115 *Conidiobolus uatagenitus* 6378
 76239 *Cryptocola clavulifera* 1940
 76240 *Lagenidium giganteum* 2531
 9095 *Myrothecium verrucaria* 7757
 MYA-3093 *Metarhizium robertsii* 2575
 MYA-4450 *Ascosphaera apis* 7405
 MYA-4451 *Ascosphaera apis* 7406
- Avery, Pasco B.**
 1 DAT 10⁻² *Purpureocillium lilacinum* 9610
 B2-1 *Purpureocillium lilacinum* 9610
- B.A. Mullin**
 BO-1 *Paecilomyces* sp. 3788
- Balazy, Stanislaw**
 1428 *Lecanicillium muscarium* 1330
 1431 *Polycephalomyces formosus* 1424
 1437 *Fusarium lateritium* 1331
 1437 *Fusarium lateritium* 1416
 1441 *Hirsutella radiata* 1369
 1451' Unidentified sp. 1419
 1453c *Verticillium lecanii* 1333
 1453k *Lecanicillium muscarium* 1334
 1480 *Lecanicillium muscarium* 1332
 1496c *Pandora dipterigena* 1422
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 2.19 *Fusarium sporotrichioides* 8647
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 2.23 *Lecanicillium muscarium* 8642
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 21 *Fusarium sporotrichioides* 8305
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 3(RSRS-0/34) *Acremonium berkeleyanum* 2067
 4(HO-O-Hatch VIII) *Lecanicillium muscarium* 2066
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745.88 *Mariannaea elegans* 5349
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756.73 *Sporothrix insectorum* 2918
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006988 *Tolypocladium inflatum* 4884
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DAOM 167175 <i>Tolypocladium inflatum</i> 3279	CG 123 <i>Isaria fumosorosea</i> 2956	CG 599 <i>Metarhizium anisopliae</i> sensu lato 12868
DAOM 167176 <i>Tolypocladium cylin-</i> <i>drosporium</i> 963	CG 134 Unidentified sp. 3467	CG 6 Unidentified sp. 3466
DAOM 167320 <i>Tolypocladium nubicola</i> 3434	CG 135 Unidentified sp. 3468	CG 604 <i>Metarhizium anisopliae</i> sensu lato 12869
DAOM 167321 <i>Tolypocladium geodes</i> 3271	CG 145 <i>Beauveria bassiana</i> 2957	CG 607 <i>Metarhizium robertsii</i> 12870
DAOM 167322 <i>Tolypocladium inflatum</i> 3280	CG 162 <i>Isaria amoenerosea</i> 2958	CG 608 <i>Metarhizium anisopliae</i> sensu lato 12871
DAOM 167323 <i>Tolypocladium geodes</i> 3272	CG 163 <i>Isaria amoenerosea</i> 2959	CG 612 <i>Metarhizium anisopliae</i> sensu lato 12872
DAOM 167324 <i>Tolypocladium nubicola</i> 3435	CG 164 <i>Isaria amoenerosea</i> 2960	CG 614 <i>Metarhizium anisopliae</i> sensu lato 12873
DAOM 167325 <i>Tolypocladium cylin-</i> <i>drosporium</i> 962	CG 165 <i>Beauveria bassiana</i> 2961	CG 620 <i>Metarhizium anisopliae</i> sensu lato 12874
DAOM 167326 <i>Tolypocladium geodes</i> 3273	CG 166 <i>Beauveria bassiana</i> 2962	CG 639 Unidentified / Hyphomycetes 8641
DAOM 176470 <i>Tolypocladium geodes</i> 3274	CG 168 <i>Metarhizium anisopliae</i> sensu stricto 1883	CG 657 <i>Metarhizium anisopliae</i> sensu lato 12875
DAOM 180479 <i>Tolypocladium cylin-</i> <i>drosporium</i> 3392	CG 181 <i>Purpureocillium lilacinum</i> 3469	CG 661 <i>Metarhizium anisopliae</i> sensu lato 12876
DAOM 180481 <i>Tolypocladium inflatum</i> 3433	CG 182 Unidentified sp. 3470	CG 667 <i>Metarhizium anisopliae</i> sensu lato 12877
DAOM 183952 <i>Tolypocladium cylin-</i> <i>drosporium</i> 961	CG 186 Unidentified sp. 3624	CG 68 <i>Beauveria bassiana</i> 3018
DAOM 183955 <i>Tolypocladium inflatum</i> 3394	CG 187 <i>Beauveria bassiana</i> 3477	CG 683 <i>Metarhizium anisopliae</i> sensu lato 12878
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DAOM 185687 <i>Tolypocladium inflatum</i> 3395	CG 189 Unidentified sp. 3476	CG 693 <i>Metarhizium anisopliae</i> sensu lato 12879
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DAOM 191333 <i>Tolypocladium geodes</i> 3275	CG 262 Unidentified sp. 3626	CG 725 <i>Beauveria</i> sp. 7982
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DAOM 191336 <i>Tolypocladium geodes</i> 3276	CG 264 Unidentified sp. 3628	CG 762 <i>Metarhizium anisopliae</i> sensu lato 12882
DAOM 191338 <i>Tolypocladium inflatum</i> 3396	CG 265 Unidentified sp. 3629	CG 763 <i>Metarhizium anisopliae</i> sensu lato 12883
DAOM 191855 <i>Beauveria caledonica</i> 2567	CG 266 Unidentified sp. 3630	CG 765 <i>Metarhizium anisopliae</i> sensu lato 12884
DAOM 198395 <i>Tolypocladium inflatum</i> 3281	CG 268 Unidentified sp. 3631	CG 766 <i>Metarhizium robertsii</i> 12885
DAOM 199924 <i>Tolypocladium inflatum</i> 3321	CG 269 Unidentified sp. 3632	CG 770 <i>Metarhizium anisopliae</i> sensu lato 12886
DAOM 210147 <i>Tolypocladium inflatum</i> 3398	CG 270 Unidentified sp. 3633	CG 775 <i>Metarhizium anisopliae</i> sensu lato 12887
DAOM 63905 <i>Tolypocladium inflatum</i> 3320	CG 271 Unidentified sp. 3634	CG 779 <i>Metarhizium robertsii</i> 12888
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B-4742 <i>Conidiobolus</i> sp. 2924		
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019 *Metarhizium rileyi* 7479
021 *Metarhizium rileyi* 7778
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055 *Isaria fumosorosea* 7205
056 *Lecanicillium longisporum* 7461
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083 *Beauveria bassiana* 7470
086 *Metarhizium anisopliae* sensu lato
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184 *Conidiobolus* sp. 7786
188 *Lecanicillium longisporum* 7783
189 *Beauveria bassiana* 7776
190 *Lecanicillium longisporum* 7784
194 *Lecanicillium muscarium* 7785
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304 *Isaria fumosorosea* 8718
305 *Isaria fumosorosea* 8719
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307 *Isaria fumosorosea* 8721
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312 *Isaria fumosorosea* 8727
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HRI 16.75 *Verticillium lecanii* 5127
HRI 18.78 *Verticillium lecanii* 6544
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HRI 19.79 *Lecanicillium muscarium* 5128
HRI 2.72 *Verticillium lecanii* 6540
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HRI 3.72 *Verticillium lecanii* 6541
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HRI 331.92 *Metarhizium anisopliae* var.
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PC 321 *Aschersonia aleyrodis* 7617
PC 375 *Aschersonia cubensis* 7704
PC 378 *Aschersonia cubensis* 7700
PC 385 *Torrubiella* sp. 7701
PC 386 *Aschersonia cubensis* 7702
PC 389 *Aschersonia cubensis* 7703
PC 415 *Hypocrella* sp. 7705
PC 434 *Aschersonia aleyrodis* 7706
PC 436-2 *Aschersonia* sp. 8200
PC 445 *Aschersonia aleyrodis* 7707
PC 468 *Torrubiella* sp. 7708
PC 472 *Gibellula* sp. 7709
PC 497 *Hypocrea rufa* 7710
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PC 545 *Aschersonia cubensis* 7647
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PC 565 *Clavicipitaceae* anamorph 7649
PC 575 *Aschersonia viridans* 7650
PC 585 *Aschersonia viridans* 7652
PC 589 *Aschersonia viridans* 7653
PC 604 *Clavicipitaceae* anamorph 7654
PC 611 *Hyperdermium* sp. 7655
PC 614 *Aschersonia* sp. 7656
PC 616 *Clavicipitaceae* anamorph 7657
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Ruby Mine *Conidiobolus* sp. 3409
V *Conidiobolus* sp. 3406
VI *Conidiobolus* sp. 3407

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Churchill, Alice C.

- ARSEF 2575 SS1 *Metarhizium robertsii* 8321
 ARSEF 2575 SS2 *Metarhizium robertsii* 8322
 MaNPS1 Ect A-18 *Metarhizium anisopliae* sensu lato 8323
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 MaNPS1 KO 43-1 *Metarhizium anisopliae* sensu lato 8327
 MaNPS1 KO 8-18 *Metarhizium anisopliae* sensu lato 8325
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 004 *Fusarium proliferatum* 6320
 013 *Sporothrix* sp. 6341
 016 *Trichoderma viride*(?) 6344
 020 *Fusarium* sp. 6348
 021 *Fusarium* sp. 6351
 022 *Fusarium* sp. 6352
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 042 *Metarhizium anisopliae* sensu lato 6457
 043 *Paecilomyces lilacinus*(?) 6458
 044 *Beauveria bassiana* 6459
 045 *Fusarium* sp. 6460
 046 *Fusarium* sp. 6461
 047 *Paecilomyces crustaceus*(?) 6462
 048 Unidentified sp. 6463
 049 *Fusarium* sp. 6464
 050 *Fusarium* sp. 6465
 051 Unidentified sp. 6466
 052 *Paecilomyces crustaceus*(?) 6467
 053 *Metarhizium anisopliae* sensu lato 6468
 068 *Fusarium* sp. 6576
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- Anderson Isolate *Beauveria bassiana* 3113

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- 150 *Evlachovaea kintrischica* 7218
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 267 *Beauveria bassiana* 2632
 268 *Beauveria bassiana* 2633
 52 *Beauveria bassiana* 1450
 53 *Metarhizium anisopliae* sensu lato 1989
 63 *Beauveria bassiana* 2630
 81-11-25-01 *Beauveria bassiana* 730
 81-11-25-04 *Beauveria bassiana* 756
 81-11-25-05 *Beauveria bassiana* 731
 81-11-25-07 *Beauveria bassiana* 732
 82-07-27-01 *Beauveria bassiana* 928

- 82-1-15-02 *Beauveria bassiana* 735
 82-1-15-05 *Isaria fumosorosea* 722
 82-1-15-06 *Isaria amoenerosea* 741
 82-1-26-01 *Beauveria bassiana* 737
 82-1-6-01 *Beauveria bassiana* 733
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 82-1-6-03 *Beauveria bassiana* 734
 82-1-6-04 *Beauveria bassiana* 736
 82-1-6-10 *Purpureocillium lilacinum* 723
 82-12-01 *Metarhizium anisopliae* sensu lato 1970
 82-12-15-01 *Metarhizium anisopliae* sensu lato 929
 82-12-15-02 *Beauveria bassiana* 930
 82-12-20-01 *Beauveria bassiana* 931
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 82-2-15-01 *Beauveria bassiana* 752
 82-2-15-02 *Metarhizium anisopliae* sensu lato 729
 82-2-15-03 *Metarhizium anisopliae* sensu lato 760
 82-2-15-04 *Metarhizium robertsii* 724
 82-2-15-05 *Isaria amoenerosea* 744
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 82-3-23-01 *Beauveria bassiana* 757
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 83-06-06-1 *Beauveria bassiana* 957
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 84-04-13-1B *Pandora delphacis* 1238
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 84-3-12 *Beauveria bassiana* 1971
 85-05-02 *Purpureocillium lilacinum* 1951
 85-06-14 *Metarhizium rileyi* 1950
 85-7-21 *Metarhizium robertsii* 1952
 85-7-22 *Beauveria bassiana* 1956
 85-7-22-1 *Isaria farinosa* 1957
 85-7-23 *Beauveria bassiana* 1953
 85-7-23-1 *Beauveria bassiana* 1954
 85-7-23-2 *Beauveria bassiana* 1955
 85-7-24 *Beauveria bassiana* 2075
 85-7-24-1 *Metarhizium anisopliae* sensu lato 1958
 85-7-24-2 *Beauveria bassiana* 1959
 85-7-24-3 *Beauveria bassiana* 1960
 85-7-24-4 *Beauveria bassiana* 1961
 85-7-24-5 *Metarhizium rileyi* 1972
 85-7-30 *Acremonium roseum* 1964
 86-06-02-2 *Isaria fumosorosea* 2217
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 19 *Metarhizium anisopliae* sensu lato 1055
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 C31 *Purpureocillium lilacinum* 7546
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 101 *Beauveria bassiana* 956
 102 *Beauveria bassiana* 957
 104 *Beauveria bassiana* 958
 105 *Evlachovaea* sp. 959
 106 *Erynia* sp. 876
 108 *Hirsutella guyana* 878
 109 *Hirsutella guyana* 879
 110 *Erynia* sp. 880
 111 *Hirsutella guyana* 881
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 113 *Hirsutella guyana* 883
 114 *Erynia* sp. 884
 122 *Metarhizium pingshaense* 1448
 123 *Metarhizium anisopliae* sensu lato 1449
 124 *Beauveria bassiana* 1971
 125 *Beauveria bassiana* 1450
 126 *Metarhizium anisopliae* sensu lato 1989
 127 *Zoophthora radicans* 1227
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 129 *Zoophthora radicans* 1229
 130 *Entomophaga* sp. 1230
 131 *Zoophthora radicans* 1231
 132 *Zoophthora radicans* 1232
 133 *Zoophthora radicans* 1233
 134 *Zoophthora radicans* 1234
 136 *Zoophthora radicans* 1236
 137 *Zoophthora radicans* 1237
 138 *Pandora delphacis* 1238
 139 *Zoophthora radicans* 1239
 14 *Beauveria bassiana* 735
 140 *Furia americana* 1240
 141 *Erynia* sp. 1241
 142 *Furia americana* 1242
 143 *Beauveria bassiana* 1453
 144 *Beauveria bassiana* 1454
 145 *Beauveria bassiana* 1455
 146 *Beauveria bassiana* 1456
 147 *Beauveria bassiana* 1457
 148 *Beauveria bassiana* 1458
 149 *Beauveria bassiana* 1459
 150 *Beauveria bassiana* 1460
 151 *Beauveria bassiana* 1461
 152 *Beauveria bassiana* 1462
 153 *Beauveria bassiana* 1463
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 155 *Beauveria bassiana* 1465
 156 *Beauveria bassiana* 1466
 157 *Beauveria bassiana* 1467
 158 *Beauveria bassiana* 1468
 159 *Beauveria bassiana* 1469
 160 *Beauveria bassiana* 1470
 161 *Beauveria bassiana* 1471
 162 *Beauveria bassiana* 1472
 163 *Beauveria bassiana* 1473
 164 *Beauveria bassiana* 1474
 165 *Beauveria bassiana* 1475
 166 *Beauveria bassiana* 1476
 167 *Conidiobolus* sp. 1477
 168 *Beauveria bassiana* 1966

- 17 *Purpureocillium lilacinum* 723
 170 *Metarhizium anisopliae* sensu lato 1970
 171 *Metarhizium anisopliae* sensu lato 1882
 172 *Metarhizium anisopliae* sensu stricto 1883
 173 *Conidiobolus coronatus* 1884
 174 *Metarhizium anisopliae* sensu lato 1885
 175 *Metarhizium rileyi* 1950
 176 *Purpureocillium lilacinum* 1951
 177 *Metarhizium robertsii* 1952
 178 *Beauveria bassiana* 1953
 179 *Beauveria bassiana* 1954
 18 *Isaria fumosorosea* 722
 180 *Beauveria bassiana* 1955
 181 *Beauveria bassiana* 1956
 182 *Isaria farinosa* 1957
 183 *Beauveria bassiana* 2075
 184 *Metarhizium anisopliae* sensu lato 1958
 185 *Beauveria bassiana* 1959
 186 *Beauveria bassiana* 1960
 187 *Beauveria bassiana* 1961
 188 *Beauveria bassiana* 1962
 19 *Isaria amoenerosea* 741
 190 *Acremonium roseum* 1964
 192 *Metarhizium rileyi* 1972
 194 *Metarhizium anisopliae* sensu lato 2076
 195 *Metarhizium anisopliae* sensu lato 2077
 196 *Purpureocillium lilacinum* 2078
 198 *Beauveria bassiana* 2079
 20 *Beauveria bassiana* 737
 201 *Beauveria bassiana* 2191
 202 *Furia americana* 2192
 203 *Conidiobolus* sp. 2193
 204 *Furia americana* 2194
 207 *Metarhizium anisopliae* sensu lato 2211
 208 *Metarhizium anisopliae* sensu lato 2212
 209 *Metarhizium anisopliae* sensu lato 2213
 21 *Metarhizium robertsii* 727
 210 *Metarhizium anisopliae* sensu lato 2214
 211 *Purpureocillium lilacinum* 2215
 212 *Isaria fumosorosea* 2216
 213 *Isaria fumosorosea* 2217
 214 *Pochonia chlamydosporia* var. *chlamydosporia* 2218
 215 *Isaria fumosorosea* 2219
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 273 *Metarhizium anisopliae* sensu lato 4328

- 274 *Metarhizium anisopliae* sensu lato 4306
 275 *Metarhizium anisopliae* sensu lato 4288
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 281 *Metarhizium frigidum* 4294
 282 *Metarhizium anisopliae* sensu lato 4324
 283 *Metarhizium anisopliae* sensu lato 4330
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 285 *Metarhizium anisopliae* sensu lato 4323
 286 *Metarhizium anisopliae* sensu lato 4331
 287 *Metarhizium anisopliae* sensu lato 4329
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 290 *Metarhizium anisopliae* sensu lato 4349
 291 *Metarhizium anisopliae* sensu lato 4327
 292 *Metarhizium anisopliae* sensu lato 4617
 293 *Metarhizium anisopliae* sensu lato 4307
 294 *Metarhizium anisopliae* sensu lato 4737
 295 *Metarhizium anisopliae* sensu lato 4638
 296 *Metarhizium anisopliae* sensu lato 4595
 297 *Metarhizium anisopliae* sensu lato 4738
 298 *Metarhizium robertsii* 4739
 3 *Aspergillus flavus* 4126
 300 *Metarhizium anisopliae* sensu lato 4591
 301 *Metarhizium anisopliae* sensu lato 4631
 302 *Metarhizium anisopliae* sensu lato 4740
 303 *Metarhizium anisopliae* sensu lato 4641
 305 *Beauveria pseudobassiana* 4583
 306 *Metarhizium anisopliae* sensu lato 4284
 307 *Beauveria pseudobassiana* 4564
 308 *Beauveria australis* 4598
 309 *Beauveria pseudobassiana* 4240
 311 *Metarhizium anisopliae* sensu lato 4586
 313 *Metarhizium anisopliae* sensu lato 4632
 314 *Metarhizium anisopliae* sensu lato 4315
 315 *Metarhizium anisopliae* sensu lato 4313
 316 *Metarhizium anisopliae* sensu lato 4319
 317 *Metarhizium anisopliae* sensu lato 4317
 318 *Metarhizium anisopliae* sensu lato 4318
 319 *Metarhizium anisopliae* sensu lato 4316
 32 *Fusarium* sp. 4238
 320 *Metarhizium anisopliae* sensu lato 4310
 321 *Metarhizium anisopliae* sensu lato 4308
 322 *Metarhizium anisopliae* sensu lato 4312
 323 *Metarhizium anisopliae* sensu lato 4347
 324 *Metarhizium anisopliae* sensu lato 4314
 325 *Metarhizium anisopliae* sensu lato 4311
 326 *Metarhizium anisopliae* sensu lato 4293
 327 *Beauveria bassiana* 4305
 328 *Beauveria pseudobassiana* 4301
 329 *Beauveria pseudobassiana* 4644
 33 *Metarhizium anisopliae* sensu lato 4346
 330 *Beauveria pseudobassiana* 4741
 331 *Metarhizium anisopliae* sensu lato 4192
 333 *Beauveria caledonica* 4302
 334 *Beauveria pseudobassiana* 4320
 335 *Beauveria pseudobassiana* 4353
 336 *Beauveria pseudobassiana* 4571
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 34 *Metarhizium anisopliae* sensu lato 4239
 340 *Metarhizium anisopliae* sensu lato 4634
 341 *Metarhizium anisopliae* sensu lato 4645
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 344 *Metarhizium anisopliae* sensu lato 4743
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 352 *Metarhizium anisopliae* sensu lato 4749
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 354 *Phialophora* sp. 4751
 355 *Metarhizium anisopliae* sensu lato 4752
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 364 *Metarhizium anisopliae* sensu lato 4309
 365 *Metarhizium anisopliae* sensu lato 4354
 367 *Beauveria malawiensis* 4755
 368 *Metarhizium novozealandicum* 4674
 369 *Metarhizium brunneum* 4615
 37 *Metarhizium robertsii* 4227
 371 *Metarhizium anisopliae* sensu lato 4613
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 373 *Metarhizium anisopliae* sensu lato 4563
 374 *Metarhizium anisopliae* sensu lato 4757
 375 *Metarhizium guizhouense* 4321
 377 *Metarhizium anisopliae* sensu lato 4758
 378 *Metarhizium anisopliae* sensu lato 4668
 379 *Metarhizium anisopliae* sensu lato 4292
 38 *Penicillium* sp. 4143
 380 *Metarhizium anisopliae* sensu lato 4596
 382 *Metarhizium anisopliae* sensu lato 4350
 383 *Metarhizium anisopliae* sensu lato 4351
 384 *Metarhizium anisopliae* sensu lato 4352
 385 *Metarhizium frigidum* 4561
 386 *Metarhizium anisopliae* sensu lato 4291
 388 *Metarhizium anisopliae* sensu lato 4759
 389 *Metarhizium anisopliae* sensu lato 4664
 39 *Penicillium* sp. 4223
 390 *Metarhizium anisopliae* sensu lato 4676
 391 *Metarhizium anisopliae* sensu lato 4584
 392 *Metarhizium anisopliae* sensu lato 4640
 393 *Metarhizium flavoviride* 4304

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| 395 <i>Metarhizium anisopliae</i> sensu lato 4687 | 47 <i>Metarhizium guizhouense</i> 4588 | 513 <i>Metarhizium anisopliae</i> sensu lato 4780 |
| 396 <i>Metarhizium anisopliae</i> sensu lato 4663 | 470 <i>Metarhizium anisopliae</i> sensu lato 4600 | 514 <i>Metarhizium majus</i> 4566 |
| 397 <i>Metarhizium anisopliae</i> sensu lato 4322 | 471 <i>Tolypocladium inflatum</i> 4772 | 515 <i>Metarhizium majus</i> 4601 |
| 398 <i>Metarhizium anisopliae</i> sensu lato 4585 | 472 <i>Tolypocladium inflatum</i> 4575 | 516 <i>Metarhizium anisopliae</i> sensu lato 4574 |
| 399 <i>Metarhizium anisopliae</i> sensu lato 4576 | 473 <i>Metarhizium guizhouense</i> 4604 | 6 <i>Aspergillus parasiticus</i> 4129 |
| 4 <i>Aspergillus tamarii</i> 4127 | 474 <i>Metarhizium anisopliae</i> sensu lato 4630 | 7 <i>Beauveria bassiana</i> 4130 |
| 400 <i>Metarhizium anisopliae</i> sensu lato 4760 | 475 <i>Metarhizium lepidiotae</i> 4660 | 71 <i>Metarhizium anisopliae</i> sensu lato 4623 |
| 401 <i>Metarhizium anisopliae</i> sensu lato 4673 | 476 <i>Metarhizium lepidiotae</i> 4587 | 73 <i>Metarhizium anisopliae</i> sensu lato 4253 |
| 402 <i>Metarhizium anisopliae</i> sensu lato 4618 | 477 <i>Metarhizium anisopliae</i> sensu lato 4773 | 74 <i>Metarhizium anisopliae</i> sensu lato 4717 |
| 403 <i>Metarhizium anisopliae</i> sensu lato 4654 | 478 <i>Metarhizium anisopliae</i> sensu lato 4582 | 77 <i>Metarhizium anisopliae</i> sensu lato 4249 |
| 404 <i>Metarhizium anisopliae</i> sensu lato 4761 | 479 <i>Metarhizium anisopliae</i> sensu lato 4572 | 78 <i>Penicillium</i> sp. 4144 |
| 405 <i>Metarhizium anisopliae</i> sensu lato 4762 | 48 <i>Beauveria bassiana</i> 4672 | 79 <i>Metarhizium anisopliae</i> sensu lato 4614 |
| 406 <i>Metarhizium anisopliae</i> sensu lato 4763 | 480 <i>Metarhizium pingshaense</i> 4610 | 80 <i>Metarhizium anisopliae</i> sensu lato 4649 |
| 408 <i>Metarhizium anisopliae</i> sensu lato 4560 | 481 <i>Metarhizium pingshaense</i> 4557 | 81 <i>Mixed Culture</i> sp. 4145 |
| 409 <i>Metarhizium anisopliae</i> sensu lato 4764 | 483 <i>Metarhizium anisopliae</i> sensu lato 4333 | 84 <i>Beauveria bassiana</i> 4616 |
| 41 <i>Beauveria bassiana</i> 4607 | 484 <i>Metarhizium anisopliae</i> sensu lato 4335 | 85 <i>Beauveria pseudobassiana</i> 4297 |
| 411 <i>Metarhizium anisopliae</i> sensu lato 4682 | 485 <i>Metarhizium anisopliae</i> sensu lato 4339 | 86 <i>Penicillium</i> sp. 4146 |
| 412 <i>Metarhizium frigidum</i> 4765 | 486 <i>Metarhizium anisopliae</i> sensu lato 4338 | 87 Unidentified sp. 4147 |
| 413 <i>Metarhizium anisopliae</i> sensu lato 4766 | 487 <i>Metarhizium anisopliae</i> sensu lato 4341 | 89 <i>Metarhizium anisopliae</i> sensu lato 4283 |
| 414 <i>Metarhizium anisopliae</i> sensu lato 4590 | 488 <i>Metarhizium anisopliae</i> sensu lato 4336 | 9 <i>Beauveria pseudobassiana</i> 4273 |
| 415 <i>Metarhizium anisopliae</i> sensu lato 4577 | 489 <i>Metarhizium pingshaense</i> 4340 | 90 <i>Beauveria pseudobassiana</i> 4611 |
| 42 <i>Beauveria bassiana</i> 4589 | 49 <i>Beauveria bassiana</i> 4258 | 93 <i>Metarhizium anisopliae</i> sensu lato 4625 |
| 420 <i>Microhilum oncoperae</i> 4769 | 490 <i>Metarhizium anisopliae</i> sensu lato 4337 | 94 <i>Metarhizium anisopliae</i> sensu lato 4278 |
| 421 <i>Microhilum oncoperae</i> 4770 | 491 <i>Metarhizium pingshaense</i> 4342 | 95 <i>Beauveria pseudobassiana</i> 4612 |
| 422 <i>Microhilum oncoperae</i> 4771 | 492 <i>Metarhizium anisopliae</i> sensu lato 4334 | 96 <i>Metarhizium anisopliae</i> sensu lato 4268 |
| 424 <i>Microhilum oncoperae</i> 4358 | 493 <i>Metarhizium pingshaense</i> 4290 | 97 <i>Metarhizium anisopliae</i> sensu lato 4299 |
| 43 <i>Penicillium</i> sp. 4263 | 494 <i>Metarhizium anisopliae</i> sensu lato 4570 | 98 <i>Metarhizium anisopliae</i> sensu lato 4678 |
| 433 <i>Metarhizium anisopliae</i> sensu lato 4677 | 495 <i>Metarhizium anisopliae</i> sensu lato 4569 | 99 <i>Beauveria bassiana</i> 4276 |
| 44 <i>Metarhizium robertsii</i> 4621 | 496 <i>Metarhizium anisopliae</i> sensu lato 4343 | |
| 446 <i>Metarhizium anisopliae</i> sensu lato 4357 | 497 <i>Metarhizium anisopliae</i> sensu lato 4344 | DAVFP |
| 447 <i>Metarhizium anisopliae</i> sensu lato 4671 | 498 <i>Metarhizium anisopliae</i> sensu lato 4345 | 29230 <i>Lecanicillium pissodis</i> 8055 |
| 448 <i>Metarhizium anisopliae</i> sensu lato 4295 | 499 <i>Metarhizium anisopliae</i> sensu lato 4774 | 29231 <i>Lecanicillium pissodis</i> 8056 |
| 45 <i>Metarhizium anisopliae</i> sensu lato 4242 | 5 <i>Aspergillus parasiticus</i> 4128 | 29232 <i>Lecanicillium pissodis</i> 8057 |
| 450 <i>Metarhizium anisopliae</i> sensu lato 4648 | 500 <i>Beauveria bassiana</i> 4289 | |
| 458 <i>Metarhizium anisopliae</i> sensu lato 4652 | 503 <i>Hirsutella</i> sp. 4776 | David, H. |
| 459 <i>Beauveria australis</i> 4622 | 505 <i>Metarhizium acridum</i> 4605 | 1 <i>Fusarium sacchari</i> 2141 |
| 46 <i>Metarhizium robertsii</i> 4241 | 506 <i>Metarhizium brunneum</i> 4556 | 10 <i>Fusarium sacchari</i> 2145 |
| 460 <i>Beauveria australis</i> 4580 | 507 <i>Metarhizium anisopliae</i> sensu lato 4777 | 3 <i>Fusarium sacchari</i> 2142 |
| | 508 <i>Metarhizium brunneum</i> 4681 | 8 <i>Fusarium sacchari</i> 2143 |
| | 510 <i>Metarhizium anisopliae</i> sensu lato 4568 | 9 <i>Fusarium subglutinans</i> 2144 |
| | 511 <i>Metarhizium anisopliae</i> sensu lato 4778 | |

de Barros, Neiva M.
A485 *Metarhizium rileyi* 2202

de Fine Licht, Henrik Hjarvard
200913-01 *Entomophthora muscae* 12524
260813-01 *Entomophthora schizophorae* 12523

de Moura, Edmar C.

- H-10 *Hirsutella* sp. 2649
- H-10 *Hirsutella* sp. 2992
- H-11 *Hirsutella* sp. 2650
- H-11 *Hirsutella guyana* 2993

deBarjac, H.

- 1 *Candida* sp. 1924
- 4 *Candida* sp. 1925
- 5 *Candida* sp. 1926

Delalibera Junior, Italo

- AB 10,11 *Neozygites floridana*(?) 6219
- AC 16 *Neozygites floridana*(?) 6220
- L 13 *Neozygites floridana*(?) 6221

Demirbag, Zihni

- As1 *Metarhizium* sp. 11668
- As10 *Fusarium* sp. 11677
- As11 *Clonostachys rosea* 11678
- As12 *Fusarium* sp. 11679
- As13 *Fusarium* sp. 11680
- As14 *Penicillium* sp. 11681
- As15 *Clonostachys rosea* 11682
- As16 *Penicillium* sp. 11683
- As17 *Fusarium* sp. 11684
- As18 *Metarhizium* sp. 11685
- As19 *Metarhizium* sp. 11686
- As2 *Metarhizium* sp. 11669
- As20 *Clonostachys rosea* 11687
- As3 *Fusarium* sp. 11670
- As4 *Fusarium* sp. 11671
- As5 *Fusarium* sp. 11672
- As6 *Fusarium* sp. 11673
- As7 *Fusarium* sp. 11674
- As8 *Fusarium* sp. 11675
- As9 *Mixed Culture* sp. 11676
- Gg1 *Beauveria bassiana* 11688
- Gg10 *Fusarium* sp. 11697
- Gg11 *Myriodontium keratinophilum* 11698
- Gg12 *Clonostachys rosea* 11699
- Gg13 *Clonostachys rosea* 11700
- Gg14 *Clonostachys rosea* 11701
- Gg15 *Clonostachys rosea* 11702
- Gg2 *Clonostachys rosea* 11689
- Gg3 *Clonostachys rosea* 11690
- Gg4 *Clonostachys rosea* 11691
- Gg5 *Clonostachys rosea* 11692
- Gg6 *Sterile mycelium* 11693
- Gg7 *Metarhizium anisopliae* sensu lato 11694
- Gg8 *Clonostachys rosea* 11695
- Gg9 *Lecanicillium* sp. 11696
- KTU-1 *Isaria fumosorosea* 8333
- KTU-10 *Metarhizium anisopliae* sensu lato 8342
- KTU-11 *Beauveria bassiana* 8343
- KTU-12 *Metarhizium anisopliae* sensu lato 8344
- KTU-13 *Isaria fumosorosea* 8345
- KTU-14 *Metarhizium anisopliae* sensu lato 8346
- KTU-15 *Metarhizium anisopliae* sensu lato 8347
- KTU-16 *Isaria fumosorosea* 8348
- KTU-17 *Beauveria bassiana* 8349

- KTU-18 *Metarhizium anisopliae* sensu lato 8350
- KTU-19 *Metarhizium anisopliae* sensu lato 8351
- KTU-2 *Metarhizium anisopliae* sensu lato 8334
- KTU-20 *Metarhizium anisopliae* sensu lato 8352
- KTU-21 *Metarhizium anisopliae* sensu lato 8353
- KTU-22 *Beauveria bassiana* 8354
- KTU-23 *Beauveria bassiana* 8355
- KTU-24 *Beauveria bassiana* 8356
- KTU-25 *Beauveria bassiana* 8431
- KTU-26 *Metarhizium anisopliae* sensu lato 8432
- KTU-27 *Metarhizium anisopliae* sensu lato 8433
- KTU-28 *Metarhizium anisopliae* sensu lato 8434
- KTU-29 *Metarhizium anisopliae* sensu lato 8435
- KTU-3 *Metarhizium anisopliae* sensu lato 8335
- KTU-30 *Metarhizium anisopliae* sensu lato 8436
- KTU-31 *Metarhizium anisopliae* sensu lato 8437
- KTU-32 *Metarhizium anisopliae* sensu lato 8438
- KTU-33 *Evlachovaea* sp. 8439
- KTU-34 *Metarhizium anisopliae* sensu lato 8440
- KTU-35 *Evlachovaea* sp. 8441
- KTU-36 *Evlachovaea* sp. 8442
- KTU-37 *Metarhizium anisopliae* sensu lato 8443
- KTU-38 *Beauveria bassiana* 8444
- KTU-39 *Metarhizium anisopliae* sensu lato 8445
- KTU-4 *Metarhizium anisopliae* sensu lato 8336
- KTU-40 *Metarhizium anisopliae* sensu lato 8446
- KTU-41 *Metarhizium anisopliae* sensu lato 8447
- KTU-42 *Isaria fumosorosea* 8448
- KTU-43 *Evlachovaea* sp. 8449
- KTU-44 *Metarhizium anisopliae* sensu lato 8450
- KTU-45 *Metarhizium anisopliae* sensu lato 8451
- KTU-46 *Metarhizium anisopliae* sensu lato 8452
- KTU-47 *Metarhizium anisopliae* sensu lato 8453
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- KTU-50 *Beauveria bassiana* 8661
- KTU-51 *Metarhizium anisopliae* sensu lato 8662
- KTU-52 *Beauveria bassiana* 8663
- KTU-53 *Beauveria bassiana* 8664

- KTU-54 *Metarhizium anisopliae* sensu lato 8665
- KTU-55 *Beauveria bassiana* 8666
- KTU-56 *Beauveria bassiana* 8667
- KTU-57 *Beauveria bassiana* 8668
- KTU-58 *Metarhizium anisopliae* sensu lato 8669
- KTU-59 *Beauveria bassiana* 8670
- KTU-6 *Metarhizium anisopliae* sensu lato 8338
- KTU-60 *Metarhizium brunneum* 8671
- KTU-61 *Beauveria bassiana* 8672
- KTU-62 *Beauveria bassiana* 8673
- KTU-63 *Beauveria bassiana* 8674
- KTU-64 *Beauveria* sp. 8675
- KTU-7 *Beauveria bassiana* 8339
- KTU-8 *Beauveria bassiana* 8340
- KTU-9 *Metarhizium anisopliae* sensu lato 8341

Descals, E.

- C-1756-4 *Erynia rhizospora* 1442

Deseö, Katlin V.

- 10 *Beauveria bassiana* 1104
- 101 *Isaria fumosorosea* 1568
- 103 *Beauveria bassiana* 1564
- 104 *Isaria fumosorosea* 1577
- 107 *Isaria fumosorosea* 1569
- 108 *Isaria fumosorosea* 1578
- 109 *Beauveria pseudobassiana* 1565
- 110 *Isaria fumosorosea* 1579
- 17 *Beauveria bassiana* 1105
- 25 *Beauveria bassiana* 1106
- 26 *Beauveria bassiana* 1107
- 27 *Isaria farinosa* 1108
- 29 *Lecanicillium lecanii*(?) 1109
- 31 *Beauveria bassiana* 1110
- 32A *Isaria farinosa* 1111
- 32B *Metarhizium brunneum* 1112
- 38 *Beauveria bassiana* 1113
- 39 *Beauveria bassiana* 1114
- 40A *Beauveria bassiana* 1115
- 40B *Metarhizium brunneum* 1116
- 41 *Beauveria bassiana* 1117
- 45 *Beauveria bassiana* 1118
- 47 *Beauveria bassiana* 1119
- 6 *Lecanicillium muscarium* 1102
- 72 *Metarhizium robertsii* 1120
- 8 *Beauveria bassiana* 1103
- 8 *Beauveria bassiana* 1558
- 81 *Beauveria bassiana* 1121
- 83 *Beauveria bassiana* 1122
- 88 *Beauveria bassiana* 1559
- 89 *Beauveria bassiana* 1560
- 90 *Beauveria bassiana* 1561
- 91 *Beauveria bassiana* 1562
- 92 *Beauveria bassiana* 1563
- 93 *Evlachovaea* sp. 1576

Alternate Collections

Devi, K. Uma

4U *Beauveria bassiana* 6643
5U *Beauveria bassiana* 6644
GIV *Metarhizium rileyi* 6645
KB5 *Beauveria bassiana* 6646
LOCAL/PIV *Beauveria bassiana* 6648
LOCAL/UAS *Beauveria bassiana* 6647
PIV *Fusarium proliferatum* 6649
PIV *Beauveria bassiana* 6650

Donzelli, Bruno D.

SS#1 *Metarhizium robertsii* 8820

Dromph, Karsten

KVL 633 *Pandora neoaphidis* 6166

Dubois, Thomas L.

FS 3 # 1 (3) *Metarhizium anisopliae*
sensu lato 6388
HF 2 c 1 *Beauveria bassiana* 6390
SS 1 # 2 (1) *Metarhizium anisopliae*
sensu lato 6389
ST 1 # 1 (1) *Beauveria bassiana* 6391
T7 (2) (2) *Beauveria bassiana* 6387
VD 12 rep b *Beauveria bassiana* 6393
VD 5 rep b *Metarhizium brunneum* 6392
WU 20 (2) *Beauveria amorpha*(?) 6827

Duetting, Patrick S.

G1 *Pandora neoaphidis* 6631

Dutzler, G.

21 *Tolypocladium cylindrosporum* 3392
94 *Tolypocladium inflatum* 3433

Earth BioScience, Inc.

F52 *Metarhizium brunneum* 7711

EcoScience Corporation

32-51 *Isaria farinosa* 2937

Eilenberg, Jørgen

KVL 1 *Entomophthora schizophorae*
2540
KVL 11 *Conidiobolus pseudapiculatus*
2496
KVL 12 *Zoophthora anglica* 2505
KVL 13 *Entomophthora schizophorae*
2667
KVL 14 *Erynia* sp. 2495
KVL 15 *Conidiobolus* sp. 2494
KVL 16 *Entomophthora muscae* 2668
KVL 17 *Entomophthora muscae* 2678
KVL 18 *Erynia* sp. 2536
KVL 19 *Erynia* sp. 2553
KVL 2 *Entomophthora schizophorae*
2541
KVL 20 *Erynia* sp. 2538
KVL 21 *Conidiobolus pseudapiculatus*
2497
KVL 22 *Erynia* sp. 2539
KVL 23 *Erynia* sp. 2537
KVL 24 *Conidiobolus pseudapiculatus*
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 2087 *Myriangium* sp. 11854
 2088 *Myriangium* sp. 11855
 2089 *Myriangium* sp. 11856
 209 *Metarhizium anisopliae* sensu lato 8781
 2090 *Myriangium* sp. 11857
 2091 *Myriangium* sp. 11858
 210 *Metarhizium anisopliae* sensu lato 8944
 2102 *Beauveria bassiana* 12023
 2103 *Beauveria bassiana* 12024
 2104 *Beauveria bassiana* 12025
 2105 *Beauveria bassiana* 12026
 2106 Unidentified / Hyphomycetes 12027
 2107 Unidentified / Hyphomycetes 12028
 2108 Unidentified / Hyphomycetes 12029
 2109 Unidentified / Hyphomycetes 12030
 211 *Metarhizium anisopliae* sensu lato 8782
 2110 Unidentified / Hyphomycetes 12031
 2111 *Fusarium* sp. 12032
 2112 *Fusarium* sp. 12033
 2113 *Fusarium* sp. 12034
 2114 *Fusarium* sp. 12035
 2115 *Fusarium* sp. 12036
 2116 *Fusarium* sp. 12037
 2117 *Fusarium* sp. 12038
 2118 *Fusarium* sp. 12039
 2119 *Fusarium* sp. 12040
 212 *Metarhizium anisopliae* sensu lato 8945
 2121 Unidentified / Hyphomycetes 12041
 2122 Unidentified / Hyphomycetes 12042
 2124 Unidentified / Hyphomycetes 12043
 2125 Unidentified / Hyphomycetes 12044
 2126 Unidentified / Hyphomycetes 12045
 2129 *Cladosporium* sp. 12046
 213 *Purpureocillium lilacinum* 8919
 2132 Unidentified / Hyphomycetes 12047
 2133 *Penicillium* sp. 12048
 2134 *Penicillium* sp. 12049
 2136 *Aspergillus* sp. 12050
 2137 *Aspergillus* sp. 12051
 2139 *Lecanicillium* sp. 12052
 2140 *Lecanicillium muscarium* 12053
 2141 *Lecanicillium* sp. 12054
 2142 *Lecanicillium* sp. 12055
 2143 *Lecanicillium* sp. 12056
 2144 *Lecanicillium* sp. 12057
 2145 *Lecanicillium* sp. 12058
 2146 *Lecanicillium* sp. 12059
 2147 *Lecanicillium* sp. 12060
 2148 *Lecanicillium* sp. 12061
 2149 *Lecanicillium* sp. 12062
 215 *Metarhizium anisopliae* sensu lato 8783
 2150 *Lecanicillium* sp. 12063
 2151 *Lecanicillium* sp. 12064
 2152 *Lecanicillium* sp. 12065
 2153 *Lecanicillium* sp. 12066
 2154 *Lecanicillium* sp. 12067
 2155 *Lecanicillium* sp. 12068
 2156 *Lecanicillium* sp. 12069
 2157 *Lecanicillium* sp. 12070
 2158 *Lecanicillium* sp. 12071
 2159 *Fusarium* sp. 12072
 216 *Metarhizium anisopliae* sensu lato 8784
 2160 *Fusarium* sp. 12073
 2161 *Fusarium* sp. 12074
 2162 *Fusarium* sp. 12075
 2163 *Fusarium* sp. 12076
 2164 *Fusarium* sp. 12077
 2165 *Fusarium* sp. 12078
 2166 *Fusarium* sp. 12079
 2167 *Rhinoctadiella*(?) sp. 12080
 2168 *Rhinoctadiella*(?) sp. 12081
 2169 *Rhinoctadiella*(?) sp. 12082
 217 *Metarhizium anisopliae* sensu lato 8946
 2170 *Colletotrichum* sp. 12083
 2171 *Fusarium* sp. 12084

2172 Unidentified / Hyphomycetes 12085	254 <i>Metarhizium anisopliae</i> sensu lato 8899	342 <i>Metarhizium anisopliae</i> sensu lato 8871
2173 Unidentified / Hyphomycetes 12086	256 <i>Metarhizium anisopliae</i> sensu lato 8900	343 <i>Metarhizium anisopliae</i> sensu lato 8872
2174 Unidentified / Hyphomycetes 12087	258 <i>Metarhizium anisopliae</i> sensu lato 8901	345 <i>Metarhizium anisopliae</i> sensu lato 8873
2175 Unidentified / Hyphomycetes 12088	259 <i>Metarhizium anisopliae</i> sensu lato 8902	346 <i>Metarhizium anisopliae</i> sensu lato 8955
2176 <i>Lecanicillium</i> sp. 12089	260 <i>Metarhizium anisopliae</i> sensu lato 8949	347 <i>Metarhizium anisopliae</i> sensu lato 8874
2177 Unidentified / Hyphomycetes 12090	264 <i>Scopulariopsis</i> sp. 11652	348 <i>Metarhizium anisopliae</i> sensu lato 8875
218 <i>Metarhizium anisopliae</i> sensu lato 8785	265 <i>Metarhizium anisopliae</i> sensu lato 8903	349 <i>Metarhizium anisopliae</i> sensu lato 8876
220 <i>Metarhizium anisopliae</i> sensu lato 8786	267 <i>Purpureocillium lilacinum</i> 8920	350 <i>Metarhizium anisopliae</i> sensu lato 8877
221 <i>Metarhizium anisopliae</i> sensu lato 8787	268 <i>Purpureocillium lilacinum</i> 8921	352 <i>Metarhizium anisopliae</i> sensu lato 8878
222 <i>Metarhizium anisopliae</i> sensu lato 8788	270 <i>Metarhizium anisopliae</i> sensu lato 8904	353 <i>Metarhizium anisopliae</i> sensu lato 8879
223 <i>Metarhizium anisopliae</i> sensu lato 8789	273 <i>Metarhizium anisopliae</i> sensu lato 8905	354 <i>Metarhizium anisopliae</i> sensu lato 8880
224 <i>Metarhizium anisopliae</i> sensu lato 8790	276 <i>Metarhizium anisopliae</i> sensu lato 9235	355 <i>Metarhizium anisopliae</i> sensu lato 8881
225 <i>Metarhizium anisopliae</i> sensu lato 8791	277 <i>Metarhizium anisopliae</i> sensu lato 8906	356 <i>Metarhizium anisopliae</i> sensu lato 8882
227 <i>Metarhizium anisopliae</i> sensu lato 8792	280 <i>Purpureocillium lilacinum</i> 8922	357 <i>Metarhizium anisopliae</i> sensu lato 8883
228 <i>Metarhizium anisopliae</i> sensu lato 8793	281 <i>Lecanicillium muscarium</i> 8923	358 <i>Metarhizium anisopliae</i> sensu lato 8884
229 <i>Metarhizium anisopliae</i> sensu lato 8794	283 <i>Metarhizium anisopliae</i> sensu lato 8907	359 <i>Metarhizium anisopliae</i> sensu lato 8885
230 <i>Metarhizium anisopliae</i> sensu lato 8858	284 <i>Metarhizium anisopliae</i> sensu lato 8908	360 <i>Metarhizium anisopliae</i> sensu lato 8886
231 <i>Metarhizium anisopliae</i> sensu lato 8859	285 <i>Metarhizium anisopliae</i> sensu lato 8950	361 <i>Metarhizium anisopliae</i> sensu lato 8887
232 <i>Metarhizium anisopliae</i> sensu lato 8947	286 <i>Metarhizium anisopliae</i> sensu lato 8909	362 <i>Metarhizium anisopliae</i> sensu lato 8912
233 <i>Metarhizium anisopliae</i> sensu lato 8948	287 <i>Metarhizium anisopliae</i> sensu lato 8910	363 <i>Metarhizium anisopliae</i> sensu lato 8913
234 <i>Metarhizium anisopliae</i> sensu lato 8860	288 <i>Metarhizium anisopliae</i> sensu lato 8911	364 <i>Metarhizium anisopliae</i> sensu lato 8914
235 <i>Metarhizium anisopliae</i> sensu lato 8861	324 <i>Verticillium lecanii</i> 5786	365 <i>Metarhizium anisopliae</i> sensu lato 8915
236 <i>Metarhizium anisopliae</i> sensu lato 8862	327 <i>Beauveria bassiana</i> 10350	366 <i>Metarhizium anisopliae</i> sensu lato 8916
237 <i>Metarhizium anisopliae</i> sensu lato 8863	328 <i>Metarhizium anisopliae</i> sensu lato 9236	390 <i>Isaria</i> sp. 10363
238 <i>Metarhizium anisopliae</i> sensu lato 8864	329 <i>Metarhizium anisopliae</i> sensu lato 8795	391 <i>Isaria</i> sp. 10364
239 <i>Metarhizium anisopliae</i> sensu lato 8865	329 <i>Metarhizium anisopliae</i> sensu lato 8951	392 <i>Isaria</i> sp. 10365
240 <i>Metarhizium anisopliae</i> sensu lato 8866	330 <i>Metarhizium anisopliae</i> sensu lato 8796	393 <i>Isaria</i> sp. 10366
241 <i>Metarhizium anisopliae</i> sensu lato 8867	331 <i>Metarhizium anisopliae</i> sensu lato 8797	394 <i>Isaria</i> sp. 10367
246 <i>Metarhizium anisopliae</i> sensu lato 8894	333 <i>Metarhizium anisopliae</i> sensu lato 8798	395 <i>Isaria</i> sp. 10368
247 <i>Metarhizium anisopliae</i> sensu lato 8895	334 <i>Metarhizium anisopliae</i> sensu lato 8799	396 <i>Isaria</i> sp. 10369
248 <i>Metarhizium anisopliae</i> sensu lato 8896	335 <i>Metarhizium anisopliae</i> sensu lato 8952	397 <i>Isaria</i> sp. 10370
249 <i>Metarhizium anisopliae</i> sensu lato 8897	336 <i>Metarhizium anisopliae</i> sensu lato 8953	398 <i>Isaria</i> sp. 10371
251 <i>Metarhizium anisopliae</i> sensu lato 8898	337 <i>Metarhizium anisopliae</i> sensu lato 8868	399 <i>Isaria</i> sp. 10372
253 <i>Isaria farinosa</i> 8917	338 <i>Metarhizium anisopliae</i> sensu lato 8869	400 <i>Isaria</i> sp. 10373
	340 <i>Metarhizium anisopliae</i> sensu lato 8870	401 <i>Isaria</i> sp. 10374
	341 <i>Metarhizium anisopliae</i> sensu lato 8954	402 <i>Isaria</i> sp. 10375
		403 <i>Isaria</i> sp. 10376
		404 <i>Isaria</i> sp. 10377
		418 <i>Beauveria bassiana</i> 6016
		48 <i>Isaria</i> sp. 11629
		487 <i>Beauveria bassiana</i> 10351
		49 <i>Metarhizium anisopliae</i> sensu lato 11637

- 499 *Beauveria bassiana* 8932
 516 *Beauveria bassiana* 11618
 519 *Beauveria bassiana* 11619
 527 *Isaria* sp. 10378
 53 *Beauveria bassiana* 11613
 533 *Beauveria bassiana* 10352
 536 *Beauveria bassiana* 10353
 537 *Beauveria bassiana* 10354
 538 *Beauveria bassiana* 10355
 539 *Beauveria bassiana* 10356
 540 *Isaria* sp. 10379
 543 *Beauveria bassiana* 10357
 546 *Isaria* sp. 11631
 548 *Isaria* sp. 10380
 549 *Isaria* sp. 10381
 553 *Beauveria bassiana* 10358
 554 *Isaria* sp. 10382
 555 *Isaria* sp. 11632
 556 *Isaria* sp. 10383
 557 *Beauveria bassiana* 10359
 558 *Isaria* sp. 10360
 559 *Isaria* sp. 11633
 560 *Isaria* sp. 11634
 561 *Isaria* sp. 10384
 563 *Beauveria bassiana* 10361
 564 *Isaria* sp. 11635
 565 *Isaria* sp. 11636
 566 *Beauveria bassiana* 10362
 567 *Beauveria bassiana* 11620
 57 *Beauveria bassiana* 11614
 571 *Isaria* sp. 10385
 58 *Beauveria bassiana* 11615
 580 *Lecanicillium* sp. 11639
 582 *Conidiobolus coronatus* 11651
 583 *Lecanicillium* sp. 11640
 584 *Lecanicillium* sp. 11641
 585 *Lecanicillium* sp. 11642
 586 *Lecanicillium* sp. 11643
 587 *Lecanicillium* sp. 11644
 588 *Purpureocillium lilacinum* 10127
 588 *Lecanicillium* sp. 11645
 589 *Lecanicillium* sp. 11646
 59 *Beauveria bassiana* 11616
 590 *Lecanicillium* sp. 11647
 591 *Lecanicillium* sp. 11648
 593 *Beauveria bassiana* 11621
 595 *Beauveria bassiana* 11622
 597 *Beauveria bassiana* 11623
 600 *Beauveria bassiana* 11624
 601 *Beauveria bassiana* 11625
 602 *Beauveria bassiana* 11626
 605 *Beauveria bassiana* 11627
 606 *Isaria* sp. 11628
 618 *Geotrichum* sp. 11653
 619 *Geotrichum* sp. 11654
 620 *Lecanicillium* sp. 11649
 627 *Lecanicillium* sp. 11638
 63 *Beauveria bassiana* 11617
 650 *Beauveria bassiana* 8958
 651 *Beauveria bassiana* 8959
 652 *Beauveria bassiana* 8960
 653 *Beauveria bassiana* 8961
 654 *Beauveria bassiana* 8962
 654 *Beauveria bassiana* 9219
 655 *Beauveria bassiana* 8963
 656 *Beauveria bassiana* 8964
 657 *Beauveria bassiana* 9220
 658 *Beauveria bassiana* 8965
 659 *Beauveria bassiana* 8966
 660 *Beauveria bassiana* 8967
 661 *Beauveria bassiana* 8968
 662 *Beauveria bassiana* 8969
 663 *Beauveria bassiana* 8970
 664 *Beauveria bassiana* 8971
 665 *Beauveria bassiana* 8972
 666 *Beauveria bassiana* 8973
 667 *Beauveria bassiana* 8974
 668 *Beauveria bassiana* 8975
 669 *Beauveria bassiana* 8976
 670 *Beauveria bassiana* 8977
 671 *Beauveria bassiana* 8978
 672 *Beauveria bassiana* 8979
 673 *Beauveria bassiana* 8980
 674 *Beauveria bassiana* 8981
 675 *Beauveria bassiana* 8982
 676 *Beauveria bassiana* 8983
 677 *Beauveria bassiana* 8933
 678 *Beauveria bassiana* 8934
 679 *Beauveria bassiana* 8935
 680 *Beauveria bassiana* 8936
 681 *Beauveria bassiana* 8937
 682 *Beauveria bassiana* 8938
 683 *Beauveria bassiana* 8939
 684 *Beauveria bassiana* 8940
 685 *Metarhizium anisopliae* sensu lato
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 686 *Metarhizium anisopliae* sensu lato
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 688 *Purpureocillium lilacinum* 9238
 689 *Purpureocillium lilacinum* 10128
 738 *Metarhizium anisopliae* sensu lato
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 739 *Metarhizium anisopliae* sensu lato
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 740 *Metarhizium anisopliae* sensu lato
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 741 *Metarhizium anisopliae* sensu lato
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 742 *Metarhizium anisopliae* sensu lato
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 743 *Metarhizium anisopliae* sensu lato
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 744 *Metarhizium anisopliae* sensu lato
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 745 *Metarhizium anisopliae* sensu lato
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 746 *Metarhizium anisopliae* sensu lato
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 747 *Metarhizium anisopliae* sensu lato
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 748 *Metarhizium anisopliae* sensu lato
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 749 *Metarhizium anisopliae* sensu lato
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 750 *Metarhizium anisopliae* sensu lato
 9162
 751 *Lecanicillium* sp. 9163
 757 *Evlachovaea* sp. 9164
 759 *Evlachovaea* sp. 9165
 760 *Evlachovaea* sp. 9166
 761 *Evlachovaea* sp. 9167
 762 *Evlachovaea* sp. 9168
 763 *Evlachovaea* sp. 9169
 764 *Evlachovaea* sp. 9170
 765 *Evlachovaea* sp. 9171
 766 *Evlachovaea* sp. 9172
 767 *Evlachovaea* sp. 9173
 768 *Evlachovaea* sp. 9174
 769 *Evlachovaea* sp. 9185
 770 *Evlachovaea* sp. 9186
 771 *Evlachovaea* sp. 9237
 772 *Evlachovaea* sp. 9187
 773 *Evlachovaea* sp. 9188
 774 *Evlachovaea* sp. 9189
 776 *Evlachovaea* sp. 9190
 777 *Evlachovaea* sp. 9191
 778 *Evlachovaea* sp. 9192
 779 *Beauveria bassiana* 9193
 780 *Beauveria bassiana* 9194
 781 *Beauveria bassiana* 9195
 782 *Beauveria bassiana* 9196
 783 *Beauveria bassiana* 9197
 784 *Beauveria bassiana* 9198
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 786 *Beauveria bassiana* 10186
 787 *Beauveria bassiana* 9200
 788 *Beauveria bassiana* 9201
 789 *Beauveria bassiana* 9202
 790 *Beauveria bassiana* 9203
 791 *Beauveria bassiana* 9204
 792 *Beauveria bassiana* 9205
 793 *Beauveria bassiana* 9206
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 795 *Beauveria bassiana* 9208
 796 *Beauveria bassiana* 9209
 797 *Beauveria bassiana* 9210
 798 *Beauveria bassiana* 9211
 799 *Beauveria bassiana* 9212
 800 *Beauveria bassiana* 9213
 801 *Beauveria bassiana* 9221
 802 *Beauveria bassiana* 9214
 803 *Beauveria bassiana* 9215
 804 *Beauveria bassiana* 9216
 805 *Beauveria bassiana* 9222
 806 *Beauveria bassiana* 9223
 807 *Beauveria bassiana* 9224
 808 *Beauveria bassiana* 9225
 809 *Beauveria bassiana* 9226
 810 *Beauveria bassiana* 9227
 811 *Beauveria bassiana* 9228
 812 *Beauveria bassiana* 9229
 813 *Beauveria bassiana* 9230
 814 *Beauveria bassiana* 9231
 815 *Beauveria bassiana* 9232
 816 *Beauveria bassiana* 9233
 817 *Beauveria bassiana* 9234
 818 *Purpureocillium lilacinum* 9239
 819 *Purpureocillium lilacinum* 10129
 820 *Purpureocillium lilacinum* 10130
 821 *Purpureocillium lilacinum* 9240

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 TR-02 *Simplicillium lamellicola* 11728
 TR-03 *Simplicillium lamellicola* 11729
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 TR-05 *Lecanicillium muscarium* 11731
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 TR-07 *Lecanicillium muscarium* 11733
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 TR-11 *Simplicillium lamellicola* 11737
 TR-12 *Simplicillium lamellicola*(?) 11738
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 TR-14 *Simplicillium lamellicola*(?) 11740
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 TR-55-2 Unidentified / Hyphomycetes 12164
 TR-55-3 *Beauveria bassiana* 12165
 TR-55-4 *Isaria cateniannulata*(?) 12166
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 TR-55-6 *Beauveria* sp. 12168
 TR-55-7 *Beauveria* sp. 12169
 TR-78-1 Unidentified / Hyphomycetes 12171
 TR-78-10 Unidentified / Hyphomycetes 12180
 TR-78-11 Unidentified / Hyphomycetes 12181
 TR-78-2 *Isaria fumosorosea* 12172
 TR-78-3 *Isaria fumosorosea* 12173
 TR-78-4 *Isaria fumosorosea* 12174
 TR-78-5 *Isaria fumosorosea* 12175
 TR-78-6 Unidentified / Hyphomycetes 12176
 TR-78-7 *Isaria fumosorosea* 12177
 TR-78-8 Unidentified / Hyphomycetes 12178
 TR-78-9 Unidentified / Hyphomycetes 12179

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447 *Beauveria bassiana* 2404
 478 *Beauveria bassiana* 2401
 483 *Beauveria bassiana* 2402
 484 *Beauveria bassiana* 2403

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447 *Beauveria bassiana* 2722
 479 *Beauveria bassiana* 2723

Evans, Harry C.

HE96-1013 *Verticillium pseudo-hemipterigenum* 5687
 I03-1242 *Regiocrella camerunensis* 7682
 I85-12 *Metarhizium album* 2082
 I85-87 *Metarhizium album* 2081
 I86-174 *Torrubiella* sp. 7673
 I86-280 *Hirsutella versicolor* 4512
 I88-370 *Hirsutella* sp. 4513
 I88-375 *Hirsutella* sp. 4515

I88-399 *Hirsutella* sp. 4514
 I89-490 *Aschersonia viridans* 7674
 I91-598 *Aschersonia turbinata* 7675
 I91-602 *Hirsutella cryptosclerotium* 4517
 I92-788 *Torrubiella*(?) sp. 7658
 I93-805 *Hypocrella amazonica* 7680
 I93-807 *Aschersonia aleyrodinis* 7677
 I93-813 *Aschersonia cubensis* 7676
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 I93-901b *Aschersonia placenta* 7661
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 I93-901d *Hypocrella discoidea* 7663
 I93-902 *Hypocrella* sp. 7664
 I93-903 *Clavicipitaceae* anamorph 7665
 I94-908 *Aschersonia aleyrodinis* 7666
 I94-916 *Ophiocordyceps bisporus* 4518
 I94-920 *Hypocrella amazonica* 7667
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 I95-958 *Aschersonia cubensis* 7671
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 Ro 596 *Beauveria caledonica* 2251

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 PPDRI 3 *Isaria farinosa* 6288
 PPDRI 4 *Lecanicillium lecanii*(?) 6289
 PPDRI 5 *Verticillium lecanii* 6290
 PPDRI 6 *Verticillium lecanii* 6291

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DN8701 *Lecanicillium muscarium* 2878
 DN8801 *Lecanicillium muscarium* 2862
 DN8802 *Lecanicillium muscarium* 2877
 DN8803 *Beauveria bassiana* 2861
 DN8804 *Beauveria bassiana* 2864
 DN8805 *Beauveria bassiana* 2879
 DN8806 *Beauveria bassiana* 2882
 F95125 *Pandora delphacis* 6538
 F95129 *Pandora delphacis* 6539
 MD8901 *Zoophthora radicans* 2811
 MD8902 *Conidiobolus thromboides* 2849
 MD8903 *Conidiobolus thromboides* 2828
 MD8904 *Conidiobolus coronatus* 2812
 MD8905 *Conidiobolus coronatus* 2813
 MD8906 *Conidiobolus coronatus* 2814
 MD8907 *Conidiobolus thromboides* 2829
 MD8908 *Conidiobolus thromboides* 2850
 MD8930 *Pandora neoaphidis* 2874
 MD8931 *Pandora neoaphidis* 2875
 MD8932 *Pandora neoaphidis* 2876
 ME8701 *Lecanicillium muscarium* 2858
 MTMD9002 *Conidiobolus obscurus* 3092
 MTRM9001 *Batkoa apiculata* 3088
 MTRM9002 *Conidiobolus obscurus* 3089
 MTRM9003 *Conidiobolus obscurus* 3090
 MTRM9004 *Batkoa apiculata* 3091
 RP8601 *Fusarium proliferatum* 2337
 SA8601 *Lecanicillium psalliotae* 2332
 SA8602 *Fusarium* sp. 2333
 SA8701 *Verticillium lecanii* 2859
 SA8801 *Stachybotrys* sp. 2863

SAVL8602 *Lecanicillium muscarium* 2334
 SG8701 *Beauveria bassiana* 2880
 SG8702 *Beauveria bassiana* 2860
 SG8801 *Beauveria bassiana* 2881
 SGBB8601 *Beauveria bassiana* 2336
 SGBB8601 *Beauveria bassiana* 2883
 ZJU0603 *Pandora nouryi* 8930
 ZJU0604 *Pandora nouryi* 8931

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 FCI-7744 *Beauveria bassiana* 7795

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6 *Beauveria brongniartii* 617

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1028 *Metarhizium acridum* 3391

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 MD97 S1-1 *Furia gastropachae* 5545
 MD97 S1-2 *Furia gastropachae* 5546
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Firstencel, Heidi

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FPMI 713 *Furia gastropachae* 5869
 FPMI 922-1a *Furia gastropachae* 5870
 FPMI 922-2a *Furia gastropachae* 5871
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 RF-2 *Beauveria bassiana* 2270
 RF-3 *Beauveria brongniartii* 2271

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 458 *Entomophaga aulicae* 1991
 487 *Zoophthora radicans* 72
 491 *Entomophaga aulicae* 1990
 513 *Entomophaga aulicae* 2000
 521 *Entomophaga aulicae* 2896
 576 *Entomophaga aulicae* 1999
 597 *Entomophaga aulicae* 2902
 598 *Entomophaga aulicae* 2903
 600 *Entomophaga aulicae* 2904
 602 *Entomophaga aulicae* 2905
 625 *Entomophaga macleodii* 376
 626 *Entomophaga aulicae* 2897
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 647 *Entomophaga macleodii* 375
 655 *Zoophthora radicans* 407

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687 *Zoophthora radicans* 141
688 *Zoophthora radicans* 68
695 *Conidiobolus osmodes* 79
696 *Zoophthora radicans* 13
697 *Zoophthora radicans* 44
698 *Zoophthora radicans* 50
700 *Zoophthora radicans* 75
701 *Zoophthora radicans* 103
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708 *Lecanicillium muscarium* 1102
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753 *Metarhizium rileyi* 380
754 *Metarhizium rileyi* 1047
755 *Hirsutella longicolla* var. *cornuta* 177
756 *Hirsutella longicolla* var. *cornuta* 178
757 *Paecilomyces canadensis* 984
758 *Paecilomyces canadensis* 990
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760 *Isaria farinosa* 697
767 *Entomophaga australiensis* 328
768 *Batkoa gigantea* 403
770 *Entomophaga* sp. 393
771 *Entomophaga aulicae* 1993
776 *Entomophaga aulicae* 1994
777 *Entomophaga aulicae* 1995
877 *Entomophaga aulicae* 1998
889 *Entomophaga aulicae* 1992
893 *Entomophaga aulicae* 2900
894 *Entomophaga aulicae* 1997
934 *Entomophaga aulicae* 2901
951 *Zoophthora phytonomi* 113
952 *Entomophaga maimaiga* 1400
961 *Isaria fumosorosea* 3824
963 *Entomophaga maimaiga* 1391
964 *Entomophaga maimaiga* 1392

Frances, Stephen P.

LAG *Lagenidium giganteum* 2529
MALANDA1 *Lagenidium giganteum* 2530

MI11 *Culicinomyces clavisporus* 2475
MI14 *Culicinomyces clavisporus* 2526
MI16 *Culicinomyces clavisporus* 2527
MI17 *Culicinomyces clavisporus* 2476
MI19 *Culicinomyces clavisporus* 2477
MI2 *Culicinomyces clavisporus* 2471
MI21 *Culicinomyces clavisporus* 2478
MI26 *Culicinomyces clavisporus* 2622
MI4 *Culicinomyces clavisporus* 2472
MI5 *Culicinomyces clavisporus* 2473
MI7 *Culicinomyces clavisporus* 2474
MILLAA1 *Lagenidium giganteum* 2531
MILLAA2 *Lagenidium giganteum* 2532
MM1 *Culicinomyces bisporalis* 1948
MM2 *Culicinomyces bisporalis* 1949
QI1 *Culicinomyces clavisporus* 2480
QI2 *Culicinomyces clavisporus* 2481

VII *Culicinomyces clavisporus* 2479

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ETH 16c *Entomophthora planchoniana* 6252
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ETH 603 *Entomophthora thripidum* 6518
ETH 604 *Entomophthora thripidum* 6519
ETH 605 *Entomophthora thripidum* 6520
ETH 606 *Entomophthora thripidum* 6525
ETH 607 *Entomophthora thripidum* 6521
ETH 608 *Entomophthora thripidum* 6522

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4834 *Metarhizium anisopliae* sensu lato 8759

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ARC 6 *Beauveria bassiana* 6922
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Fuller, Claire A.

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#1 CB4BP all *Aspergillus niger* 7798
#1 Cruz7UP cut *Aspergillus niger* 7797
#1b HH39P cut *Aspergillus niger* 7799
#6b V29UP all *Myrothecium* sp. 7804
#8 HH23P all Unidentified / Hyphomycetes 7802
#8 V29UP all *Paecilomyces* sp. 7803
#8b HH23P all *Paecilomyces* sp. 7801

Fuxa, James R.

G-6170 *Metarhizium anisopliae* sensu lato 6909
G-6292 *Metarhizium anisopliae* sensu lato 6910
G-7192 *Metarhizium anisopliae* sensu lato 6911
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2-02/03 *Fusarium* sp. 6450
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3-02/03 *Fusarium udum* 6451
5-02/03 *Fusarium udum* 6452
5/03-B *Fusarium* sp. 6453
5/03-BB *Aspergillus flavus* 6454
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CHA *Aspergillus* sp. 6573
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Filter paper *Fusarium udum* 6447
HP *Aspergillus* sp. 6575

Gagen, Steven J.

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6 *Metarhizium anisopliae* sensu lato 440
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131-82 *Tolypocladium cylindrosporum* 976
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50-81 *Paecilomyces* sp. 971
52-81 *Isaria farinosa* 981
55-81 *Lecanicillium muscarium* 972
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8-73 *Lecanicillium muscarium* 1029
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93-82a *Lecanicillium longisporum* 974

Geden, Christopher J.

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George, Justin

PSU 12-001 *Fusarium* sp. 11948
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- 1 *Beauveria bassiana* 6903
- 2 *Beauveria bassiana* 6904
- 3 *Beauveria bassiana* 6905

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- 16 *Dactylella aphrobrocha* 5589
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- AL *Harposporium leptospira* 5602
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- CM2a *Metapochonia microbactrospora* 5616
- CS1 *Drechmeria coniospora* 5591
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- DC *Harposporium lilliputanum* 5604
- Drain *Harposporium arcuatum* 5598
- E *Harposporium subuliforme* 5605
- K1 *Dactylaria candida* 5588
- K1 *Haptocillium balanoides* 5617
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- L1 *Nematoctonus leptosporus* 5607
- LD2 *Drechlerella dactyloides* 5586
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- MA *Harposporium anguillulae* 5595
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- N5 *Rotiferophthora amamiensis* 5609
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- PA *Harposporium arcuatum* 5597
- PNS *Metapochonia microbactrospora* 5619
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- VEG *Harposporium arcuatum* 5596
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- 25B *Culicinomyces clavissporus* 1260
- 25B *Culicinomyces clavissporus* 2482
- 2B-A *Fusarium acuminatum* 3218
- 3B *Aspergillus niger* 3143
- 4B-A *Purpureocillium lilacinum* 3047
- 4B-B *Purpureocillium lilacinum* 3049
- 4C *Fusarium* sp. 3051
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Gopalakrishnan, C.

- 30 *Lecanicillium muscarium* 2659
- 31 *Beauveria brongniartii* 2660

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- A-12/11 *Fusarium* sp. 12033
- A-12/12 *Fusarium* sp. 12034
- A-12/13 *Fusarium* sp. 12035
- A-12/14 *Fusarium* sp. 12036
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- A-12/16 *Fusarium* sp. 12038
- A-12/17 *Fusarium* sp. 12039
- A-12/18 *Fusarium* sp. 12040
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- A-12/21 Unidentified / *Hyphomycetes* 12042
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- A-12/24 Unidentified / *Hyphomycetes* 12044
- A-12/25 Unidentified / *Hyphomycetes* 12045
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- A-12/3 *Beauveria bassiana* 12025
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- A-12/33 *Penicillium* sp. 12049
- A-12/35 *Aspergillus* sp. 12050
- A-12/36 *Aspergillus* sp. 12051
- A-12/4 *Beauveria bassiana* 12026
- A-12/5 Unidentified / *Hyphomycetes* 12027
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- CA-682 *Lecanicillium* sp. 11641
- CA-698 *Lecanicillium* sp. 11639
- CA-700 *Conidiobolus coronatus* 11651
- CA-706 *Lecanicillium* sp. 11649
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- CA-753 *Beauveria bassiana* 10186
- CA-761 *Lecanicillium* sp. 11645
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- DV-05-17 *Beauveria bassiana* 9301
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- EHS-11-2 *Metarhizopsis microspora* 11851
- EHS-11-4 *Myriangium* sp. 11855
- EHS-12-1 *Metarhizopsis microspora* 11843
- EHS-12-3 *Lecanicillium lecanii*(?) 11815
- EHS-12-5 *Myriangium* sp. 11853
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- HWA-11-M1 *Myriangium* sp. 11857
- HWA-115/2 *Verticillium lecanii* 5786
- HWA-12-2 *Lecanicillium muscarium*(?) 11816
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- HWA-12/1 Unidentified / *Hyphomycetes* 12086
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- HWA-12/5 Unidentified / *Hyphomycetes* 12090
- HWA-G-1 *Eurotiomycetes, genus undetermined* 9360
- HWA-G-17 *Acremonium*(?) sp. 9368
- HWA-G-25 Unidentified / *Hyphomycetes* 9366
- HWA-G-26 *Myriangium* sp. 9915

- HWA-G-28 *Myriangium* sp. 9917
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 PS-12/13 *Lecanicillium* sp. 12064
 PS-12/15 *Lecanicillium* sp. 12066
 PS-12/17 *Lecanicillium* sp. 12068
 PS-12/19 *Lecanicillium* sp. 12070
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 PS-12/25 *Fusarium* sp. 12076
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001-TC <i>Entomophaga maimaiga</i> 3830	03 NY 7-3-4 <i>Pandora neoaphidis</i> 7212	1b <i>Isaria farinosa</i> 3490
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001-TE <i>Entomophaga maimaiga</i> 3832	03 NY 7-4-1 <i>Pandora neoaphidis</i> 7213	216b <i>Isaria farinosa</i> 3526
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02 CN 1-2-1 <i>Entomophaga maimaiga</i> 7183	03 PA 3-1-1 <i>Entomophaga maimaiga</i> 7132	325 <i>Fusarium polyphialidicum</i> 3694
02 CN 1-2-2 <i>Entomophaga maimaiga</i> 7184	03 PA 4-1-1 <i>Entomophaga maimaiga</i> 7133	32c <i>Isaria farinosa</i> 3496
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		58a <i>Beauveria bassiana</i> 3527
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- 94 NY1-4A *Entomophaga maimaiga* 4549
 94 VA4-3A *Entomophaga maimaiga* 6218
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 94 WV1-1A *Entomophaga maimaiga* 6168
 94b *Isaria farinosa* 3518
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 96 MD B2-3 *Entomophaga maimaiga* 5381
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 99 MI 27 *Entomophaga maimaiga* 7102
 99 MI 28-1 *Entomophaga maimaiga* 7106
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 99 MI9-1A *Entomophaga maimaiga* 6523
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 99 WV2-2B *Entomophaga maimaiga* 6174
 99 WV2-2C *Entomophaga maimaiga* 6170
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 VA - C *Entomophaga maimaiga* 4553
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 AS18 *Aspergillus sydowii* 8381
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 FK11 *Aspergillus sydowii* 8379
 SA25 *Aspergillus sydowii* 8381
 SS7 *Aspergillus sydowii* 8380
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 1 *Evlachovaea* sp. 5703
 10193 *Cladosporium* sp. 11866
 14 *Beauveria bassiana* 6612
 17 *Beauveria bassiana* 6613
 17 *Beauveria bassiana* 6614
 2 *Beauveria bassiana* 5704
 2 *Isaria fumosorosea* 6610
 4 *Lecanicillium lecanii* 5706
 5 *Pandora neoaphidis* 5707
 6 *Pandora neoaphidis* 5708
 B *Fusarium* sp. 4969

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MSIRI 58 *Acremonium* sp. 11667
PPRI 6688 *Beauveria bassiana* 5705
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Sample G *Zoophthora radicans* 6605
SGI-914 *Fusarium* sp. 11865
SGI-915 *Conidiobolus* sp. 11867
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DAH 129A *Septobasidium burtii* 7097
DAH 129B *Septobasidium burtii* 7098
dah11DG1 *Basidiobolus* sp. 9887
dah6DL1 *Basidiobolus* sp. 9888
dah8TM1 *Basidiobolus* sp. 9889
dahBR17 *Basidiobolus* sp. 9890
dahBR2 *Basidiobolus* sp. 9891
dahBR4 *Basidiobolus* sp. 9892
dahBR5 *Basidiobolus* sp. 9893
dahCH1 *Basidiobolus* sp. 9894
dahCH10 *Basidiobolus* sp. 9895
dahCH4 *Basidiobolus* sp. 9896
dahOWT1 *Basidiobolus* sp. 9897
dahOWT2 *Basidiobolus* sp. 9898
dahOWT3 *Basidiobolus* sp. 9899
dahSAR2A *Basidiobolus* sp. 9900
dahSAR3A *Basidiobolus* sp. 9901
dahSAR4A *Basidiobolus* sp. 9902
dahT14 *Basidiobolus* sp. 9903
dahT53 *Basidiobolus* sp. 9904
dahT90 *Basidiobolus* sp. 9905
dahTF3 *Basidiobolus* sp. 9906
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dahTF8 *Basidiobolus* sp. 9908
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Henry, John E.

118 *Sorospora* sp. 377

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1 *Mucor* sp. 3535
2 Unidentified sp. 3536

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V.l. - Colima *Lecanicillium longisporum*
8042
V.l. - UAM *Lecanicillium muscarium*
8041
V3 - Aphid *Cylindrocarpon* sp. 8043
V3 - Leps *Cylindrocarpon* sp. 8044

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1 *Beauveria bassiana* 6177
2 *Beauveria bassiana* 6178
3 *Batkoa* sp. 6179
A *Beauveria bassiana* 6100
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Sol-17 *Metarhizium minus* 1767
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Sol-5 *Metarhizium minus* 1766
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10 *Monacrosporium ellipsosporum* 3723
A *Harposporium anguillulae* 5408
B *Harposporium anguillulae* 5409
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C2 *Cordyceps militaris* 4082
C3 *Cordyceps militaris* 4083
C4 *Cordyceps militaris* 4084
D1 *Cordyceps militaris* 4085
D2 *Cordyceps militaris* 4086
D3 *Cordyceps militaris* 4087
D4 *Cordyceps militaris* 4088
D5 *Cordyceps militaris* 4089
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kth12 *Isaria farinosa* 4090
kth13 *Ophiocordyceps variabilis* 4080
kth14 *Lecanicillium flavidum* 4519
kth24 *Beauveria bassiana* 4688
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kth28b *Cordyceps militaris* 4839
kth28c *Cordyceps militaris* 4840
kth28d *Cordyceps militaris* 4841
kth28e *Cordyceps militaris* 4842
kth29a *Elaphocordyceps ophioglossoides*
4826
kth29b *Elaphocordyceps ophioglossoides*
4827
kth29c *Elaphocordyceps ophioglossoides*
4828
kth29d *Elaphocordyceps ophioglossoides*
4829
kth29e *Elaphocordyceps ophioglossoides*
4830
kth29f *Elaphocordyceps ophioglossoides*
4831
kth29g *Elaphocordyceps ophioglossoides*
4832
kth29h *Elaphocordyceps ophioglossoides*
4833
kth29i *Elaphocordyceps ophioglossoides*
4834
kth29j *Elaphocordyceps ophioglossoides*
4835
kth29k *Elaphocordyceps ophioglossoides*
4836
kth29l *Elaphocordyceps ophioglossoides*
4837
kth30A *Tolypocladium inflatum* 4877
kth30B *Tolypocladium inflatum* 4878

kth30C *Tolypocladium inflatum* 4879
kth30D *Tolypocladium inflatum* 4880
kth30E *Tolypocladium inflatum* 4881
kth30F *Tolypocladium inflatum* 4882
kth30G *Tolypocladium inflatum* 4883
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kth30I *Tolypocladium inflatum* 4885
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- TNAU 1 *Lecanicillium aphanocladii* 9615
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- 499v2 *Beauveria bassiana* 3041
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- 621 *Metarhizium guizhouense* 1092
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- 2 *Beauveria bassiana* 6147
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- 450 *Batkoa apiculata* 1661
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Kenneth, Robert G.

- 2884 *Zoophthora radicans* 189
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- 3040 *Conidiobolus thromboides* 73
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- BS *Lagenidium giganteum* 3327

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- CH #10 UWI *Fusarium* sp. 12901
CH #1B UWI *Aspergillus* sp. 12897
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CH #8B UWI *Purpureocillium lilacinum* 12899
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- King, Brian C.**
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 11 *Isaria farinosa* 8019
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 18 *Paecilomyces* sp. 7998
 2 *Paecilomyces* sp. 7995
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 22 *Isaria farinosa* 8020
 23 *Paecilomyces* sp. 7999
 27 *Paecilomyces* sp. 8001
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 43 *Isaria farinosa* 8021
 47 *Isaria farinosa* 8017
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 51 *Paecilomyces* sp. 8003
 52 *Beauveria bassiana* 7972
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 69 *Paecilomyces* sp. 8007
 7 *Isaria farinosa* 8016
 70 *Paecilomyces* sp. 8008
 74 *Beauveria bassiana* 7977
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 77 *Beauveria bassiana* 7978
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Knight, A.L.

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Kope, Harry H.

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PFC 11 *Lecanicillium muscarium* 8052
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PFC 15 *Lecanicillium muscarium* 8054
PFC 17 *Lecanicillium pissodis* 8055
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Krueger, Steve V.

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FL10 *Aschersonia turbinata* 7305
FL11 *Aschersonia turbinata* 7306
FL12 *Aschersonia cubensis* 7307
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FL15 *Aschersonia* sp. 7310
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FL20 *Aschersonia turbinata* 7315
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FL27 *Aschersonia* sp. 7322
FL28 *Aschersonia* sp. 7323
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FL32 *Aschersonia* sp. 7327
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FL45 *Aschersonia aleyrodinis* 7340
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ml 171 *Clavicipitaceae* anamorph 7690
ml 172-1 *Clavicipitaceae* anamorph 7691
ml 186-3 *Clavicipitaceae* anamorph 7692
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ml161 *Lecanicillium* sp. 7407
ml164 *Aschersonia rhombispora* 7390
ml165 *Aschersonia andropogonis* 7391
ml166 Unidentified / Hyphomycetes
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ml172-2 *Lecanicillium lecanii* 7408
ml173 *Fusarium coccophilum* 7409
ml173-2 Unidentified / Hyphomycetes
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891 *Beauveria bassiana* 8370
892 *Beauveria bassiana* 8528
893 *Beauveria bassiana* 8529
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898 *Beauveria bassiana* 8374
900 *Beauveria bassiana* 8464
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908 *Metarhizium anisopliae* sensu lato
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909 *Metarhizium anisopliae* sensu lato
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eco 109 Unidentified / *Hyphomycetes*
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eco 110 *Fusarium sp.* 8481
eco 111 *Fusarium sp.* 8482
eco 112 *Purpureocillium lilacinum* 8483
eco 113 *Fusarium sp.* 8484
eco 25 *Gliocladium sp.* 8467
eco 28 *Lecanicillium psalliotae* 8468
eco 39 *Evlachovaea sp.* 8469
eco 40 *Trichoderma sp.* 8470
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178 *Pandora neoaphidis* 1603
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SPT-KZ-412 *Verticillium* sp. 6484
SPT-KZ-413 *Verticillium* sp. 6485
SPT-KZ-417 *Verticillium lecanii* 6487
SPT-KZ-418 *Isaria farinosa* 6488
SPT-KZ-419 *Isaria farinosa* 6489
SPT-KZ-420 *Isaria farinosa* 6490
SPT-KZ-423 *Isaria farinosa* 6491
SPT-KZ-425 *Aphanocladium album* 6492
SPT-KZ-428 *Isaria farinosa* 6493
SPT-KZ-431 *Purpureocillium lilacinum*
6494
SPT-KZ-432 *Isaria farinosa* 6495
SPT-KZ-440 *Isaria farinosa* 6496
SPT-KZ-443 *Isaria farinosa* 6497
SPT-KZ-445 *Verticillium* sp. 6498
SPT-KZ-457 *Verticillium* sp. 6500
SPT-KZ-458 *Verticillium* sp. 6501
SPT-KZ-461 *Purpureocillium lilacinum*
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SPT-U-250 *Beauveria bassiana* 6055
SPT-U-251 *Beauveria bassiana* 6056
SPT-U-253 *Beauveria bassiana* 6057
SPT-U-254 *Beauveria bassiana* 6058

SPT-U-255 *Beauveria bassiana* 6059
SPT-U-257 *Beauveria bassiana* 6109
SPT-U-259 *Beauveria bassiana* 6060
SPT-U-260 *Beauveria bassiana* 6083
SPT-U-261 *Beauveria bassiana* 6061
SPT-U-262 *Beauveria bassiana* 6062
SPT-U-263 *Beauveria bassiana* 6063
SPT-U-264 *Beauveria bassiana* 6064
SPT-U-267 *Beauveria bassiana* 6065
SPT-U-268 *Beauveria bassiana* 6066
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SPT-U-273 *Beauveria bassiana* 6070
SPT-U-285 *Lecanicillium psalliotae* 6071
SPT-U-291 *Beauveria bassiana* 6072
SPT-U-292 *Beauveria bassiana* 6073
SPT-U-293 *Beauveria bassiana* 6074
SPT-U-294 *Beauveria bassiana* 6075
SPT-U-295 *Beauveria bassiana* 6111
SPT-U-296 *Beauveria bassiana* 6112
SPT-U-297 *Beauveria bassiana* 6113
SPT-U-300 *Beauveria bassiana* 6076
SPT-U-305 *Beauveria bassiana* 6077
SPT-U-306 *Purpureocillium lilacinum*
6084
SPT-U-308 *Beauveria bassiana* 6078
SPT-U-310 *Beauveria bassiana* 6079
SPT-U-323 *Beauveria bassiana* 6092
SPT-U-325 *Purpureocillium lilacinum*
6081
SPT-U-326 *Beauveria bassiana* 6093
SPT-U-329 *Purpureocillium lilacinum*
6082
SPT-U-332 *Purpureocillium lilacinum*
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SPT-U-335 *Beauveria bassiana* 6095
SPT-U-338 *Beauveria bassiana* 6096
SPT-U-341 *Isaria farinosa* 6097
SPT-U-343 *Isaria farinosa* 6098
SPT-U-349 *Beauveria bassiana* 6115
SPT-U-354/2 *Beauveria bassiana* 6099
SPT-U-361 *Purpureocillium lilacinum*
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CIP-849 *Metarhizium viride* 2456

Pava-Ripoll, Monica

Bb UMD-Greenhouse *Beauveria*
bassiana 8998
HMG *Hirsutella* sp. 8999

Peck, Daniel

11 Sterile mycelium 4712
5 *Fusarium austroamericanum* 4713
7 *Fusarium* sp. 4714
9 *Fusarium meridionale* 4715

Pell, J. K.

NW 231 *Pandora neoaphidis* 4934

Pereault, Renee J.

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bbpci#2 *Beauveria bassiana* 8261
bbpci#3 *Beauveria bassiana* 8262
bbpci#5 *Beauveria bassiana* 8263
bbsi#11 *Beauveria bassiana* 8271
bbsi#14 *Beauveria bassiana* 8272
bbsi#17 *Beauveria bassiana* 8273
bbsi#18 *Beauveria bassiana* 8274
bbsi#19 *Beauveria bassiana* 8275
bbsi#20 *Beauveria bassiana* 8276
masi#1 *Metarhizium anisopliae* sensu
lato 8270
plsi#1 *Purpureocillium lilacinum* 8268
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Walton Spray pci#2 *Lecanicillium muscarium*(?) 8265
Walton Spray pci#3 *Fusarium* sp. 8266

Pereira, Roberto M.

DPI fungus *Aspergillus ochraceus*(?)
7027
SiCMAVE 4-Cell *Hirsutella* sp. 7578
Y4Y *Akanthomyces clavatus* 7577

Pérez Martínez, Carolina

Lyc0 1 *Conidiobolus coronatus* 9940
Lyc0 4 *Conidiobolus coronatus* 9941
Lyc0 5 *Conidiobolus coronatus* 9942

Perry, David

1602 *Tolypocladium inflatum* 3321

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38-131 *Isaria farinosa* 1851

Piazza, Lucy Corsetti

A86 *Metarhizium rileyi* 2203

Pitt, J.I.

FRR 1665 *Nomuraea anemonoides* 2467

Poprawski, Tadeusz J.

001 *Beauveria* sp. 1195
001A *Trichothecium roseum* 1226
002 *Beauveria* sp. 1196
004 *Beauveria* sp. 1197
005 *Beauveria* sp. 1198
0102A *Beauveria bassiana* 1512
0102B *Beauveria bassiana* 1513
0103A *Beauveria bassiana* 1514
0103B *Isaria fumosorosea* 1626
0104 *Beauveria bassiana* 1627
0105 *Beauveria bassiana* 1628
0106 *Beauveria bassiana* 1629
0107 *Beauveria bassiana* 1515
0108 *Beauveria bassiana* 1516
0109 *Beauveria bassiana* 1517
0111 *Beauveria bassiana* 1518
0112 *Beauveria bassiana* 1519
0117A *Beauveria bassiana* 1520
0117B *Beauveria bassiana* 1521
0118A *Beauveria bassiana* 1630
0120 Unidentified sp. 1634
0121 *Fusarium* sp. 1522
0122 *Beauveria bassiana* 1523
0123 *Beauveria bassiana* 1524

- 0124A *Beauveria bassiana* 1525
 0124B *Beauveria bassiana* 1526
 0125 *Beauveria bassiana* 1527
 0126 *Beauveria bassiana* 1528
 0127A *Beauveria bassiana* 1529
 0127A(bis) *Isaria fumosorosea* 1530
 0127B *Beauveria bassiana* 1531
 0127B(bis) *Isaria fumosorosea* 1532
 0128A *Beauveria bassiana* 1533
 0128B *Beauveria bassiana* 1534
 013 *Beauveria* sp. 1199
 0130A *Beauveria bassiana* 1535
 0130B *Beauveria bassiana* 1536
 0131A *Beauveria bassiana* 1537
 0131B *Beauveria bassiana* 1538
 0132 *Beauveria bassiana* 1539
 0133A *Beauveria bassiana* 1540
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 0134 *Beauveria bassiana* 1636
 0135A *Beauveria bassiana* 1637
 0135B *Beauveria bassiana* 1638
 0136 *Trichothecium roseum* 1639
 0137 *Beauveria bassiana* 1640
 0138 *Fusarium* sp. 1641
 0139 *Trichothecium roseum* 1642
 014 *Beauveria* sp. 1200
 0140 *Beauveria bassiana* 1643
 0141A *Isaria fumosorosea* 1644
 0141B *Isaria fumosorosea* 1645
 0142 *Isaria fumosorosea* 1646
 0143 *Beauveria bassiana* 1647
 0144 *Beauveria bassiana* 1648
 0145 *Beauveria bassiana* 1649
 0146 *Beauveria bassiana* 1650
 0147 *Beauveria bassiana* 1788
 0148A *Beauveria bassiana* 1789
 0148B *Beauveria bassiana* 1790
 0149 *Beauveria bassiana* 1791
 0150A *Beauveria bassiana* 1792
 0150B *Beauveria bassiana* 1793
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 0151 *Beauveria bassiana* 1795
 0152A *Beauveria bassiana* 1796
 0152B *Beauveria bassiana* 1797
 0152C *Beauveria bassiana* 1798
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 0154 *Beauveria bassiana* 1800
 0155 *Beauveria bassiana* 1801
 0156 *Beauveria bassiana* 1802
 0157 *Beauveria bassiana* 1803
 0158A *Beauveria bassiana* 1804
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 0160 *Beauveria bassiana* 1809
 0161 *Beauveria bassiana* 1810
 0162 *Beauveria bassiana* 1822
 0163 *Beauveria bassiana* 1812
 0164A *Beauveria bassiana* 1813
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 0165 *Beauveria bassiana* 1815
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 0167A *Beauveria bassiana* 1820
 0167B *Beauveria bassiana* 1821
 0167C *Beauveria bassiana* 1811
 0168 *Beauveria bassiana* 1864
 0169 *Beauveria bassiana* 1865
 0170 *Beauveria bassiana* 1866
 0171 *Isaria fumosorosea* 1867
 0172 *Isaria fumosorosea* 1868
 0175 *Beauveria bassiana* 1988
 0176 *Beauveria bassiana* 1973
 0177 *Beauveria bassiana* 1974
 0178 *Beauveria bassiana* 1975
 0179 *Beauveria bassiana* 1976
 0180 *Beauveria bassiana* 1977
 0181 *Beauveria bassiana* 1978
 0182 *Beauveria bassiana* 1979
 0183 *Beauveria bassiana* 1980
 0184 *Pandora neoaphidis* 1981
 0185 *Beauveria bassiana* 1982
 0187 *Beauveria bassiana* 1984
 0188 *Pandora neoaphidis* 1985
 0189 *Pandora neoaphidis* 1986
 0190 *Pandora neoaphidis* 1987
 0191 *Pandora neoaphidis* 2085
 0193 *Pandora neoaphidis* 2086
 0195 *Entomophthora muscae* 2087
 0196 *Entomophthora muscae* 2088
 0197 *Entomophthora muscae* 2089
 023 *Beauveria* sp. 1201
 024 *Beauveria* sp. 1202
 025 *Beauveria* sp. 1203
 026 *Beauveria* sp. 1204
 027 *Beauveria* sp. 1205
 028 *Beauveria* sp. 1206
 030 *Beauveria* sp. 1207
 034 *Beauveria* sp. 1208
 035 *Beauveria* sp. 1209
 037 *Beauveria* sp. 1210
 038 *Beauveria* sp. 1211
 042 *Trichothecium roseum* 1212
 043 *Fusarium* sp. 1307
 044 *Trichothecium roseum* 1308
 046 *Beauveria* sp. 1213
 047 *Beauveria* sp. 1214
 049 *Beauveria* sp. 1215
 050 *Beauveria* sp. 1216
 050A *Trichothecium* sp. 1217
 051 *Beauveria* sp. 1218
 052 *Beauveria* sp. 1219
 057 *Beauveria* sp. 1220
 059 *Beauveria* sp. 1221
 060 *Beauveria* sp. 1222
 060A *Trichothecium* sp. 1223
 061 *Beauveria* sp. 1224
 070 *Beauveria bassiana* 1164
 070A *Beauveria bassiana* 1314
 070B *Beauveria bassiana* 1315
 070C *Beauveria bassiana* 1316
 071 *Beauveria bassiana* 1394
 071A *Beauveria bassiana* 1163
 072 *Beauveria bassiana* 1154
 073 *Beauveria bassiana* 1155
 074 *Beauveria bassiana* 1153
 074A *Beauveria bassiana* 1317
 074B *Beauveria bassiana* 1318
 075 *Beauveria bassiana* 1395
 076 *Beauveria bassiana* 1319
 077A *Beauveria bassiana* 1396
 077B *Beauveria bassiana* 1397
 078 *Beauveria bassiana* 1320
 079B *Beauveria bassiana* 1321
 079C *Beauveria bassiana* 1322
 079D *Beauveria bassiana* 1323
 079E *Beauveria bassiana* 1324
 079F *Beauveria bassiana* 1325
 080 *Beauveria bassiana* 1326
 082 *Beauveria* sp. 1327
 083 *Acremonium furcatum* 1372
 084 *Lecanicillium muscarium* 1328
 085 *Aphanocladium album* 1329
 086 *Beauveria bassiana* 1398
 087 *Beauveria bassiana* 1399
 088 *Beauveria bassiana* 1389
 089 *Lecanicillium muscarium* 1401
 090 *Lecanicillium muscarium* 1402
 091 *Lecanicillium muscarium* 1403
 092A *Beauveria bassiana* 1404
 092B *Beauveria bassiana* 1405
 093A *Beauveria bassiana* 1406
 093B *Beauveria bassiana* 1407
 094A *Beauveria bassiana* 1408
 094B *Beauveria bassiana* 1409
 095 *Beauveria bassiana* 1410
 096A *Beauveria bassiana* 1411
 096B *Beauveria bassiana* 1412
 097 *Beauveria bassiana* 1413
 099 *Beauveria bassiana* 1414
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 15 *Fusarium verticillioides* 3679
 19 *Fusarium* sp. 3672
 2 *Isaria farinosa* 3572
 2 *Fusarium verticillioides* 3676
 21 *Isaria fumosorosea* 3590
 22 *Isaria farinosa* 3591
 23 *Isaria farinosa* 3592
 24 *Isaria farinosa* 3593
 25 *Isaria fumosorosea* 3594
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 3 *Isaria javanica* 3573
 32 *Fusarium verticillioides* 3673
 38 *Fusarium* sp. 3668
 4 *Isaria farinosa* 3574
 40 *Isaria farinosa* 3658
 41 *Isaria farinosa* 3659
 43 *Isaria fumosorosea* 3660
 44 *Isaria farinosa* 3661
 45 *Isaria fumosorosea* 3662
 48 *Isaria fumosorosea* 3663
 5 *Isaria farinosa* 3575
 5 *Fusarium* sp. 3670
 50 *Fusarium* sp. 3674
 5A *Fusarium verticillioides* 3675
 6 *Isaria farinosa* 3576
 60 *Fusarium* sp. 3669
 645 *Beauveria bassiana* 1191
 646 *Beauveria bassiana* 1192
 647 *Beauveria bassiana* 1193
 648 *Beauveria bassiana* 1194
 7 *Isaria javanica* 3577
 7 *Fusarium* sp. 3671
 8 *Isaria farinosa* 3578

- 83-05 *Beauveria bassiana* 1151
83-06 *Fusarium solani* 1148
83-11 *Fusarium oxysporum* 1371
83-15 *Aspergillus* sp. 1152
83-37 *Beauveria bassiana* 1150
83-48 *Beauveria bassiana* 1073
83-49 *Beauveria bassiana* 1074
83-54 *Beauveria bassiana* 1075
83-611 *Beauveria bassiana* 1306
83-614 *Beauveria bassiana* 1160
83-615 *Beauveria bassiana* 1159
83-616 *Beauveria bassiana* 1182
83-619 *Beauveria bassiana* 1157
83-621 *Beauveria bassiana* 1165
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83-626 *Beauveria bassiana* 1161
83-634 *Beauveria bassiana* 1158
83-639 *Beauveria bassiana* 1156
83-701 *Beauveria bassiana* 1167
83-702 *Beauveria bassiana* 1168
83-703 *Beauveria bassiana* 1169
83-704 *Beauveria bassiana* 1170
83-77 *Beauveria bassiana* 1166
83-79 *Beauveria bassiana* 1149
8617 *Entomophthora muscae* 2263
8619 *Entomophthora muscae* 2264
8622 *Entomophthora muscae* 2265
8624 *Entomophthora muscae* 2266
8627 *Fusarium verticillioides* 2252
8628 *Scopulariopsis* sp. 2255
8629 *Beauveria bassiana* 2253
8630 *Beauveria bassiana* 2254
8631 *Zoophthora radicans* 2256
8633 *Zoophthora radicans* 2257
8634 *Zoophthora radicans* 2258
8635 *Zoophthora radicans* 2259
8636 *Zoophthora radicans* 2260
8637 *Zoophthora radicans* 2261
8639 *Zoophthora radicans* 2262
8640 *Entomophthora muscae* 2317
8642 *Beauveria bassiana* 2318
8643 *Beauveria bassiana* 2319
8644 *Beauveria bassiana* 2320
8645 *Beauveria bassiana* 2321
8646 *Beauveria bassiana* 2322
8647 *Lecanicillium muscarium* 2323
8648 *Lecanicillium aphanocladii* 2324
8650 *Lecanicillium muscarium* 2326
8651 *Scopulariopsis* sp. 2327
8652 *Scopulariopsis* sp. 2328
8654 *Lecanicillium muscarium* 2329
8701 *Beauveria bassiana* 2457
8702 *Beauveria bassiana* 2458
8703 *Hirsutella thompsonii* 2459
8704 *Hirsutella thompsonii* 2464
8705 *Lecanicillium longisporum* 2460
8706 *Beauveria bassiana* 2461
8707 *Beauveria bassiana* 2462
8708 *Metarhizium rileyi* 2465
8709 *Metarhizium rileyi* 2466
8710 *Beauveria bassiana* 2463
8809A *Beauveria pseudobassiana* 3153
8809B *Beauveria bassiana* 3154
8809C *Beauveria bassiana* 3155
8809D *Beauveria bassiana* 3156
8809E *Beauveria bassiana* 3157
8809G *Beauveria bassiana* 3158
88100 *Zoophthora radicans* 2704
88102 *Zoophthora radicans* 2697
88103 *Zoophthora radicans* 2705
88107 *Zoophthora radicans* 2707
88108 *Zoophthora radicans* 2711
88111 *Zoophthora radicans* 2698
88113 *Zoophthora radicans* 2699
88116 *Zoophthora radicans* 2712
88121 *Zoophthora radicans* 2710
88129 *Zoophthora radicans* 2714
8812B *Zoophthora radicans* 3159
8812C *Zoophthora radicans* 3160
8812D *Zoophthora radicans* 2696
8812D *Zoophthora radicans* 3161
8817A *Zoophthora radicans* 3162
8817B *Zoophthora radicans* 2708
8817B *Zoophthora radicans* 3163
8818A *Zoophthora radicans* 2709
8818A *Zoophthora radicans* 3114
8819A *Zoophthora radicans* 3115
8819B *Zoophthora radicans* 3151
8820A *Zoophthora radicans* 2703
8820A *Zoophthora radicans* 3116
8823A *Zoophthora radicans* 2713
8823A *Zoophthora radicans* 3164
8824A *Zoophthora radicans* 3150
8824B *Zoophthora radicans* 2702
8824B *Zoophthora radicans* 3117
8825A *Zoophthora radicans* 2706
8825A *Zoophthora radicans* 3149
8825B *Zoophthora radicans* 3118
8826 *Zoophthora radicans* 2701
8826 *Zoophthora radicans* 3119
8830A *Zoophthora radicans* 3165
8835A *Beauveria bassiana* 3166
8835B *Beauveria bassiana* 3167
8835C *Beauveria bassiana* 3168
8835D *Beauveria bassiana* 3169
8842A *Zoophthora radicans* 3170
8843A *Zoophthora radicans* 2700
8843A *Zoophthora radicans* 3171
8843B *Zoophthora radicans* 3172
8851 *Beauveria bassiana* 3120
8852 *Beauveria pseudobassiana* 3121
8854 (first form) Unidentified sp. 3122
8854 (second form) *Beauveria bassiana* 3215
9 *Isaria farinosa* 3579
9009 Unidentified sp. 3125
9014 *Pandora neoaphidis* 3126
9015 *Pandora neoaphidis* 3174
9016 *Pandora neoaphidis* 3175
9423 *Beauveria bassiana* 5296
9429 *Beauveria bassiana* 5295
9432 *Beauveria bassiana* 5289
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9446 *Beauveria bassiana* 5288
9474 *Beauveria bassiana* 5290
9480 *Beauveria bassiana* 5294
9485 *Beauveria bassiana* 5293
9494 *Beauveria bassiana* 5292
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A10 *Beauveria bassiana* 1311
A11 *Beauveria bassiana* 1312
A12 *Beauveria bassiana* 1313
A2 *Beauveria bassiana* 1171
A3 *Beauveria bassiana* 1190
A4 *Beauveria bassiana* 1172
A5 *Beauveria bassiana* 1173
A6 *Beauveria bassiana* 1174
A7 *Beauveria bassiana* 1175
A8 *Beauveria bassiana* 1309
A9 *Fusarium proliferatum* 1310
E1 *Beauveria bassiana* 1188
J1 *Beauveria bassiana* 1176
J2 *Beauveria bassiana* 1177
J3 *Beauveria bassiana* 1178
J4 *Beauveria bassiana* 1179
J5 *Beauveria bassiana* 1180
J6 *Beauveria bassiana* 1181
J7 *Beauveria bassiana* 1183
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TJP902 *Beauveria bassiana* 5437
TJP903 *Beauveria bassiana* 5438
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TJP905 *Beauveria bassiana* 5440
TJP906 *Beauveria bassiana* 5441
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TJP920 *Beauveria bassiana* 5455
TJP921 *Beauveria bassiana* 5456
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TJP923 *Beauveria bassiana* 5458
TJP924 *Beauveria bassiana* 5459
TJP925 *Beauveria bassiana* 5460
TJP926 *Fusarium* sp. 5461
TJP927 *Isaria fumosorosea* 5462
TJP928 *Isaria fumosorosea* 5463
TJP929 *Isaria fumosorosea* 5464
TJP930 *Beauveria bassiana* 5465
TJP931 *Beauveria bassiana* 5466
TJP932 *Beauveria bassiana* 5467
TJP934 *Metarhizium anisopliae* sensu lato 5469
TJP935 *Aspergillus parasiticus* 5470
TJP936 *Metarhizium anisopliae* sensu stricto 5471

Posada, Francisco J.

- CEFC F-0001 *Isaria fumosorosea* 6789
CEFC F-0002 *Fusarium* sp. 6790
CEFC P-0003 *Isaria tenuipes* 6788
CEFC V-0002 *Lecanicillium lecanii* 6791
CEFC V-0003 *Lecanicillium muscarium* 6792

Alternate Collections

Postie, Lori

- Reisolate 1 *Entomophaga macleodii* 3077
 Reisolate 2 *Entomophaga macleodii* 3078
 Reisolate 3 *Entomophaga macleodii* 3079

PPRI

- 7040 *Beauveria bassiana* 6967
 7041 *Beauveria bassiana* 6968
 7042 *Beauveria bassiana* 6969
 7043 *Beauveria bassiana* 6970
 7054 *Beauveria pseudobassiana* 6971
 7055 *Beauveria pseudobassiana* 6972
 7056 *Beauveria bassiana* 6973
 7057 *Beauveria bassiana* 6974
 7058 *Beauveria bassiana* 6975
 7059 *Beauveria bassiana* 6976
 7060 *Beauveria bassiana* 6977
 7061 *Beauveria bassiana* 6978
 7062 *Beauveria bassiana* 6979
 7064 *Beauveria bassiana* 6980
 7065 *Beauveria bassiana* 6981
 7068 *Beauveria bassiana* 6982
 7071 *Isaria farinosa* 6983
 7082 *Beauveria bassiana* 6984
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 F413 *Metarhizium anisopliae* sensu lato 4766
 F414 *Metarhizium anisopliae* sensu lato 4590
 F415 *Metarhizium anisopliae* sensu lato 4577
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 F506 *Metarhizium brunneum* 4556
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 F512 *Metarhizium anisopliae* sensu lato 4779
 F513 *Metarhizium anisopliae* sensu lato 4780
 F514 *Metarhizium majus* 4566
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 F516 *Metarhizium anisopliae* sensu lato 4574
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 0097 *Isaria farinosa* 6245
 0107 *Isaria cateniannulata* 6240
 0189 *Isaria cateniobliqua* 6244
 0190 *Isaria cateniobliqua* 6283
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 BLU *Beauveria* sp. 12459
 Gu10 *Beauveria* sp. 12456
 Gu9 *Metarhizium* sp. 12454
 MH5 *Beauveria* sp. 12458
 MH6 *Metarhizium* sp. 12452
 MHF *Metarhizium* sp. 12452
 MHU *Metarhizium* sp. 12453
 MLF *Metarhizium* sp. 12454
 MLU *Metarhizium* sp. 12455
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 P5 *Metarhizium* sp. 12455
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 124 *Metarhizium frigidum* 4124
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 A3 *Aspergillus* sp. 2765
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 C5 *Conidiobolus* sp. 2815
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 E3 *Zoophthora radicans* 3204
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 E7 *Aspergillus* sp. 2820
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 EB10 *Scopulariopsis* sp. 3203
 EB2 *Zoophthora radicans* 2732
 EB3 *Pandora blunckii* 3200
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 Ma2 *Fusarium* sp. 2736
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(i)I <i>Metarhizium minus</i> 1288	82180-13b <i>Purpureocillium lilacinum</i> 531	DWR 1007 <i>Beauveria bassiana</i> 10880
0 <i>Neozygites floridana</i> (?) 5376	82180-2a <i>Hirsutella citrififormis</i> 532	DWR 1008 <i>Beauveria bassiana</i> 10881
020184-2A <i>Entomophaga</i> sp. 1126	82180-4a <i>Conidiobolus coronatus</i> 512	DWR 1009 <i>Beauveria bassiana</i> 10882
040485-6 <i>Hirsutella citrififormis</i> 1913	82180-4c <i>Conidiobolus coronatus</i> 524	DWR 1010 <i>Beauveria bassiana</i> 10883
090485-3 <i>Metarhizium rileyi</i> 1879	82180-7b <i>Conidiobolus</i> sp. 522	DWR 1011 <i>Beauveria bassiana</i> 10884
1 <i>Neozygites floridana</i> (?) 5201	82180-7c <i>Conidiobolus coronatus</i> 514	DWR 1012 <i>Beauveria bassiana</i> 10885
100881-2 <i>Trichothecium</i> sp. 653	82380-19 <i>Conidiobolus</i> sp. 517	DWR 1013 <i>Beauveria bassiana</i> 10886
100881-4-3 <i>Pandora delphacis</i> 664	82380-20 <i>Conidiobolus coronatus</i> 520	DWR 1014 <i>Beauveria bassiana</i> 10887
100981-1 <i>Pandora delphacis</i> 716	82380-22 <i>Conidiobolus coronatus</i> 523	DWR 1015 <i>Beauveria bassiana</i> 10888
100981-3 <i>Pandora delphacis</i> 673	82880-1 <i>Tilletiopsis</i> sp. 573	DWR 1016 <i>Beauveria bassiana</i> 10889
100981-4 <i>Pandora delphacis</i> 674	82880-11 <i>Conidiobolus coronatus</i> 525	DWR 1017 <i>Beauveria bassiana</i> 10890
101081-1 <i>Pandora delphacis</i> 686	82880-2 <i>Tilletiopsis</i> sp. 527	DWR 1018 <i>Beauveria bassiana</i> 10891
101081-2-3 <i>Pandora delphacis</i> 682	82880-2 <i>Tilletiopsis</i> sp. 572	DWR 1019 <i>Beauveria bassiana</i> 10892
101081-3 <i>Pandora delphacis</i> 668	82980-1 <i>Conidiobolus coronatus</i> 528	DWR 1020 <i>Beauveria bassiana</i> 10893
101081-4 <i>Pandora delphacis</i> 657	A <i>Conidiobolus coronatus</i> 418	DWR 1021 <i>Beauveria bassiana</i> 10894
101081-5-3 <i>Pandora delphacis</i> 672	A1 <i>Metarhizium minus</i> 1291	DWR 1022 <i>Beauveria bassiana</i> 10895
101081-6 <i>Paecilomyces</i> sp. 680	A10 <i>Metarhizium minus</i> 1303	DWR 1023 <i>Beauveria bassiana</i> 10896
101081-6-2 <i>Pandora delphacis</i> 659	A8 <i>Metarhizium minus</i> 1099	DWR 1024 <i>Beauveria bassiana</i> 10897
101081-6-2 <i>Pandora delphacis</i> 660	A9 <i>Metarhizium minus</i> 1297	DWR 1025 <i>Beauveria bassiana</i> 10898
101181-4 <i>Fusarium</i> sp. 687	B <i>Conidiobolus coronatus</i> 419	DWR 1026 <i>Beauveria bassiana</i> 10899
101381-1 <i>Pandora delphacis</i> 670	Bbass-2 <i>Beauveria bassiana</i> 302	DWR 1027 <i>Beauveria bassiana</i> 10900
101481-4-1 <i>Beauveria brongniartii</i> 678	Bbass-3 <i>Beauveria bassiana</i> 303	DWR 1028 <i>Beauveria bassiana</i> 10901
101481-5 <i>Beauveria amorphpha</i> 656	Bbass-4 <i>Beauveria bassiana</i> 304	DWR 1029 <i>Beauveria bassiana</i> 10902
101981-1 <i>Beauveria bassiana</i> 652	Bbass-5 <i>Beauveria bassiana</i> 305	DWR 1030 <i>Beauveria bassiana</i> 10903
102081-1 <i>Beauveria bassiana</i> 679	BPH-10 <i>Metarhizium minus</i> 1287	DWR 1031 <i>Beauveria bassiana</i> 10904
102081-2 <i>Beauveria bassiana</i> 654	BPH-11 <i>Metarhizium anisopliae</i> sensu lato 1290	DWR 1032 <i>Beauveria bassiana</i> 10905
102181-1 <i>Pandora delphacis</i> 666	BPH-12 <i>Metarhizium anisopliae</i> sensu lato 1284	DWR 1033 <i>Beauveria bassiana</i> 10906
102181-1 <i>Beauveria bassiana</i> 714	BPH-13 <i>Metarhizium anisopliae</i> sensu lato 1285	DWR 1034 <i>Beauveria bassiana</i> 10907
102181-12 <i>Zoopthora radicans</i> 685	BPH-3[?] <i>Metarhizium minus</i> 1294	DWR 1035 <i>Beauveria bassiana</i> 10908
102181-2 <i>Pandora delphacis</i> 669	BPH-3[?] <i>Metarhizium minus</i> 1295	DWR 1036 <i>Beauveria bassiana</i> 10909
102181-4 <i>Pandora delphacis</i> 713	BPH-4 <i>Metarhizium anisopliae</i> sensu lato 1286	DWR 1037 <i>Beauveria bassiana</i> 10910
102181-5 <i>Pandora delphacis</i> 676	BPH-5 <i>Metarhizium minus</i> 1274	DWR 1038 <i>Beauveria bassiana</i> 10911
102181-6 <i>Pandora delphacis</i> 667	BPH-6 <i>Metarhizium minus</i> 1296	DWR 1039 <i>Beauveria bassiana</i> 10912
102181-9 <i>Pandora delphacis</i> 665	BPH-7 <i>Metarhizium minus</i> 1289	DWR 1040 <i>Beauveria bassiana</i> 10913
102381-2 <i>Conidiobolus lachnodes</i> 700	BPH-8 <i>Metarhizium minus</i> 1275	DWR 1041 <i>Beauveria bassiana</i> 10914
102381-6 <i>Conidiobolus coronatus</i> 655	Bq <i>Metarhizium minus</i> 1272	DWR 1042 <i>Beauveria bassiana</i> 10915
102381-9 <i>Metarhizium guizhouense</i> 683	BSS-1 <i>Beauveria bassiana</i> 286	DWR 1043 <i>Beauveria bassiana</i> 10916
102981-2 <i>Hirsutella citrififormis</i> 684	BSS-2 <i>Beauveria bassiana</i> 287	DWR 1044 <i>Beauveria bassiana</i> 10917
103a <i>Metarhizium anisopliae</i> sensu lato 1903	BSS-3 <i>Beauveria bassiana</i> 288	DWR 1045 <i>Beauveria bassiana</i> 10918
110485-2 <i>Entomophaga</i> sp. 1881	BSS-4 <i>Beauveria bassiana</i> 289	DWR 1046 <i>Beauveria bassiana</i> 10919
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26102a <i>Conidiobolus</i> nr. <i>coronatus</i> 1742	CLB-2 <i>Beauveria bassiana</i> 296	DWR 1049 <i>Beauveria bassiana</i> 10922
26104 <i>Conidiobolus</i> nr. <i>coronatus</i> 1743	D <i>Metarhizium anisopliae</i> sensu lato 1304	DWR 1050 <i>Beauveria bassiana</i> 10923
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26108 <i>Pandora delphacis</i> 1730	DWR 04 <i>Metarhizium taii</i> 6750	DWR 1052 <i>Beauveria bassiana</i> 10925
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291014 <i>Metarhizium pingshaense</i> 1744	DWR 069 <i>Metarhizium anisopliae</i> sensu lato 6994	DWR 1055 <i>Beauveria bassiana</i> 10928
291015 <i>Metarhizium pingshaense</i> 1727	DWR 09 <i>Metarhizium taii</i> 6753	DWR 1056 <i>Beauveria bassiana</i> 10929
291016 <i>Metarhizium anisopliae</i> sensu lato 1745	DWR 10 <i>Metarhizium taii</i> 6754	DWR 1057 <i>Beauveria bassiana</i> 10930
291017 <i>Metarhizium pingshaense</i> 1725	DWR 1000 <i>Beauveria bassiana</i> 10873	DWR 1058 <i>Beauveria bassiana</i> 10931
29103 <i>Metarhizium pingshaense</i> 1724	DWR 1001 <i>Beauveria bassiana</i> 10874	DWR 1059 <i>Beauveria bassiana</i> 10932
29103b <i>Metarhizium pingshaense</i> 1823	DWR 1002 <i>Beauveria pseudobassiana</i> 10875	DWR 1060 <i>Beauveria bassiana</i> 10933
2910B <i>Metarhizium pingshaense</i> 1729	DWR 1003 <i>Beauveria bassiana</i> 10876	DWR 1061 <i>Beauveria bassiana</i> 10934
2A2-B(b) <i>Beauveria bassiana</i> 333	DWR 1004 <i>Beauveria bassiana</i> 10877	DWR 1062 <i>Beauveria bassiana</i> 10935
2A3-B(a) <i>Beauveria bassiana</i> 334	DWR 1005 <i>Beauveria bassiana</i> 10878	DWR 1063 <i>Beauveria bassiana</i> 10936
2B2-A <i>Beauveria bassiana</i> 335	DWR 1006 <i>Beauveria bassiana</i> 10879	DWR 1064 <i>Beauveria bassiana</i> 10937
3T <i>Beauveria bassiana</i> 291		DWR 1065 <i>Beauveria bassiana</i> 10938
5A <i>Metarhizium minus</i> 1302		DWR 1066 <i>Beauveria bassiana</i> 10939
81280 <i>Metarhizium anisopliae</i> sensu lato 543		DWR 1067 <i>Beauveria bassiana</i> 10940
81380-4 <i>Conidiobolus coronatus</i> 511		DWR 1068 <i>Beauveria bassiana</i> 10941
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		DWR 1071 <i>Beauveria bassiana</i> 10944
		DWR 1072 <i>Beauveria bassiana</i> 10945

DWR 1073 <i>Beauveria bassiana</i> 10946	DWR 1138 <i>Beauveria bassiana</i> 11011	DWR 1204 <i>Beauveria bassiana</i> 11049
DWR 1074 <i>Beauveria amorphia</i> 10947	DWR 1139 <i>Beauveria bassiana</i> 11012	DWR 1205 <i>Beauveria pseudobassiana</i> 11050
DWR 1075 <i>Beauveria bassiana</i> 10948	DWR 1140 <i>Beauveria bassiana</i> 11013	DWR 1206 <i>Beauveria bassiana</i> 11051
DWR 1076 <i>Beauveria bassiana</i> 10949	DWR 1141 <i>Beauveria bassiana</i> 11014	DWR 1207 <i>Beauveria bassiana</i> 11052
DWR 1077 <i>Beauveria bassiana</i> 10950	DWR 1142 <i>Beauveria bassiana</i> 11015	DWR 1208 <i>Beauveria pseudobassiana</i> 11053
DWR 1078 <i>Beauveria bassiana</i> 10951	DWR 1143 <i>Beauveria bassiana</i> 11016	DWR 1209 <i>Beauveria pseudobassiana</i> 11054
DWR 1079 <i>Beauveria bassiana</i> 10952	DWR 1144 <i>Beauveria bassiana</i> 11017	DWR 1210 <i>Beauveria bassiana</i> 11055
DWR 1080 <i>Beauveria bassiana</i> 10953	DWR 1145 <i>Metarhizium</i> sp. 9852	DWR 1211 <i>Beauveria bassiana</i> 11056
DWR 1081 <i>Beauveria bassiana</i> 10954	DWR 1146 <i>Metarhizium</i> sp. 9853	DWR 1212 <i>Beauveria bassiana</i> 11057
DWR 1082 <i>Beauveria bassiana</i> 10955	DWR 1147 <i>Metarhizium</i> sp. 9854	DWR 1213 <i>Beauveria bassiana</i> 11058
DWR 1083 <i>Beauveria bassiana</i> 10956	DWR 1148 <i>Metarhizium</i> sp. 9855	DWR 1214 <i>Beauveria bassiana</i> 11059
DWR 1084 <i>Beauveria bassiana</i> 10957	DWR 1149 <i>Metarhizium</i> sp. 9856	DWR 1216 <i>Beauveria bassiana</i> 11060
DWR 1085 <i>Beauveria bassiana</i> 10958	DWR 1150 <i>Metarhizium</i> sp. 9857	DWR 1217 <i>Beauveria bassiana</i> 11061
DWR 1086 <i>Beauveria bassiana</i> 10959	DWR 1151 <i>Metarhizium</i> sp. 9858	DWR 1218 <i>Beauveria bassiana</i> 11062
DWR 1087 <i>Beauveria bassiana</i> 10960	DWR 1152 <i>Metarhizium</i> sp. 9859	DWR 1219 <i>Beauveria bassiana</i> 11063
DWR 1088 <i>Beauveria bassiana</i> 10961	DWR 1153 <i>Metarhizium</i> sp. 9860	DWR 1220 <i>Beauveria bassiana</i> 11064
DWR 1089 <i>Beauveria bassiana</i> 10962	DWR 1154 <i>Metarhizium</i> sp. 9861	DWR 1221 <i>Beauveria bassiana</i> 11065
DWR 1090 <i>Beauveria bassiana</i> 10963	DWR 1155 <i>Metarhizium</i> sp. 9862	DWR 1222 <i>Beauveria bassiana</i> 11066
DWR 1091 <i>Beauveria bassiana</i> 10964	DWR 1156 <i>Metarhizium</i> sp. 9863	DWR 1223 <i>Beauveria pseudobassiana</i> 11067
DWR 1092 <i>Beauveria bassiana</i> 10965	DWR 1157 <i>Metarhizium</i> sp. 9864	DWR 1224 <i>Beauveria pseudobassiana</i> 11068
DWR 1093 <i>Beauveria bassiana</i> 10966	DWR 1158 <i>Metarhizium</i> sp. 9865	DWR 1225 <i>Beauveria bassiana</i> 11069
DWR 1094 <i>Beauveria bassiana</i> 10967	DWR 1159 <i>Metarhizium</i> sp. 9866	DWR 1226 <i>Beauveria bassiana</i> 11070
DWR 1095 <i>Beauveria bassiana</i> 10968	DWR 1160 <i>Metarhizium</i> sp. 9867	DWR 1227 <i>Beauveria bassiana</i> 11071
DWR 1096 <i>Beauveria bassiana</i> 10969	DWR 1161 <i>Metarhizium</i> sp. 9868	DWR 1228 <i>Beauveria bassiana</i> 11072
DWR 1097 <i>Beauveria bassiana</i> 10970	DWR 1162 <i>Metarhizium</i> sp. 9869	DWR 1229 <i>Beauveria bassiana</i> 11073
DWR 1098 <i>Beauveria bassiana</i> 10971	DWR 1163 <i>Metarhizium</i> sp. 9870	DWR 1230 <i>Beauveria pseudobassiana</i> 11074
DWR 1099 <i>Beauveria bassiana</i> 10972	DWR 1164 <i>Metarhizium</i> sp. 9871	DWR 1231 <i>Beauveria bassiana</i> 11075
DWR 1100 <i>Beauveria bassiana</i> 10973	DWR 1165 <i>Metarhizium</i> sp. 9872	DWR 1232 <i>Beauveria bassiana</i> 11076
DWR 1101 <i>Beauveria bassiana</i> 10974	DWR 1166 <i>Metarhizium</i> sp. 9873	DWR 1233 <i>Beauveria bassiana</i> 11077
DWR 1102 <i>Beauveria bassiana</i> 10975	DWR 1167 <i>Beauveria bassiana</i> 11018	DWR 1234 <i>Beauveria bassiana</i> 11078
DWR 1103 <i>Beauveria bassiana</i> 10976	DWR 1168 <i>Beauveria bassiana</i> 11019	DWR 1235 <i>Beauveria bassiana</i> 11079
DWR 1104 <i>Beauveria bassiana</i> 10977	DWR 1169 <i>Beauveria bassiana</i> 11020	DWR 1236 <i>Beauveria bassiana</i> 11080
DWR 1105 <i>Beauveria bassiana</i> 10978	DWR 1170 <i>Beauveria bassiana</i> 11021	DWR 1237 <i>Beauveria bassiana</i> 11081
DWR 1106 <i>Beauveria bassiana</i> 10979	DWR 1171 <i>Beauveria bassiana</i> 11022	DWR 1238 <i>Beauveria bassiana</i> 11082
DWR 1107 <i>Beauveria bassiana</i> 10980	DWR 1172 <i>Beauveria bassiana</i> 11023	DWR 1239 <i>Metarhizium</i> sp. 9879
DWR 1108 <i>Beauveria bassiana</i> 10981	DWR 1173 <i>Beauveria bassiana</i> 11024	DWR 1240 <i>Metarhizium</i> sp. 9880
DWR 1109 <i>Beauveria bassiana</i> 10982	DWR 1174 <i>Beauveria bassiana</i> 11025	DWR 1241 <i>Metarhizium</i> sp. 9881
DWR 1110 <i>Beauveria bassiana</i> 10983	DWR 1175 <i>Beauveria bassiana</i> 11026	DWR 1242 <i>Metarhizium</i> sp. 9882
DWR 1111 <i>Beauveria bassiana</i> 10984	DWR 1176 <i>Beauveria bassiana</i> 11027	DWR 1243 <i>Metarhizium</i> sp. 9883
DWR 1112 <i>Beauveria bassiana</i> 10985	DWR 1177 <i>Beauveria bassiana</i> 11028	DWR 1244 <i>Metarhizium</i> sp. 9884
DWR 1113 <i>Beauveria bassiana</i> 10986	DWR 1178 <i>Beauveria bassiana</i> 11029	DWR 1245 <i>Metarhizium</i> sp. 9885
DWR 1114 <i>Beauveria pseudobassiana</i> 10987	DWR 1179 <i>Beauveria bassiana</i> 11030	DWR 1246 <i>Metarhizium</i> sp. 9886
DWR 1115 <i>Beauveria bassiana</i> 10988	DWR 1180 <i>Metarhizium</i> sp. 9874	DWR 1247 <i>Metarhizium</i> sp. 9946
DWR 1116 <i>Beauveria bassiana</i> 10989	DWR 1181 <i>Metarhizium</i> sp. 9875	DWR 1248 <i>Metarhizium</i> sp. 9947
DWR 1117 <i>Beauveria bassiana</i> 10990	DWR 1182 <i>Metarhizium</i> sp. 9876	DWR 1249 <i>Metarhizium</i> sp. 9948
DWR 1118 <i>Beauveria bassiana</i> 10991	DWR 1183 <i>Metarhizium</i> sp. 9877	DWR 1250 <i>Metarhizium</i> sp. 9949
DWR 1119 <i>Beauveria bassiana</i> 10992	DWR 1184 <i>Metarhizium</i> sp. 9878	DWR 1251 <i>Metarhizium</i> sp. 9950
DWR 1120 <i>Beauveria bassiana</i> 10993	DWR 1185 <i>Beauveria bassiana</i> 11031	DWR 1252 <i>Metarhizium</i> sp. 9951
DWR 1121 <i>Beauveria bassiana</i> 10994	DWR 1186 <i>Beauveria bassiana</i> 11032	DWR 1253 <i>Metarhizium</i> sp. 9952
DWR 1122 <i>Beauveria bassiana</i> 10995	DWR 1187 <i>Beauveria bassiana</i> 11033	DWR 1254 <i>Metarhizium</i> sp. 9953
DWR 1123 <i>Beauveria bassiana</i> 10996	DWR 1188 <i>Beauveria bassiana</i> 11034	DWR 1255 <i>Metarhizium</i> sp. 9954
DWR 1124 <i>Beauveria bassiana</i> 10997	DWR 1189 <i>Beauveria bassiana</i> 11035	DWR 1256 <i>Metarhizium</i> sp. 9955
DWR 1125 <i>Beauveria bassiana</i> 10998	DWR 1190 <i>Beauveria bassiana</i> 11036	DWR 1257 <i>Beauveria bassiana</i> 11083
DWR 1126 <i>Beauveria bassiana</i> 10999	DWR 1191 <i>Beauveria bassiana</i> 11037	DWR 1258 <i>Beauveria bassiana</i> 11084
DWR 1127 <i>Beauveria bassiana</i> 11000	DWR 1192 <i>Beauveria bassiana</i> 11038	DWR 1259 <i>Beauveria bassiana</i> 11085
DWR 1128 <i>Beauveria bassiana</i> 11001	DWR 1193 <i>Beauveria bassiana</i> 11039	DWR 1260 <i>Beauveria bassiana</i> 11086
DWR 1129 <i>Beauveria bassiana</i> 11002	DWR 1194 <i>Beauveria bassiana</i> 11040	DWR 1261 <i>Beauveria pseudobassiana</i> 11087
DWR 1130 <i>Beauveria bassiana</i> 11003	DWR 1195 <i>Beauveria bassiana</i> 11041	DWR 1262 <i>Beauveria bassiana</i> 11088
DWR 1131 <i>Beauveria bassiana</i> 11004	DWR 1196 <i>Beauveria bassiana</i> 11588	DWR 1263 <i>Beauveria bassiana</i> 11089
DWR 1132 <i>Beauveria bassiana</i> 11005	DWR 1197 <i>Beauveria bassiana</i> 11042	
DWR 1133 <i>Beauveria bassiana</i> 11006	DWR 1198 <i>Beauveria bassiana</i> 11043	
DWR 1134 <i>Beauveria bassiana</i> 11007	DWR 1199 <i>Beauveria bassiana</i> 11044	
DWR 1135 <i>Beauveria bassiana</i> 11008	DWR 1200 <i>Beauveria bassiana</i> 11045	
DWR 1136 <i>Beauveria bassiana</i> 11009	DWR 1201 <i>Beauveria bassiana</i> 11046	
DWR 1137 <i>Beauveria bassiana</i> 11010	DWR 1202 <i>Beauveria bassiana</i> 11047	
	DWR 1203 <i>Beauveria bassiana</i> 11048	

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DWR 1265 *Beauveria bassiana* 11091
DWR 1266 *Beauveria bassiana* 11092
DWR 1267 *Beauveria bassiana* 11093
DWR 1268 *Beauveria bassiana* 11094
DWR 1269 *Beauveria bassiana* 11095
DWR 1270 *Beauveria bassiana* 11096
DWR 1271 *Beauveria bassiana* 11097
DWR 1272 *Beauveria bassiana* 11098
DWR 1273 *Beauveria bassiana* 11099
DWR 1274 *Beauveria bassiana* 11100
DWR 1275 *Beauveria bassiana* 11101
DWR 1276 *Beauveria bassiana* 11102
DWR 1277 *Beauveria bassiana* 11103
DWR 1278 *Beauveria bassiana* 11104
DWR 1279 *Beauveria pseudobassiana* 11105
DWR 1280 *Metarhizium* sp. 9956
DWR 1281 *Metarhizium* sp. 9957
DWR 1282 *Metarhizium* sp. 9958
DWR 1283 *Metarhizium* sp. 9959
DWR 1284 *Metarhizium* sp. 9960
DWR 1285 *Metarhizium* sp. 9961
DWR 1286 *Metarhizium* sp. 9962
DWR 1287 *Metarhizium* sp. 9963
DWR 1288 *Metarhizium* sp. 9964
DWR 1289 *Metarhizium* sp. 9965
DWR 1290 *Metarhizium* sp. 9966
DWR 1291 *Metarhizium* sp. 9967
DWR 1292 *Metarhizium* sp. 9968
DWR 1293 *Metarhizium* sp. 9969
DWR 1294 *Metarhizium* sp. 9970
DWR 1295 *Metarhizium* sp. 9971
DWR 1296 *Metarhizium* sp. 9972
DWR 1297 *Metarhizium* sp. 9973
DWR 1298 *Beauveria bassiana* 11106
DWR 1299 *Beauveria bassiana* 11107
DWR 1300 *Beauveria bassiana* 11108
DWR 1301 *Beauveria bassiana* 11109
DWR 1302 *Beauveria pseudobassiana* 11110
DWR 1303 *Beauveria bassiana* 11111
DWR 1304 *Beauveria bassiana* 11112
DWR 1305 *Beauveria amorphia* 11113
DWR 1306 *Beauveria bassiana* 11114
DWR 1307 *Beauveria bassiana* 11115
DWR 1308 *Beauveria bassiana* 11116
DWR 1309 *Beauveria bassiana* 11117
DWR 1310 *Metarhizium* sp. 9974
DWR 1311 *Beauveria bassiana* 11118
DWR 1312 *Beauveria bassiana* 11119
DWR 1313 *Beauveria bassiana* 11120
DWR 1314 *Beauveria bassiana* 11121
DWR 1315 *Beauveria bassiana* 11122
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DWR 1317 *Beauveria bassiana* 11124
DWR 1318 *Beauveria bassiana* 11125
DWR 1319 *Beauveria bassiana* 11126
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DWR 1321 *Beauveria bassiana* 11128
DWR 1322 *Beauveria bassiana* 11129
DWR 1323 *Beauveria bassiana* 11130
DWR 1324 *Metarhizium* sp. 9975
DWR 1325 *Metarhizium* sp. 9976
DWR 1326 *Metarhizium* sp. 9977
DWR 1327 *Metarhizium* sp. 9978
DWR 1328 *Beauveria bassiana* 11131
DWR 1329 *Beauveria bassiana* 11132
DWR 1330 *Beauveria bassiana* 11133
DWR 1331 *Beauveria bassiana* 11134
DWR 1332 *Beauveria bassiana* 11135
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DWR 1334 *Beauveria bassiana* 11137
DWR 1335 *Beauveria bassiana* 11138
DWR 1336 *Beauveria bassiana* 11139
DWR 1337 *Metarhizium* sp. 9979
DWR 1338 *Metarhizium* sp. 9980
DWR 1339 *Beauveria bassiana* 11140
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DWR 1341 *Beauveria bassiana* 11142
DWR 1342 *Beauveria bassiana* 11143
DWR 1343 *Beauveria bassiana* 11144
DWR 1344 *Metarhizium* sp. 9981
DWR 1345 *Metarhizium* sp. 9982
DWR 1346 *Metarhizium* sp. 9983
DWR 1347 *Metarhizium* sp. 9984
DWR 1348 *Beauveria bassiana* 11145
DWR 1349 *Beauveria bassiana* 11146
DWR 1350 *Beauveria bassiana* 11147
DWR 1351 *Beauveria bassiana* 11148
DWR 1352 *Beauveria bassiana* 11149
DWR 1353 *Beauveria bassiana* 12194
DWR 1354 *Beauveria bassiana* 11150
DWR 1357 *Beauveria bassiana* 11151
DWR 1358 *Beauveria bassiana* 11152
DWR 1359 *Beauveria bassiana* 11153
DWR 1361 *Metarhizium* sp. 9985
DWR 1362 *Metarhizium* sp. 9986
DWR 1363 *Beauveria bassiana* 11154
DWR 1364 *Beauveria bassiana* 11155
DWR 1365 *Beauveria bassiana* 11156
DWR 1366 *Beauveria bassiana* 11157
DWR 1367 *Beauveria bassiana* 11158
DWR 1368 *Beauveria bassiana* 11159
DWR 1369 *Beauveria bassiana* 11160
DWR 137 *Metarhizium anisopliae* sensu lato 6761
DWR 1370 *Beauveria bassiana* 11161
DWR 1371 *Beauveria bassiana* 11162
DWR 1372 *Beauveria bassiana* 11163
DWR 1373 *Beauveria bassiana* 11164
DWR 1374 *Metarhizium* sp. 9987
DWR 1375 *Metarhizium* sp. 9988
DWR 1376 *Metarhizium* sp. 9989
DWR 1377 *Metarhizium* sp. 9990
DWR 1378 *Metarhizium* sp. 9991
DWR 1379 *Metarhizium* sp. 9992
DWR 138 *Metarhizium anisopliae* sensu lato 6762
DWR 1380 *Metarhizium* sp. 9993
DWR 1381 *Metarhizium* sp. 9994
DWR 1382 *Metarhizium* sp. 9995
DWR 1387 *Metarhizium* sp. 9996
DWR 1395 *Metarhizium* sp. 9997
DWR 1399 *Metarhizium* sp. 9998
DWR 1400 *Beauveria bassiana* 11165
DWR 1401 *Beauveria bassiana* 11166
DWR 1402 *Beauveria bassiana* 11167
DWR 1403 *Beauveria bassiana* 11168
DWR 1404 *Beauveria bassiana* 11169
DWR 1405 *Beauveria bassiana* 11170
DWR 1406 *Beauveria bassiana* 11171
DWR 1408 *Metarhizium* sp. 9999
DWR 1409 *Metarhizium* sp. 10001
DWR 1410 *Metarhizium* sp. 10002
DWR 1411 *Metarhizium* sp. 10003
DWR 1412 *Metarhizium* sp. 10004
DWR 1413 *Metarhizium* sp. 10005
DWR 1414 *Metarhizium* sp. 10006
DWR 1415 *Metarhizium* sp. 10007
DWR 1416 *Metarhizium* sp. 10008
DWR 1417 *Metarhizium* sp. 10009
DWR 1418 *Metarhizium* sp. 10010
DWR 1419 *Metarhizium* sp. 10011
DWR 142 *Metarhizium anisopliae* sensu lato 6989
DWR 1420 *Metarhizium* sp. 10012
DWR 1421 *Metarhizium* sp. 10013
DWR 1422 *Metarhizium* sp. 10014
DWR 1423 *Beauveria bassiana* 11172
DWR 1424 *Beauveria bassiana* 11173
DWR 1425 *Beauveria bassiana* 11174
DWR 1426 *Beauveria bassiana* 11175
DWR 1427 *Beauveria bassiana* 11176
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DWR 1429 *Beauveria bassiana* 11178
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DWR 1431 *Beauveria bassiana* 11180
DWR 1432 *Beauveria bassiana* 11181
DWR 1433 *Beauveria bassiana* 11182
DWR 1434 *Beauveria bassiana* 11183
DWR 1435 *Beauveria bassiana* 11184
DWR 1436 *Beauveria bassiana* 11185
DWR 1437 *Myriodontium keratinophilum* 11186
DWR 1438 *Beauveria bassiana* 11187
DWR 1439 *Beauveria bassiana* 11188
DWR 144 *Metarhizium anisopliae* sensu lato 6990
DWR 1440 *Beauveria bassiana* 11189
DWR 1441 *Beauveria bassiana* 11190
DWR 1442 *Beauveria bassiana* 11191
DWR 1443 *Beauveria bassiana* 11192
DWR 1444 *Beauveria bassiana* 11193
DWR 1445 *Beauveria bassiana* 11194
DWR 1446 *Metarhizium* sp. 10015
DWR 1447 *Metarhizium* sp. 10016
DWR 1448 *Metarhizium* sp. 10017
DWR 1449 *Metarhizium* sp. 10018
DWR 145 *Metarhizium anisopliae* sensu lato 6991
DWR 1450 *Metarhizium* sp. 10019
DWR 1451 *Metarhizium* sp. 10020
DWR 1455 *Beauveria bassiana* 11195
DWR 1456 *Beauveria bassiana* 11196
DWR 1457 *Beauveria bassiana* 11197
DWR 1458 *Beauveria bassiana* 11198
DWR 1459 *Beauveria bassiana* 11199
DWR 146 *Metarhizium anisopliae* sensu lato 6763
DWR 1460 *Beauveria bassiana* 11200
DWR 1461 *Beauveria bassiana* 11201
DWR 1462 *Beauveria bassiana* 11202
DWR 1463 *Beauveria bassiana* 11203
DWR 1464 *Beauveria bassiana* 11204
DWR 1465 *Beauveria bassiana* 11205
DWR 1466 *Beauveria bassiana* 11206
DWR 1467 *Beauveria bassiana* 11207

- DWR 1468 *Metarhizium* sp. 10021
DWR 1469 *Metarhizium* sp. 10022
DWR 147 *Metarhizium anisopliae* sensu lato 6992
DWR 1470 *Metarhizium* sp. 10023
DWR 1471 *Metarhizium* sp. 10024
DWR 1472 *Metarhizium* sp. 10025
DWR 1473 *Metarhizium* sp. 10026
DWR 1476 *Beauveria bassiana* 11208
DWR 1477 *Beauveria bassiana* 11209
DWR 1478 *Beauveria bassiana* 11210
DWR 1479 *Beauveria bassiana* 11211
DWR 148 *Metarhizium anisopliae* sensu lato 6993
DWR 1480 *Beauveria bassiana* 11212
DWR 1481 *Beauveria bassiana* 11213
DWR 1482 *Beauveria bassiana* 11214
DWR 1483 *Beauveria bassiana* 11215
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DWR 1486 *Beauveria bassiana* 11218
DWR 1487 *Beauveria bassiana* 11219
DWR 1488 *Beauveria bassiana* 11220
DWR 1489 *Metarhizium* sp. 10027
DWR 149 *Metarhizium anisopliae* sensu lato 6995
DWR 1490 *Metarhizium* sp. 10028
DWR 1491 *Metarhizium* sp. 10029
DWR 1492 *Beauveria bassiana* 11221
DWR 1493 *Beauveria bassiana* 11222
DWR 1494 *Beauveria bassiana* 11223
DWR 1495 *Beauveria bassiana* 11224
DWR 1496 *Beauveria bassiana* 11225
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DWR 1498 *Beauveria bassiana* 11227
DWR 1499 *Beauveria bassiana* 11228
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DWR 1501 *Beauveria bassiana* 11230
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DWR 1504 *Beauveria bassiana* 11233
DWR 1505 *Beauveria bassiana* 11234
DWR 1506 *Metarhizium* sp. 10030
DWR 1507 *Metarhizium* sp. 10031
DWR 1508 *Beauveria bassiana* 11235
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DWR 1514 *Beauveria bassiana* 11241
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DWR 1516 *Metarhizium* sp. 10032
DWR 1517 *Metarhizium* sp. 10033
DWR 1518 *Metarhizium* sp. 10034
DWR 1519 *Metarhizium* sp. 10035
DWR 1520 *Metarhizium* sp. 10036
DWR 1521 *Beauveria bassiana* 11243
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DWR 1524 *Beauveria bassiana* 11246
DWR 1525 *Beauveria bassiana* 11247
DWR 1526 *Beauveria bassiana* 11248
DWR 1527 *Metarhizium* sp. 10037
DWR 1528 *Metarhizium* sp. 10038
DWR 1529 *Beauveria bassiana* 11249
DWR 1530 *Beauveria bassiana* 11250
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DWR 1539 *Beauveria bassiana* 11259
DWR 1540 *Metarhizium* sp. 10039
DWR 1541 *Metarhizium* sp. 10040
DWR 1542 *Metarhizium* sp. 10041
DWR 1543 *Metarhizium* sp. 10042
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DWR 1545 *Metarhizium* sp. 10044
DWR 1546 *Metarhizium* sp. 10045
DWR 1547 *Metarhizium* sp. 10046
DWR 1548 *Metarhizium* sp. 10047
DWR 1549 *Beauveria bassiana* 11260
DWR 1550 *Beauveria bassiana* 11261
DWR 1551 *Beauveria bassiana* 11262
DWR 1552 *Beauveria bassiana* 11263
DWR 1553 *Metarhizium* sp. 10048
DWR 1554 *Metarhizium* sp. 10049
DWR 1555 *Metarhizium* sp. 10050
DWR 1556 *Metarhizium* sp. 10051
DWR 1557 *Metarhizium* sp. 10052
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DWR 1576 *Beauveria bassiana* 11282
DWR 1577 *Beauveria bassiana* 11283
DWR 1578 *Beauveria bassiana* 11284
DWR 1579 *Beauveria bassiana* 11285
DWR 158 *Metarhizium acridum* 6851
DWR 1580 *Metarhizium* sp. 10053
DWR 1581 *Metarhizium* sp. 10054
DWR 1582 *Metarhizium* sp. 10055
DWR 1583 *Metarhizium* sp. 10056
DWR 1584 *Metarhizium* sp. 10057
DWR 1585 *Beauveria bassiana* 11286
DWR 1586 *Beauveria bassiana* 11287
DWR 1587 *Beauveria bassiana* 11288
DWR 1588 *Beauveria bassiana* 11289
DWR 1589 *Beauveria bassiana* 11290
DWR 159 *Metarhizium acridum* 6852
DWR 1590 *Beauveria bassiana* 11291
DWR 1591 *Metarhizium* sp. 10058
DWR 1592 *Metarhizium* sp. 10059
DWR 1593 *Beauveria bassiana* 11292
DWR 1594 *Beauveria bassiana* 11293
DWR 1595 *Beauveria bassiana* 11294
DWR 1596 *Beauveria bassiana* 11295
DWR 1597 *Beauveria bassiana* 11296
DWR 1598 *Beauveria bassiana* 11297
DWR 1599 *Beauveria bassiana* 11298
DWR 160 *Metarhizium acridum* 6853
DWR 1600 *Beauveria bassiana* 11299
DWR 1601 *Metarhizium* sp. 10060
DWR 1602 *Metarhizium* sp. 10061
DWR 1603 *Beauveria bassiana* 11300
DWR 1604 *Beauveria bassiana* 11301
DWR 1605 *Beauveria bassiana* 11302
DWR 1606 *Beauveria bassiana* 11303
DWR 1607 *Beauveria bassiana* 11304
DWR 1608 *Beauveria bassiana* 11305
DWR 1609 *Beauveria bassiana* 11306
DWR 161 *Metarhizium acridum* 6854
DWR 1610 *Metarhizium* sp. 10062
DWR 1611 *Metarhizium* sp. 10063
DWR 1612 *Metarhizium* sp. 10064
DWR 1613 *Metarhizium* sp. 10065
DWR 1614 *Metarhizium* sp. 10066
DWR 1615 *Metarhizium* sp. 10067
DWR 1616 *Lecanicillium muscarium* 11307
DWR 1617 *Beauveria bassiana* 11308
DWR 1618 *Beauveria bassiana* 11309
DWR 1619 *Beauveria bassiana* 11310
DWR 162 *Metarhizium acridum* 6855
DWR 1620 *Beauveria bassiana* 11311
DWR 1621 *Beauveria bassiana* 11312
DWR 1622 *Beauveria bassiana* 11313
DWR 1623 *Beauveria bassiana* 11314
DWR 1624 *Beauveria bassiana* 11315
DWR 1625 *Beauveria bassiana* 11316
DWR 1626 *Beauveria bassiana* 11317
DWR 1627 *Beauveria bassiana* 11318
DWR 1628 *Beauveria bassiana* 11319
DWR 1629 *Beauveria bassiana* 11320
DWR 163 *Metarhizium acridum* 6856
DWR 1630 *Beauveria bassiana* 11321
DWR 1631 *Beauveria bassiana* 11322
DWR 1632 *Beauveria bassiana* 11323
DWR 1633 *Beauveria bassiana* 11324
DWR 1634 *Beauveria bassiana* 11325
DWR 1635 *Beauveria bassiana* 11326
DWR 1636 *Beauveria bassiana* 11327
DWR 1637 *Beauveria bassiana* 11328
DWR 1638 *Beauveria bassiana* 11329
DWR 1639 *Beauveria bassiana* 11330
DWR 164 *Metarhizium acridum* 6857
DWR 1640 *Beauveria bassiana* 11331
DWR 1641 *Beauveria bassiana* 11332
DWR 1642 *Beauveria bassiana* 11333
DWR 1643 *Beauveria bassiana* 11334
DWR 1644 *Beauveria bassiana* 11335
DWR 1645 *Beauveria bassiana* 11336
DWR 1646 *Beauveria bassiana* 11337
DWR 1647 *Beauveria bassiana* 11338
DWR 1648 *Beauveria bassiana* 11339
DWR 1649 *Beauveria bassiana* 11340
DWR 165 *Metarhizium acridum* 6858
DWR 1650 *Beauveria bassiana* 11341
DWR 1651 *Beauveria bassiana* 11342
DWR 1652 *Metarhizium* sp. 10068

- DWR 1653 *Metarhizium* sp. 10069
 DWR 1654 *Metarhizium* sp. 10070
 DWR 1655 *Metarhizium* sp. 10071
 DWR 1656 *Metarhizium* sp. 10072
 DWR 1657 *Metarhizium* sp. 10073
 DWR 1658 *Metarhizium* sp. 10074
 DWR 1659 *Metarhizium* sp. 10075
 DWR 166 *Metarhizium acridum* 6859
 DWR 1660 *Metarhizium* sp. 10076
 DWR 1661 *Beauveria bassiana* 11343
 DWR 1662 *Beauveria bassiana* 11344
 DWR 1663 *Beauveria bassiana* 11345
 DWR 1664 *Beauveria bassiana* 11346
 DWR 1665 *Beauveria bassiana* 11347
 DWR 1666 *Beauveria bassiana* 11348
 DWR 1667 *Beauveria bassiana* 11349
 DWR 1668 *Beauveria bassiana* 11350
 DWR 1669 *Beauveria bassiana* 11351
 DWR 167 *Metarhizium anisopliae* sensu lato 6860
 DWR 1670 *Beauveria bassiana* 11352
 DWR 1671 *Beauveria bassiana* 11353
 DWR 1672 *Beauveria bassiana* 11354
 DWR 1673 *Beauveria bassiana* 11355
 DWR 1674 *Beauveria bassiana* 11356
 DWR 1675 *Beauveria bassiana* 11357
 DWR 1676 *Beauveria bassiana* 11358
 DWR 1677 *Beauveria bassiana* 11359
 DWR 1678 *Beauveria bassiana* 11360
 DWR 1679 *Beauveria bassiana* 11361
 DWR 168 *Metarhizium anisopliae* sensu lato 6861
 DWR 1680 *Beauveria bassiana* 11362
 DWR 1681 *Beauveria bassiana* 11363
 DWR 1682 *Beauveria bassiana* 11364
 DWR 1683 *Metarhizium* sp. 10077
 DWR 1684 *Metarhizium* sp. 10078
 DWR 1685 *Metarhizium* sp. 10079
 DWR 1686 *Metarhizium* sp. 10080
 DWR 1687 *Metarhizium* sp. 10081
 DWR 1688 *Metarhizium* sp. 10082
 DWR 1689 *Metarhizium* sp. 10083
 DWR 1690 *Metarhizium* sp. 10084
 DWR 1691 *Beauveria bassiana* 11365
 DWR 1692 *Beauveria bassiana* 11366
 DWR 1693 *Beauveria bassiana* 11367
 DWR 1694 *Beauveria bassiana* 11368
 DWR 1695 *Beauveria bassiana* 11369
 DWR 1696 *Beauveria bassiana* 11370
 DWR 1697 *Beauveria bassiana* 11371
 DWR 1698 *Beauveria bassiana* 11372
 DWR 1699 *Metarhizium* sp. 10085
 DWR 1700 *Metarhizium* sp. 10086
 DWR 1701 *Metarhizium* sp. 10087
 DWR 1702 *Metarhizium* sp. 10088
 DWR 1703 *Metarhizium* sp. 10089
 DWR 1704 *Metarhizium* sp. 10090
 DWR 1705 *Metarhizium* sp. 10091
 DWR 1706 *Metarhizium* sp. 10092
 DWR 1707 *Metarhizium* sp. 10093
 DWR 1708 *Metarhizium* sp. 10094
 DWR 1709 *Metarhizium* sp. 10095
 DWR 171 *Metarhizium anisopliae* sensu lato 6863
 DWR 1710 *Metarhizium* sp. 10096
 DWR 1711 *Beauveria bassiana* 11373
 DWR 1712 *Beauveria bassiana* 11374
 DWR 1713 *Beauveria bassiana* 11375
 DWR 1714 *Metarhizium* sp. 10097
 DWR 1715 *Metarhizium* sp. 10098
 DWR 1716 *Metarhizium* sp. 10099
 DWR 1717 *Metarhizium* sp. 10100
 DWR 1718 *Metarhizium* sp. 10101
 DWR 1719 *Metarhizium* sp. 10102
 DWR 172 *Metarhizium robertsii* 6864
 DWR 1720 *Metarhizium* sp. 10103
 DWR 1721 *Metarhizium* sp. 10104
 DWR 1722 *Metarhizium* sp. 10105
 DWR 1723 *Metarhizium* sp. 10106
 DWR 1724 *Beauveria bassiana* 11376
 DWR 1725 *Beauveria bassiana* 11377
 DWR 1726 *Beauveria bassiana* 11378
 DWR 1727 *Beauveria bassiana* 11379
 DWR 1728 *Beauveria bassiana* 11380
 DWR 1729 *Beauveria bassiana* 11381
 DWR 173 *Metarhizium robertsii* 6865
 DWR 1730 *Beauveria bassiana* 11382
 DWR 1731 *Beauveria bassiana* 11383
 DWR 1732 *Beauveria bassiana* 11384
 DWR 1733 *Beauveria bassiana* 11385
 DWR 1734 *Beauveria bassiana* 11386
 DWR 1735 *Beauveria* sp. 11387
 DWR 1736 *Beauveria bassiana* 11388
 DWR 1737 *Beauveria bassiana* 11389
 DWR 1738 *Beauveria bassiana* 11390
 DWR 1739 *Beauveria bassiana* 11391
 DWR 1740 *Metarhizium* sp. 10107
 DWR 1741 *Metarhizium* sp. 10108
 DWR 1742 *Metarhizium* sp. 10109
 DWR 1743 *Metarhizium* sp. 10110
 DWR 1744 *Metarhizium* sp. 10111
 DWR 1745 *Beauveria bassiana* 11392
 DWR 1746 *Beauveria bassiana* 11393
 DWR 1747 *Beauveria bassiana* 11394
 DWR 1748 *Beauveria bassiana* 11395
 DWR 1749 *Beauveria bassiana* 11396
 DWR 1750 *Beauveria bassiana* 11397
 DWR 1751 *Beauveria bassiana* 11398
 DWR 1752 *Beauveria bassiana* 11399
 DWR 1753 *Beauveria bassiana* 11400
 DWR 1754 *Beauveria bassiana* 11401
 DWR 1755 *Beauveria bassiana* 11402
 DWR 1756 *Beauveria bassiana* 11403
 DWR 1757 *Beauveria bassiana* 11404
 DWR 1758 *Beauveria bassiana* 11405
 DWR 1759 *Beauveria bassiana* 11406
 DWR 176 *Metarhizium anisopliae* sensu lato 6996
 DWR 1760 *Beauveria bassiana* 11407
 DWR 1761 *Beauveria bassiana* 11408
 DWR 1762 *Beauveria bassiana* 11409
 DWR 1763 *Metarhizium* sp. 10112
 DWR 1764 *Metarhizium* sp. 10113
 DWR 1765 *Metarhizium* sp. 10114
 DWR 1766 *Metarhizium* sp. 10115
 DWR 1767 *Metarhizium* sp. 10116
 DWR 1768 *Beauveria bassiana* 11410
 DWR 1769 *Beauveria bassiana* 11411
 DWR 1770 *Beauveria bassiana* 11412
 DWR 1771 *Metarhizium* sp. 10117
 DWR 1772 *Beauveria bassiana* 11413
 DWR 1773 *Beauveria bassiana* 11414
 DWR 1774 *Beauveria bassiana* 11415
 DWR 1775 *Beauveria bassiana* 11416
 DWR 1776 *Beauveria bassiana* 11417
 DWR 1777 *Beauveria bassiana* 11418
 DWR 1778 *Beauveria bassiana* 11419
 DWR 1779 *Beauveria bassiana* 11420
 DWR 1780 *Beauveria bassiana* 11421
 DWR 1781 *Beauveria bassiana* 11422
 DWR 1782 *Beauveria bassiana* 11423
 DWR 1783 *Beauveria bassiana* 11424
 DWR 1784 *Beauveria bassiana* 11425
 DWR 1785 *Beauveria bassiana* 11426
 DWR 1786 *Beauveria bassiana* 11427
 DWR 1787 *Beauveria bassiana* 11428
 DWR 1788 *Beauveria bassiana* 11429
 DWR 1789 *Beauveria bassiana* 11430
 DWR 179 *Metarhizium anisopliae* sensu lato 6997
 DWR 1790 *Beauveria bassiana* 11431
 DWR 1791 *Beauveria bassiana* 11432
 DWR 1792 *Beauveria bassiana* 11433
 DWR 1793 *Beauveria bassiana* 11434
 DWR 1794 *Beauveria bassiana* 11435
 DWR 1795 *Beauveria bassiana* 11436
 DWR 1796 *Beauveria bassiana* 11437
 DWR 1797 *Beauveria bassiana* 11438
 DWR 1798 *Beauveria bassiana* 11439
 DWR 1799 *Beauveria bassiana* 11440
 DWR 180 *Metarhizium anisopliae* sensu lato 6998
 DWR 1800 *Beauveria bassiana* 11441
 DWR 1801 *Beauveria bassiana* 11442
 DWR 1802 *Beauveria bassiana* 11443
 DWR 1803 *Beauveria bassiana* 11444
 DWR 1804 *Beauveria bassiana* 11445
 DWR 1805 *Beauveria bassiana* 11446
 DWR 1806 *Beauveria bassiana* 11447
 DWR 1807 *Beauveria bassiana* 11448
 DWR 1808 *Metarhizium* sp. 10118
 DWR 1809 *Metarhizium* sp. 10119
 DWR 181 *Metarhizium anisopliae* sensu lato 6999
 DWR 1810 *Metarhizium* sp. 10120
 DWR 1811 *Metarhizium* sp. 10121
 DWR 1812 *Metarhizium* sp. 10122
 DWR 1813 *Metarhizium* sp. 10123
 DWR 1814 *Metarhizium* sp. 10124
 DWR 1815 *Metarhizium* sp. 10125
 DWR 1816 *Beauveria bassiana* 11449
 DWR 1817 *Beauveria bassiana* 11450
 DWR 1818 *Beauveria bassiana* 11451
 DWR 1819 *Beauveria bassiana* 11452
 DWR 1820 *Beauveria bassiana* 11453
 DWR 1821 *Beauveria bassiana* 11454
 DWR 1822 *Beauveria bassiana* 11455
 DWR 1823 *Beauveria bassiana* 11456
 DWR 1824 *Beauveria bassiana* 11457
 DWR 1825 *Beauveria bassiana* 11458
 DWR 1826 *Beauveria bassiana* 11459
 DWR 1827 *Beauveria bassiana* 11460
 DWR 1828 *Beauveria bassiana* 11461
 DWR 1829 *Beauveria bassiana* 11462
 DWR 1830 *Beauveria bassiana* 11463
 DWR 1831 *Beauveria bassiana* 11464
 DWR 1832 *Beauveria bassiana* 11465
 DWR 1833 *Beauveria bassiana* 11466

DWR 1834 <i>Beauveria bassiana</i> 11467	DWR 1900 <i>Beauveria bassiana</i> 11524	DWR 1966 <i>Beauveria bassiana</i> 11575
DWR 1835 <i>Beauveria bassiana</i> 11468	DWR 1901 <i>Beauveria bassiana</i> 11525	DWR 1967 <i>Beauveria bassiana</i> 11576
DWR 1836 <i>Beauveria bassiana</i> 11469	DWR 1902 <i>Beauveria bassiana</i> 11526	DWR 1968 <i>Beauveria bassiana</i> 11577
DWR 1837 <i>Beauveria bassiana</i> 11470	DWR 1903 <i>Beauveria bassiana</i> 11527	DWR 1969 <i>Beauveria bassiana</i> 11578
DWR 1838 <i>Beauveria bassiana</i> 11471	DWR 1904 <i>Beauveria bassiana</i> 11528	DWR 1970 <i>Beauveria bassiana</i> 11579
DWR 1839 <i>Beauveria bassiana</i> 11472	DWR 1905 <i>Beauveria bassiana</i> 11529	DWR 1971 <i>Metarhizium</i> sp. 10333
DWR 1840 <i>Beauveria bassiana</i> 11473	DWR 1906 <i>Beauveria bassiana</i> 11530	DWR 1972 <i>Beauveria bassiana</i> 11580
DWR 1841 <i>Beauveria bassiana</i> 11474	DWR 1907 <i>Beauveria bassiana</i> 11531	DWR 1973 <i>Beauveria bassiana</i> 11581
DWR 1842 <i>Beauveria bassiana</i> 11475	DWR 1908 <i>Metarhizium</i> sp. 10321	DWR 1974 <i>Beauveria bassiana</i> 11582
DWR 1843 <i>Beauveria bassiana</i> 11476	DWR 1909 <i>Metarhizium</i> sp. 10322	DWR 1975 <i>Beauveria bassiana</i> 11583
DWR 1844 <i>Metarhizium</i> sp. 10126	DWR 1910 <i>Beauveria bassiana</i> 11532	DWR 1976 <i>Beauveria bassiana</i> 11879
DWR 1845 <i>Metarhizium</i> sp. 10314	DWR 1911 <i>Beauveria bassiana</i> 11533	DWR 1977 <i>Beauveria bassiana</i> 11880
DWR 1846 <i>Beauveria bassiana</i> 11477	DWR 1912 <i>Beauveria bassiana</i> 11534	DWR 1978 <i>Beauveria bassiana</i> 11584
DWR 1847 <i>Beauveria bassiana</i> 11478	DWR 1913 <i>Beauveria bassiana</i> 11535	DWR 1979 <i>Beauveria bassiana</i> 11585
DWR 1848 <i>Beauveria bassiana</i> 11479	DWR 1914 <i>Beauveria bassiana</i> 11536	DWR 1980 <i>Beauveria bassiana</i> 11586
DWR 1849 <i>Beauveria bassiana</i> 11480	DWR 1915 <i>Beauveria bassiana</i> 11537	DWR 1981 <i>Beauveria bassiana</i> 11587
DWR 1850 <i>Beauveria bassiana</i> 11481	DWR 1916 <i>Beauveria bassiana</i> 11538	DWR 1983 <i>Beauveria bassiana</i> 11881
DWR 1851 <i>Beauveria bassiana</i> 11482	DWR 1917 <i>Beauveria bassiana</i> 11539	DWR 1984 <i>Beauveria bassiana</i> 11882
DWR 1852 <i>Beauveria bassiana</i> 11483	DWR 1918 <i>Beauveria bassiana</i> 11540	DWR 1985 <i>Beauveria bassiana</i> 11883
DWR 1853 <i>Beauveria bassiana</i> 11484	DWR 1919 <i>Beauveria bassiana</i> 11541	DWR 1986 <i>Beauveria bassiana</i> 11884
DWR 1854 <i>Beauveria bassiana</i> 11485	DWR 1920 <i>Beauveria bassiana</i> 11542	DWR 1987 <i>Beauveria bassiana</i> 11885
DWR 1855 <i>Metarhizium</i> sp. 10315	DWR 1921 <i>Beauveria bassiana</i> 11543	DWR 1988 <i>Beauveria bassiana</i> 11589
DWR 1856 <i>Metarhizium</i> sp. 10316	DWR 1922 <i>Beauveria bassiana</i> 11544	DWR 1989 <i>Beauveria bassiana</i> 11590
DWR 1857 <i>Metarhizium</i> sp. 10317	DWR 1923 <i>Beauveria bassiana</i> 11545	DWR 1990 <i>Beauveria bassiana</i> 11591
DWR 1858 <i>Metarhizium</i> sp. 10318	DWR 1924 <i>Beauveria bassiana</i> 11546	DWR 1991 <i>Beauveria bassiana</i> 11592
DWR 1859 <i>Metarhizium</i> sp. 10319	DWR 1925 <i>Beauveria bassiana</i> 11547	DWR 1992 <i>Beauveria bassiana</i> 11593
DWR 1860 <i>Metarhizium</i> sp. 10320	DWR 1926 <i>Beauveria bassiana</i> 11548	DWR 1993 <i>Beauveria bassiana</i> 11594
DWR 1861 <i>Beauveria bassiana</i> 11486	DWR 1927 <i>Beauveria bassiana</i> 11549	DWR 1994 <i>Beauveria bassiana</i> 11595
DWR 1862 <i>Beauveria bassiana</i> 11487	DWR 1928 <i>Beauveria bassiana</i> 11550	DWR 1995 <i>Beauveria bassiana</i> 11596
DWR 1863 <i>Beauveria bassiana</i> 11488	DWR 1929 <i>Beauveria bassiana</i> 11551	DWR 1996 <i>Metarhizium</i> sp. 10334
DWR 1864 <i>Beauveria bassiana</i> 11489	DWR 1930 <i>Beauveria bassiana</i> 11552	DWR 1997 <i>Metarhizium robertsii</i> 10000
DWR 1865 <i>Beauveria bassiana</i> 11490	DWR 1931 <i>Beauveria bassiana</i> 11553	DWR 1998 <i>Metarhizium</i> sp. 10335
DWR 1866 <i>Beauveria bassiana</i> 11491	DWR 1932 <i>Beauveria bassiana</i> 11554	DWR 1999 <i>Metarhizium</i> sp. 10336
DWR 1867 <i>Beauveria bassiana</i> 11492	DWR 1933 <i>Beauveria bassiana</i> 11555	DWR 200 <i>Metarhizium anisopliae</i> sensu lato 7847
DWR 1868 <i>Beauveria bassiana</i> 11493	DWR 1934 <i>Beauveria bassiana</i> 11556	DWR 200 <i>Metarhizium anisopliae</i> sensu lato 8363
DWR 1869 <i>Beauveria bassiana</i> 11494	DWR 1935 <i>Beauveria bassiana</i> 11557	DWR 2000 <i>Beauveria bassiana</i> 11597
DWR 1870 <i>Beauveria bassiana</i> 11495	DWR 1936 <i>Beauveria bassiana</i> 11558	DWR 2001 <i>Beauveria bassiana</i> 11598
DWR 1871 <i>Beauveria bassiana</i> 11496	DWR 1937 <i>Beauveria bassiana</i> 11559	DWR 2002 <i>Beauveria bassiana</i> 11599
DWR 1872 <i>Beauveria bassiana</i> 11497	DWR 1938 <i>Metarhizium</i> sp. 10323	DWR 2003 <i>Metarhizium</i> sp. 10337
DWR 1873 <i>Beauveria bassiana</i> 11498	DWR 1939 <i>Beauveria bassiana</i> 11876	DWR 2004 <i>Metarhizium</i> sp. 10338
DWR 1874 <i>Beauveria bassiana</i> 11499	DWR 1940 <i>Beauveria bassiana</i> 11877	DWR 2005 <i>Metarhizium</i> sp. 10339
DWR 1875 <i>Beauveria bassiana</i> 11500	DWR 1941 <i>Beauveria bassiana</i> 11878	DWR 2006 <i>Metarhizium</i> sp. 10340
DWR 1876 <i>Beauveria bassiana</i> 11501	DWR 1942 <i>Metarhizium</i> sp. 10324	DWR 2007 <i>Metarhizium</i> sp. 10341
DWR 1877 <i>Beauveria bassiana</i> 11502	DWR 1943 <i>Beauveria bassiana</i> 11560	DWR 2008 <i>Metarhizium</i> sp. 10342
DWR 1878 <i>Beauveria bassiana</i> 11503	DWR 1944 <i>Beauveria bassiana</i> 11561	DWR 2009 <i>Metarhizium</i> sp. 10343
DWR 1879 <i>Beauveria bassiana</i> 11504	DWR 1945 <i>Beauveria bassiana</i> 11562	DWR 2010 <i>Metarhizium</i> sp. 10344
DWR 1880 <i>Beauveria bassiana</i> 11505	DWR 1946 <i>Beauveria bassiana</i> 11563	DWR 2011 <i>Metarhizium</i> sp. 10345
DWR 1881 <i>Beauveria bassiana</i> 11506	DWR 1947 <i>Beauveria bassiana</i> 11564	DWR 2012 <i>Beauveria bassiana</i> 11600
DWR 1882 <i>Beauveria bassiana</i> 11507	DWR 1948 <i>Beauveria bassiana</i> 11565	DWR 2013 <i>Beauveria bassiana</i> 11601
DWR 1883 <i>Beauveria bassiana</i> 11508	DWR 1949 <i>Metarhizium</i> sp. 10325	DWR 2014 <i>Beauveria bassiana</i> 11602
DWR 1884 <i>Beauveria bassiana</i> 11509	DWR 1950 <i>Metarhizium</i> sp. 10326	DWR 2015 <i>Beauveria bassiana</i> 11603
DWR 1885 <i>Beauveria bassiana</i> 11510	DWR 1951 <i>Metarhizium</i> sp. 10327	DWR 2016 <i>Beauveria bassiana</i> 11604
DWR 1886 <i>Beauveria bassiana</i> 11511	DWR 1952 <i>Beauveria bassiana</i> 11566	DWR 2017 <i>Beauveria bassiana</i> 11605
DWR 1887 <i>Beauveria bassiana</i> 11512	DWR 1953 <i>Beauveria bassiana</i> 11567	DWR 2018 <i>Beauveria bassiana</i> 11606
DWR 1888 <i>Beauveria bassiana</i> 11513	DWR 1954 <i>Metarhizium</i> sp. 10328	DWR 2019 <i>Beauveria bassiana</i> 11607
DWR 1889 <i>Beauveria bassiana</i> 11514	DWR 1955 <i>Metarhizium</i> sp. 10329	DWR 2020 <i>Beauveria bassiana</i> 11608
DWR 1890 <i>Beauveria bassiana</i> 11515	DWR 1956 <i>Metarhizium</i> sp. 10330	DWR 2021 <i>Beauveria bassiana</i> 11609
DWR 1891 <i>Beauveria bassiana</i> 11516	DWR 1957 <i>Metarhizium</i> sp. 10331	DWR 2022 <i>Beauveria bassiana</i> 11610
DWR 1892 <i>Beauveria bassiana</i> 11517	DWR 1958 <i>Metarhizium</i> sp. 10332	DWR 2023 <i>Beauveria bassiana</i> 11611
DWR 1893 <i>Beauveria bassiana</i> 11518	DWR 1959 <i>Beauveria bassiana</i> 11568	DWR 2024 <i>Beauveria bassiana</i> 11612
DWR 1894 <i>Beauveria bassiana</i> 11519	DWR 1960 <i>Beauveria bassiana</i> 11569	DWR 2025 <i>Metarhizium</i> sp. 10346
DWR 1895 <i>Beauveria bassiana</i> 11520	DWR 1961 <i>Beauveria bassiana</i> 11570	DWR 2026 <i>Beauveria bassiana</i> 11886
DWR 1896 <i>Beauveria bassiana</i> 11521	DWR 1962 <i>Beauveria bassiana</i> 11571	DWR 2027 <i>Beauveria bassiana</i> 11887
DWR 1897 <i>Beauveria bassiana</i> 11522	DWR 1963 <i>Beauveria bassiana</i> 11572	DWR 2028 <i>Beauveria bassiana</i> 11888
DWR 1898 <i>Beauveria bassiana</i> 11523	DWR 1964 <i>Beauveria bassiana</i> 11573	
DWR 1899 <i>Beauveria bassiana</i> 11875	DWR 1965 <i>Beauveria bassiana</i> 11574	

DWR 2029 <i>Beauveria bassiana</i> 11889	DWR 2097 <i>Beauveria bassiana</i> 11937	DWR 2165 <i>Beauveria bassiana</i> 11981
DWR 203 <i>Metarhizium anisopliae</i> sensu lato 8364	DWR 2098 <i>Beauveria bassiana</i> 11938	DWR 2166 <i>Beauveria bassiana</i> 11982
DWR 2030 <i>Beauveria bassiana</i> 11890	DWR 2099 <i>Metarhizium</i> sp. 12649	DWR 2167 <i>Beauveria bassiana</i> 11983
DWR 2031 <i>Beauveria bassiana</i> 11891	DWR 2100 <i>Metarhizium</i> sp. 12650	DWR 2168 <i>Beauveria bassiana</i> 11984
DWR 2032 <i>Beauveria bassiana</i> 11892	DWR 2101 <i>Metarhizium</i> sp. 12651	DWR 2169 <i>Beauveria bassiana</i> 11985
DWR 2033 <i>Beauveria bassiana</i> 11893	DWR 2102 <i>Metarhizium</i> sp. 12652	DWR 217 <i>Metarhizium anisopliae</i> sensu lato 8362
DWR 2034 <i>Beauveria bassiana</i> 11894	DWR 2103 <i>Metarhizium</i> sp. 13031	DWR 2170 <i>Beauveria bassiana</i> 11986
DWR 2035 <i>Beauveria bassiana</i> 11895	DWR 2104 <i>Metarhizium</i> sp. 12653	DWR 2171 <i>Beauveria bassiana</i> 11987
DWR 2036 <i>Beauveria bassiana</i> 11896	DWR 2105 <i>Metarhizium</i> sp. 12654	DWR 2172 <i>Pochonia</i> sp. 12195
DWR 2037 <i>Beauveria bassiana</i> 11897	DWR 2107 <i>Metarhizium</i> sp. 12655	DWR 2173 <i>Beauveria bassiana</i> 11988
DWR 2038 <i>Beauveria bassiana</i> 11898	DWR 2108 <i>Beauveria bassiana</i> 11952	DWR 2174 <i>Beauveria bassiana</i> 11989
DWR 2040 <i>Beauveria bassiana</i> 11899	DWR 2109 <i>Beauveria bassiana</i> 11953	DWR 2175 <i>Beauveria bassiana</i> 11990
DWR 2041 <i>Beauveria bassiana</i> 11900	DWR 2110 <i>Beauveria bassiana</i> 11954	DWR 2176 <i>Beauveria bassiana</i> 11991
DWR 2043 <i>Metarhizium</i> sp. 12635	DWR 2111 <i>Beauveria bassiana</i> 11955	DWR 2177 <i>Beauveria bassiana</i> 11992
DWR 2044 <i>Beauveria bassiana</i> 11901	DWR 2112 <i>Beauveria bassiana</i> 11956	DWR 2178 <i>Beauveria bassiana</i> 11993
DWR 2045 <i>Beauveria bassiana</i> 11902	DWR 2113 <i>Beauveria bassiana</i> 11957	DWR 2179 <i>Beauveria bassiana</i> 11994
DWR 2046 <i>Beauveria bassiana</i> 11903	DWR 2114 <i>Beauveria bassiana</i> 11958	DWR 2180 <i>Beauveria bassiana</i> 11995
DWR 2047 <i>Beauveria bassiana</i> 11904	DWR 2115 <i>Beauveria bassiana</i> 11959	DWR 2181 <i>Beauveria bassiana</i> 11996
DWR 2048 <i>Beauveria bassiana</i> 11905	DWR 2116 <i>Beauveria bassiana</i> 11960	DWR 2182 <i>Beauveria bassiana</i> 11997
DWR 2049 <i>Beauveria bassiana</i> 11906	DWR 2117 <i>Beauveria bassiana</i> 11961	DWR 2183 <i>Myriodontium keratinophilum</i> 11998
DWR 2050 <i>Beauveria bassiana</i> 11907	DWR 2118 <i>Beauveria bassiana</i> 11962	DWR 2184 <i>Beauveria bassiana</i> 11999
DWR 2051 <i>Beauveria bassiana</i> 11908	DWR 2120 <i>Metarhizium</i> sp. 12656	DWR 2185 <i>Beauveria bassiana</i> 12000
DWR 2052 <i>Beauveria bassiana</i> 11909	DWR 2121 <i>Metarhizium</i> sp. 12657	DWR 2186 <i>Beauveria bassiana</i> 12001
DWR 2053 <i>Beauveria bassiana</i> 11910	DWR 2122 <i>Metarhizium</i> sp. 12658	DWR 2187 <i>Beauveria bassiana</i> 12002
DWR 2054 <i>Beauveria bassiana</i> 11911	DWR 2123 <i>Metarhizium</i> sp. 12659	DWR 2188 <i>Beauveria bassiana</i> 12003
DWR 2055 <i>Beauveria bassiana</i> 11912	DWR 2124 <i>Metarhizium</i> sp. 12660	DWR 2189 <i>Beauveria bassiana</i> 12004
DWR 2056 <i>Beauveria bassiana</i> 11913	DWR 2125 <i>Metarhizium</i> sp. 12661	DWR 2190 <i>Myriodontium keratinophilum</i> 12005
DWR 2057 <i>Beauveria bassiana</i> 11914	DWR 2126 <i>Beauveria bassiana</i> 11963	DWR 2192 <i>Metarhizium</i> sp. 12682
DWR 2058 <i>Beauveria bassiana</i> 11915	DWR 2127 <i>Beauveria bassiana</i> 11964	DWR 2193 <i>Metarhizium</i> sp. 12683
DWR 2059 <i>Beauveria bassiana</i> 11916	DWR 2128 <i>Beauveria bassiana</i> 11965	DWR 2194 <i>Metarhizium</i> sp. 12684
DWR 2060 <i>Beauveria bassiana</i> 11917	DWR 2129 <i>Beauveria bassiana</i> 11966	DWR 2195 <i>Metarhizium</i> sp. 12685
DWR 2061 <i>Beauveria bassiana</i> 11918	DWR 2130 <i>Beauveria bassiana</i> 11967	DWR 2196 <i>Beauveria bassiana</i> 12006
DWR 2062 <i>Metarhizium</i> sp. 12636	DWR 2131 <i>Beauveria bassiana</i> 11968	DWR 2197 <i>Metarhizium</i> sp. 12686
DWR 2063 <i>Metarhizium</i> sp. 12637	DWR 2132 <i>Beauveria bassiana</i> 11969	DWR 2198 <i>Metarhizium</i> sp. 12687
DWR 2064 <i>Metarhizium</i> sp. 12638	DWR 2133 <i>Beauveria bassiana</i> 11970	DWR 2199 <i>Metarhizium</i> sp. 12688
DWR 2065 <i>Metarhizium</i> sp. 12639	DWR 2134 <i>Beauveria bassiana</i> 11971	DWR 2200 <i>Metarhizium</i> sp. 12689
DWR 2066 <i>Metarhizium</i> sp. 12640	DWR 2135 <i>Lecanicillium lecanii</i> (?) 11972	DWR 2201 <i>Metarhizium</i> sp. 12690
DWR 2067 <i>Metarhizium</i> sp. 12641	DWR 2136 <i>Beauveria bassiana</i> 11973	DWR 2202 <i>Beauveria bassiana</i> 12007
DWR 2068 <i>Metarhizium</i> sp. 12642	DWR 2137 <i>Beauveria bassiana</i> 11974	DWR 2203 <i>Beauveria bassiana</i> 12008
DWR 2070 <i>Metarhizium</i> sp. 12643	DWR 2138 <i>Beauveria bassiana</i> 11975	DWR 2204 <i>Beauveria bassiana</i> 12009
DWR 2072 <i>Metarhizium</i> sp. 12644	DWR 2139 <i>Beauveria bassiana</i> 11976	DWR 2205 <i>Beauveria bassiana</i> 12010
DWR 2073 <i>Metarhizium</i> sp. 12645	DWR 2140 <i>Beauveria bassiana</i> 11977	DWR 2206 <i>Beauveria bassiana</i> 12011
DWR 2074 <i>Metarhizium</i> sp. 12646	DWR 2141 <i>Beauveria bassiana</i> 11978	DWR 2208 <i>Beauveria bassiana</i> 12012
DWR 2075 <i>Metarhizium</i> sp. 12647	DWR 2142 <i>Metarhizium</i> sp. 12662	DWR 2209 <i>Beauveria bassiana</i> 12013
DWR 2076 <i>Metarhizium</i> sp. 12648	DWR 2143 <i>Metarhizium</i> sp. 12663	DWR 2210 <i>Beauveria bassiana</i> 12014
DWR 2077a <i>Metarhizium</i> sp. 12698	DWR 2144 <i>Metarhizium</i> sp. 12664	DWR 2211 <i>Beauveria bassiana</i> 12015
DWR 2077b <i>Metarhizium</i> sp. 12699	DWR 2145 <i>Metarhizium</i> sp. 12665	DWR 2212 <i>Beauveria bassiana</i> 12016
DWR 2079 <i>Beauveria bassiana</i> 11919	DWR 2146 <i>Metarhizium</i> sp. 12666	DWR 2213 <i>Beauveria bassiana</i> 12017
DWR 2080 <i>Beauveria bassiana</i> 11920	DWR 2147 <i>Metarhizium</i> sp. 12667	DWR 2214 <i>Beauveria bassiana</i> 12018
DWR 2081 <i>Beauveria bassiana</i> 11921	DWR 2148 <i>Metarhizium</i> sp. 12668	DWR 2215 <i>Beauveria bassiana</i> 12019
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DWR 2084 <i>Beauveria bassiana</i> 11924	DWR 2152 <i>Metarhizium</i> sp. 12671	DWR 2218 <i>Metarhizium</i> sp. 12691
DWR 2085 <i>Beauveria bassiana</i> 11925	DWR 2153 <i>Metarhizium</i> sp. 12672	DWR 2219 <i>Beauveria bassiana</i> 12022
DWR 2086 <i>Beauveria bassiana</i> 11926	DWR 2154 <i>Metarhizium</i> sp. 12673	DWR 2220 <i>Metarhizium</i> sp. 12692
DWR 2087 <i>Beauveria bassiana</i> 11927	DWR 2155 <i>Metarhizium</i> sp. 12674	DWR 2221 <i>Metarhizium</i> sp. 12693
DWR 2088 <i>Beauveria bassiana</i> 11928	DWR 2156 <i>Metarhizium</i> sp. 12675	DWR 2222 <i>Metarhizium</i> sp. 12694
DWR 2089 <i>Beauveria bassiana</i> 11929	DWR 2157 <i>Metarhizium</i> sp. 12676	DWR 2223 <i>Metarhizium</i> sp. 12695
DWR 2090 <i>Beauveria bassiana</i> 11930	DWR 2158 <i>Metarhizium</i> sp. 12677	DWR 2224 <i>Beauveria bassiana</i> 12092
DWR 2091 <i>Beauveria bassiana</i> 11931	DWR 2159 <i>Metarhizium</i> sp. 12678	DWR 2225 <i>Beauveria bassiana</i> 12093
DWR 2092 <i>Beauveria bassiana</i> 11932	DWR 2160 <i>Metarhizium</i> sp. 12679	DWR 2226 <i>Metarhizium</i> sp. 12696
DWR 2093 <i>Beauveria bassiana</i> 11933	DWR 2161 <i>Metarhizium</i> sp. 12680	DWR 2227 <i>Metarhizium</i> sp. 12697
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DWR 2096 <i>Beauveria bassiana</i> 11936	DWR 2164 <i>Beauveria bassiana</i> 11980	

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DWR 2233 *Metarhizium* sp. 12702
DWR 2234 *Metarhizium* sp. 12703
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DWR 2240 *Metarhizium* sp. 12708
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DWR 2243 *Metarhizium* sp. 12711
DWR 2244 *Metarhizium* sp. 12712
DWR 2245 *Metarhizium* sp. 12713
DWR 2246 *Metarhizium* sp. 12714
DWR 2247 *Metarhizium* sp. 12715
DWR 2248 *Metarhizium* sp. 12716
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DWR 2250 *Metarhizium* sp. 12718
DWR 2251 *Metarhizium* sp. 12719
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DWR 2253 *Metarhizium* sp. 12721
DWR 2254 *Metarhizium* sp. 13034
DWR 2255 *Metarhizium* sp. 12722
DWR 2256 *Metarhizium* sp. 12723
DWR 2257 *Metarhizium* sp. 12724
DWR 2258 *Beauveria bassiana* 12096
DWR 2259 *Metarhizium* sp. 12725
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DWR 2261 *Metarhizium* sp. 12727
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DWR 2266 *Metarhizium* sp. 12729
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DWR 2278 *Metarhizium* sp. 12735
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DWR 2280 *Metarhizium* sp. 12737
DWR 2281 *Metarhizium* sp. 13042
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DWR 2285 *Metarhizium* sp. 13044
DWR 2286 *Metarhizium* sp. 12739
DWR 2287 *Metarhizium* sp. 13045
DWR 2289 *Metarhizium* sp. 12740
DWR 2290 *Beauveria bassiana* 12099
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DWR 2295 *Metarhizium* sp. 12743
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DWR 2299 *Metarhizium* sp. 12745
DWR 2300 *Metarhizium* sp. 12746
DWR 2301 *Metarhizium* sp. 12747
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DWR 2304 *Metarhizium* sp. 12749
DWR 2305 *Metarhizium* sp. 12750
DWR 2306 *Metarhizium* sp. 12751
DWR 2307 *Metarhizium* sp. 12752
DWR 2310 *Metarhizium* sp. 12753
DWR 2311 *Metarhizium* sp. 12754
DWR 2312 *Metarhizium* sp. 12755
DWR 2313 *Metarhizium* sp. 12756
DWR 2314 *Metarhizium* sp. 12757
DWR 2315 *Metarhizium* sp. 12758
DWR 2316 *Metarhizium* sp. 12759
DWR 2317 *Metarhizium* sp. 12760
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DWR 2364 *Metarhizium* sp. 12766
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DWR 2374 *Beauveria bassiana* 12146
DWR 2375 *Metarhizium* sp. 12770
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DWR 2387 *Metarhizium* sp. 12772
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DWR 2399 *Metarhizium* sp. 12778
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DWR 2403 *Metarhizium* sp. 12781
DWR 2404 *Beauveria bassiana* 12183
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DWR 432 *Beauveria bassiana* 10528
DWR 433 *Beauveria bassiana* 10529
DWR 434 *Beauveria bassiana* 10530
DWR 435 *Beauveria bassiana* 10531
DWR 436 *Beauveria bassiana* 10532
DWR 437 *Beauveria bassiana* 10533
DWR 438 *Beauveria bassiana* 10534
DWR 439 *Beauveria bassiana* 10535
DWR 440 *Beauveria bassiana* 10536
DWR 441 *Beauveria bassiana* 10537
DWR 442 *Beauveria bassiana* 10538
DWR 443 *Beauveria bassiana* 10539
DWR 444 *Beauveria bassiana* 10540
DWR 445 *Beauveria bassiana* 10541
DWR 45 *Metarhizium anisopliae* sensu lato 6829
DWR 456 *Metarhizium* sp. 9641
DWR 457 *Metarhizium* sp. 9642
DWR 459 *Metarhizium* sp. 9643
DWR 46 *Metarhizium anisopliae* sensu lato 6830
DWR 460 *Metarhizium* sp. 9644
DWR 461 *Metarhizium* sp. 9645
DWR 462 *Metarhizium* sp. 9646
DWR 463 *Metarhizium* sp. 9647
DWR 464 *Metarhizium* sp. 9648
DWR 465 *Metarhizium* sp. 9649
DWR 466 *Beauveria bassiana* 10542
DWR 467 *Beauveria bassiana* 10543
DWR 468 *Beauveria bassiana* 10544
DWR 469 *Beauveria bassiana* 10545
DWR 47 *Metarhizium anisopliae* sensu lato 6831
DWR 471 *Metarhizium* sp. 9650
DWR 472 *Metarhizium* sp. 9651
DWR 473 *Metarhizium* sp. 9652
DWR 474 *Beauveria bassiana* 10546
DWR 475 *Myriodontium keratinophilum* 10547
DWR 476 *Beauveria bassiana* 10548
DWR 477 *Beauveria bassiana* 10549
DWR 478 *Metarhizium* sp. 9653
DWR 479 *Metarhizium* sp. 9654
DWR 48 *Metarhizium anisopliae* sensu lato 6832
DWR 480 *Metarhizium* sp. 9655
DWR 481 *Beauveria bassiana* 10550
DWR 482 *Beauveria bassiana* 10551
DWR 483 *Beauveria bassiana* 10552
DWR 484 *Metarhizium* sp. 9656
DWR 485 *Metarhizium* sp. 9657
DWR 486 *Beauveria bassiana* 10553
DWR 487 *Beauveria bassiana* 10554
DWR 488 *Beauveria bassiana* 10555
DWR 489 *Beauveria bassiana* 10556
DWR 49 *Metarhizium anisopliae* sensu lato 6833
DWR 490 *Beauveria bassiana* 10557
DWR 491 *Beauveria bassiana* 10558
DWR 492 *Beauveria bassiana* 10559
DWR 493 *Beauveria bassiana* 10560
DWR 494 *Beauveria bassiana* 10561
DWR 495 *Beauveria bassiana* 10562
DWR 496 *Beauveria bassiana* 10563
DWR 497 *Metarhizium* sp. 9658
DWR 498 *Metarhizium* sp. 9659
DWR 499 *Metarhizium* sp. 9660
DWR 50 *Metarhizium anisopliae* sensu lato 6834
DWR 500 *Metarhizium* sp. 9661
DWR 501 *Metarhizium* sp. 9662
DWR 502 *Metarhizium* sp. 9663
DWR 503 *Metarhizium* sp. 9664
DWR 504 *Metarhizium* sp. 9665
DWR 505 *Metarhizium* sp. 9666
DWR 506 *Beauveria bassiana* 10564
DWR 507 *Metarhizium* sp. 9667
DWR 508 *Metarhizium* sp. 9668
DWR 509 *Metarhizium* sp. 9669
DWR 51 *Metarhizium anisopliae* sensu lato 6835
DWR 510 *Metarhizium* sp. 9670
DWR 511 *Beauveria bassiana* 10565
DWR 512 *Metarhizium* sp. 9671
DWR 513 *Metarhizium* sp. 9672
DWR 514 *Metarhizium* sp. 9673
DWR 515 *Metarhizium* sp. 9674
DWR 516 *Metarhizium* sp. 9675
DWR 517 *Metarhizium* sp. 9676
DWR 518 *Metarhizium* sp. 9677
DWR 519 *Metarhizium* sp. 9678
DWR 52 *Metarhizium anisopliae* sensu lato 6836
DWR 520 *Metarhizium* sp. 9679
DWR 521 *Metarhizium* sp. 9680
DWR 522 *Metarhizium* sp. 9681
DWR 523 *Metarhizium* sp. 9682
DWR 524 *Metarhizium* sp. 9683
DWR 525 *Metarhizium* sp. 9684
DWR 526 *Metarhizium* sp. 9685
DWR 527 *Beauveria bassiana* 10566
DWR 528 *Beauveria bassiana* 10567
DWR 529 *Metarhizium* sp. 9686
DWR 53 *Metarhizium anisopliae* sensu lato 6837
DWR 530 *Beauveria bassiana* 10568
DWR 531 *Beauveria bassiana* 10569
DWR 532 *Beauveria bassiana* 10570
DWR 533 *Beauveria bassiana* 10571
DWR 534 *Metarhizium* sp. 9687
DWR 535 *Metarhizium* sp. 9688
DWR 536 *Beauveria bassiana* 10572
DWR 537 *Beauveria bassiana* 10573
DWR 538 *Beauveria bassiana* 10574
DWR 539 *Beauveria pseudobassiana* 10575
DWR 54 *Metarhizium anisopliae* sensu lato 6838
DWR 540 *Beauveria bassiana* 10576
DWR 541 *Metarhizium* sp. 9689

- DWR 542 *Metarhizium* sp. 9690
 DWR 543 *Metarhizium* sp. 9691
 DWR 544 *Metarhizium* sp. 9692
 DWR 545 *Metarhizium* sp. 9693
 DWR 546 *Metarhizium* sp. 9694
 DWR 547 *Metarhizium* sp. 9695
 DWR 548 *Beauveria bassiana* 10577
 DWR 549 *Beauveria bassiana* 10578
 DWR 55 *Metarhizium anisopliae* sensu lato 6839
 DWR 550 *Metarhizium* sp. 9696
 DWR 551 *Beauveria bassiana* 10579
 DWR 552 *Beauveria bassiana* 10580
 DWR 553 *Beauveria bassiana* 10581
 DWR 554 *Beauveria bassiana* 10582
 DWR 555 *Beauveria bassiana* 10583
 DWR 556 *Beauveria bassiana* 10584
 DWR 557 *Beauveria bassiana* 10585
 DWR 558 *Beauveria bassiana* 10586
 DWR 559 *Beauveria bassiana* 10587
 DWR 560 *Beauveria bassiana* 10588
 DWR 561 *Beauveria bassiana* 10589
 DWR 562 *Beauveria bassiana* 10590
 DWR 563 *Beauveria bassiana* 10591
 DWR 564 *Beauveria bassiana* 10592
 DWR 565 *Beauveria bassiana* 10593
 DWR 566 *Beauveria pseudobassiana* 10594
 DWR 567 *Beauveria bassiana* 10595
 DWR 568 *Beauveria bassiana* 10596
 DWR 569 *Beauveria bassiana* 10597
 DWR 570 *Beauveria pseudobassiana* 10598
 DWR 571 *Beauveria bassiana* 10599
 DWR 572 *Metarhizium* sp. 9697
 DWR 573 *Metarhizium* sp. 9698
 DWR 574 *Metarhizium* sp. 9699
 DWR 575 *Metarhizium* sp. 9700
 DWR 576 *Metarhizium* sp. 9701
 DWR 577 *Metarhizium* sp. 9702
 DWR 578 *Metarhizium* sp. 9703
 DWR 579 *Metarhizium* sp. 9704
 DWR 58 *Metarhizium anisopliae* sensu lato 6840
 DWR 580 *Metarhizium* sp. 9705
 DWR 581 *Metarhizium* sp. 9706
 DWR 582 *Metarhizium* sp. 9707
 DWR 583 *Beauveria bassiana* 10600
 DWR 584 *Beauveria bassiana* 10601
 DWR 585 *Beauveria bassiana* 10602
 DWR 586 *Beauveria bassiana* 10603
 DWR 587 *Metarhizium* sp. 9708
 DWR 588 *Metarhizium* sp. 9709
 DWR 589 *Metarhizium* sp. 9710
 DWR 59 *Metarhizium robertsii* 6841
 DWR 590 *Metarhizium* sp. 9711
 DWR 591 *Metarhizium* sp. 9712
 DWR 592 *Metarhizium* sp. 9713
 DWR 593 *Metarhizium* sp. 9714
 DWR 594 *Metarhizium* sp. 9715
 DWR 595 *Metarhizium* sp. 9716
 DWR 596 *Metarhizium* sp. 9717
 DWR 597 *Metarhizium* sp. 9718
 DWR 598 *Metarhizium* sp. 9719
 DWR 599A *Metarhizium* sp. 9720
 DWR 599B *Metarhizium* sp. 9721
 DWR 60 *Metarhizium robertsii* 6842
 DWR 600A *Metarhizium* sp. 9722
 DWR 600B *Metarhizium* sp. 9723
 DWR 601 *Metarhizium* sp. 9724
 DWR 602 *Metarhizium* sp. 9725
 DWR 603 *Metarhizium* sp. 9726
 DWR 604 *Metarhizium* sp. 9727
 DWR 605 *Metarhizium* sp. 9728
 DWR 606 *Beauveria bassiana* 10604
 DWR 607 *Beauveria bassiana* 10605
 DWR 608 *Beauveria bassiana* 10606
 DWR 609 *Beauveria bassiana* 10607
 DWR 61 *Metarhizium robertsii* 6843
 DWR 610 *Beauveria pseudobassiana* 10608
 DWR 611 *Beauveria bassiana* 10609
 DWR 612 *Beauveria bassiana* 10610
 DWR 613 *Beauveria bassiana* 10611
 DWR 614 *Beauveria bassiana* 10612
 DWR 615 *Beauveria bassiana* 10613
 DWR 616 *Beauveria bassiana* 10614
 DWR 617 *Beauveria bassiana* 10615
 DWR 618 *Beauveria pseudobassiana* 10616
 DWR 619 *Metarhizium* sp. 9729
 DWR 62 *Metarhizium robertsii* 6755
 DWR 62 *Metarhizium robertsii* 6844
 DWR 620 *Metarhizium* sp. 9730
 DWR 621 *Metarhizium* sp. 9731
 DWR 622 *Beauveria bassiana* 10617
 DWR 623 *Beauveria pseudobassiana* 10618
 DWR 624 *Beauveria bassiana* 10619
 DWR 625 *Beauveria bassiana* 10620
 DWR 626 *Beauveria bassiana* 10621
 DWR 627 *Beauveria bassiana* 10622
 DWR 628 *Beauveria pseudobassiana* 10623
 DWR 629 *Beauveria bassiana* 10624
 DWR 63 *Metarhizium robertsii* 6845
 DWR 630 *Beauveria bassiana* 10625
 DWR 631 *Beauveria bassiana* 10626
 DWR 632 *Metarhizium* sp. 9732
 DWR 633 *Metarhizium* sp. 9733
 DWR 634 *Metarhizium* sp. 9734
 DWR 635 *Metarhizium* sp. 9735
 DWR 636 *Metarhizium* sp. 9736
 DWR 637 *Metarhizium* sp. 9737
 DWR 638 *Metarhizium* sp. 9738
 DWR 639 *Metarhizium* sp. 9739
 DWR 64 *Metarhizium robertsii* 6846
 DWR 640 *Metarhizium* sp. 9740
 DWR 641 *Metarhizium* sp. 9741
 DWR 642 *Metarhizium* sp. 9742
 DWR 643 *Metarhizium* sp. 9743
 DWR 644 *Beauveria bassiana* 10627
 DWR 645 *Beauveria pseudobassiana* 10628
 DWR 646 *Beauveria bassiana* 10629
 DWR 647 *Beauveria pseudobassiana* 10630
 DWR 648 *Beauveria bassiana* 10631
 DWR 649 *Beauveria bassiana* 10632
 DWR 65 *Metarhizium robertsii* 6847
 DWR 650 *Beauveria bassiana* 10633
 DWR 651 *Beauveria pseudobassiana* 10634
 DWR 652 *Beauveria pseudobassiana* 10635
 DWR 653 *Beauveria bassiana* 10636
 DWR 654 *Beauveria bassiana* 10637
 DWR 655 *Metarhizium* sp. 9744
 DWR 656 *Metarhizium* sp. 9745
 DWR 657 *Metarhizium* sp. 9746
 DWR 658 *Metarhizium* sp. 9747
 DWR 659 *Metarhizium* sp. 9748
 DWR 66 *Metarhizium robertsii* 6848
 DWR 660 *Metarhizium* sp. 9749
 DWR 661 *Beauveria bassiana* 10638
 DWR 662 *Beauveria bassiana* 10639
 DWR 663 *Beauveria bassiana* 10640
 DWR 664 *Beauveria bassiana* 10641
 DWR 665 *Beauveria bassiana* 10642
 DWR 666 *Beauveria bassiana* 10643
 DWR 667 *Beauveria pseudobassiana* 10644
 DWR 668 *Beauveria bassiana* 10645
 DWR 669 *Metarhizium* sp. 9750
 DWR 67 *Metarhizium anisopliae* sensu lato 6849
 DWR 670 *Metarhizium* sp. 9751
 DWR 671 *Beauveria pseudobassiana* 10646
 DWR 672 *Beauveria bassiana* 10647
 DWR 673 *Beauveria pseudobassiana* 10648
 DWR 674 *Beauveria bassiana* 10649
 DWR 675 *Beauveria amorphia* 10650
 DWR 676 *Beauveria bassiana* 10651
 DWR 677 *Beauveria bassiana* 10652
 DWR 678 *Beauveria bassiana* 10653
 DWR 679 *Beauveria bassiana* 10654
 DWR 680 *Beauveria bassiana* 10655
 DWR 681 *Beauveria bassiana* 10656
 DWR 682 *Beauveria bassiana* 10657
 DWR 683 *Beauveria pseudobassiana* 10658
 DWR 684 *Beauveria bassiana* 10659
 DWR 685 *Beauveria bassiana* 10660
 DWR 686 *Beauveria bassiana* 10661
 DWR 687 *Beauveria bassiana* 10662
 DWR 688 *Beauveria bassiana* 10663
 DWR 689 *Beauveria bassiana* 10664
 DWR 690 *Beauveria bassiana* 10665
 DWR 691 *Beauveria bassiana* 10666
 DWR 692 *Metarhizium* sp. 9752
 DWR 693 *Metarhizium* sp. 9753
 DWR 694 *Metarhizium* sp. 9754
 DWR 695 *Metarhizium* sp. 9755
 DWR 696 *Metarhizium* sp. 9756
 DWR 697 *Metarhizium* sp. 9757
 DWR 698 *Beauveria pseudobassiana* 10667
 DWR 699 *Beauveria pseudobassiana* 10668
 DWR 700 *Beauveria bassiana* 10669
 DWR 701 *Beauveria pseudobassiana* 10670
 DWR 702 *Beauveria pseudobassiana* 10671

- DWR 703 *Beauveria pseudobassiana* 10672
DWR 704 *Beauveria bassiana* 10673
DWR 705 *Beauveria pseudobassiana* 10674
DWR 706 *Beauveria bassiana* 10675
DWR 707 *Beauveria pseudobassiana* 10676
DWR 708 *Beauveria pseudobassiana* 10677
DWR 709 *Beauveria bassiana* 10678
DWR 71 *Metarhizium anisopliae* sensu lato 6850
DWR 710 *Beauveria bassiana* 10679
DWR 711 *Beauveria bassiana* 10680
DWR 712 *Metarhizium* sp. 9758
DWR 713 *Metarhizium* sp. 9759
DWR 714 *Metarhizium* sp. 9760
DWR 715 *Metarhizium* sp. 9761
DWR 716 *Metarhizium* sp. 9762
DWR 717 *Beauveria bassiana* 10681
DWR 718 *Beauveria bassiana* 10682
DWR 719 *Beauveria bassiana* 10683
DWR 720 *Beauveria bassiana* 10684
DWR 721 *Beauveria bassiana* 10685
DWR 722 *Beauveria bassiana* 10686
DWR 723 *Beauveria bassiana* 10687
DWR 724 *Beauveria pseudobassiana* 10688
DWR 725 *Beauveria bassiana* 10689
DWR 726 *Beauveria pseudobassiana* 10690
DWR 727 *Beauveria bassiana* 10691
DWR 728 *Beauveria bassiana* 10692
DWR 729 *Beauveria bassiana* 10693
DWR 730 *Beauveria bassiana* 10694
DWR 731 *Beauveria bassiana* 10695
DWR 732 *Beauveria bassiana* 10696
DWR 733 *Beauveria bassiana* 10697
DWR 734 *Beauveria bassiana* 10698
DWR 735 *Beauveria bassiana* 10699
DWR 736 *Beauveria bassiana* 10700
DWR 737 *Beauveria pseudobassiana* 10701
DWR 738 *Beauveria bassiana* 10702
DWR 739 *Beauveria pseudobassiana* 10703
DWR 740 *Beauveria bassiana* 10704
DWR 741 *Metarhizium* sp. 9763
DWR 742 *Metarhizium* sp. 9764
DWR 743 *Beauveria bassiana* 10705
DWR 744 *Beauveria bassiana* 10706
DWR 745 *Beauveria pseudobassiana* 10707
DWR 746 *Beauveria bassiana* 10708
DWR 747 *Beauveria pseudobassiana* 10709
DWR 748 *Beauveria bassiana* 10710
DWR 749 *Beauveria bassiana* 10711
DWR 750 *Beauveria bassiana* 10712
DWR 751 *Beauveria bassiana* 10713
DWR 752 *Beauveria bassiana* 10714
DWR 753 *Beauveria bassiana* 10715
DWR 754 *Beauveria bassiana* 10716
DWR 755 *Beauveria bassiana* 10717
DWR 756 *Beauveria bassiana* 10718
DWR 757 *Beauveria bassiana* 10719
DWR 758 *Metarhizium* sp. 9765
DWR 759 *Metarhizium* sp. 9766
DWR 760 *Metarhizium* sp. 9767
DWR 761 *Metarhizium* sp. 9768
DWR 762 *Metarhizium* sp. 9769
DWR 763 *Metarhizium* sp. 9770
DWR 764 *Metarhizium* sp. 9771
DWR 765 *Metarhizium* sp. 9772
DWR 766 *Metarhizium* sp. 9773
DWR 767 *Metarhizium* sp. 9774
DWR 768 *Metarhizium* sp. 9775
DWR 769 *Beauveria pseudobassiana* 10720
DWR 770 *Beauveria bassiana* 10721
DWR 771 *Beauveria bassiana* 10722
DWR 772 *Beauveria bassiana* 10723
DWR 773 *Beauveria bassiana* 10724
DWR 774 *Beauveria bassiana* 10725
DWR 775 *Beauveria bassiana* 10726
DWR 776 *Beauveria bassiana* 10727
DWR 777 *Beauveria bassiana* 10728
DWR 778 *Beauveria bassiana* 10729
DWR 779 *Beauveria pseudobassiana* 10730
DWR 780 *Beauveria bassiana* 10731
DWR 781 *Beauveria pseudobassiana* 10732
DWR 782 *Beauveria bassiana* 10733
DWR 783 *Beauveria bassiana* 10734
DWR 784 *Beauveria bassiana* 10735
DWR 785 *Beauveria bassiana* 10736
DWR 786 *Beauveria bassiana* 10737
DWR 787 *Beauveria bassiana* 10738
DWR 788 *Beauveria bassiana* 10739
DWR 789 *Beauveria bassiana* 10740
DWR 790 *Beauveria bassiana* 10741
DWR 791 *Beauveria bassiana* 10742
DWR 792 *Beauveria bassiana* 10743
DWR 793 *Metarhizium* sp. 9776
DWR 794 *Metarhizium* sp. 9777
DWR 795 *Metarhizium* sp. 9778
DWR 796 *Metarhizium* sp. 9779
DWR 797 *Metarhizium* sp. 9780
DWR 798 *Metarhizium* sp. 9781
DWR 799 *Metarhizium* sp. 9782
DWR 800 *Metarhizium* sp. 9783
DWR 801 *Metarhizium* sp. 9784
DWR 802 *Metarhizium* sp. 9785
DWR 803 *Metarhizium* sp. 9786
DWR 804 *Metarhizium* sp. 9787
DWR 805 *Metarhizium* sp. 9788
DWR 806 *Metarhizium* sp. 9789
DWR 807 *Metarhizium* sp. 9790
DWR 808 *Beauveria bassiana* 10744
DWR 809 *Beauveria bassiana* 10745
DWR 810 *Beauveria bassiana* 10746
DWR 811 *Beauveria bassiana* 10747
DWR 812 *Beauveria bassiana* 10748
DWR 813 *Beauveria bassiana* 10749
DWR 814 *Beauveria bassiana* 10750
DWR 815 *Beauveria bassiana* 10751
DWR 817 *Beauveria bassiana* 10752
DWR 818 *Metarhizium* sp. 9791
DWR 819 *Metarhizium* sp. 9792
DWR 820 *Metarhizium* sp. 9793
DWR 821 *Metarhizium* sp. 9794
DWR 822 *Metarhizium* sp. 9795
DWR 823 *Metarhizium* sp. 9796
DWR 824 *Metarhizium* sp. 9797
DWR 825 *Metarhizium* sp. 9798
DWR 826 *Metarhizium* sp. 9799
DWR 827 *Metarhizium* sp. 9800
DWR 828 *Metarhizium* sp. 9801
DWR 829 *Metarhizium* sp. 9802
DWR 830 *Metarhizium* sp. 9803
DWR 831 *Metarhizium* sp. 9804
DWR 832 *Metarhizium* sp. 9805
DWR 833 *Metarhizium* sp. 9806
DWR 834 *Metarhizium* sp. 9807
DWR 835 *Metarhizium* sp. 9808
DWR 836 *Metarhizium* sp. 9809
DWR 837 *Metarhizium* sp. 9810
DWR 838 *Metarhizium* sp. 9811
DWR 839 *Metarhizium* sp. 9812
DWR 840 *Metarhizium* sp. 9813
DWR 841 *Metarhizium* sp. 9814
DWR 842 *Metarhizium* sp. 9815
DWR 843 *Metarhizium* sp. 9816
DWR 844 *Metarhizium* sp. 9817
DWR 845 *Metarhizium* sp. 9818
DWR 846 *Metarhizium* sp. 9819
DWR 847 *Metarhizium* sp. 9820
DWR 848 *Metarhizium* sp. 9821
DWR 849 *Metarhizium* sp. 9822
DWR 850 *Metarhizium* sp. 9823
DWR 851 *Metarhizium* sp. 9824
DWR 852 *Metarhizium* sp. 9825
DWR 853 *Metarhizium* sp. 9826
DWR 854 *Beauveria pseudobassiana* 10753
DWR 855 *Beauveria bassiana* 10754
DWR 856 *Beauveria bassiana* 10755
DWR 857 *Beauveria bassiana* 10756
DWR 858 *Beauveria bassiana* 10757
DWR 859 *Beauveria bassiana* 10758
DWR 86 *Metarhizium anisopliae* sensu lato 6756
DWR 860 *Beauveria bassiana* 10759
DWR 861 *Beauveria bassiana* 10760
DWR 862 *Beauveria bassiana* 10761
DWR 863 *Beauveria bassiana* 10762
DWR 864 *Beauveria bassiana* 10763
DWR 865 *Beauveria bassiana* 10764
DWR 866 *Metarhizium* sp. 9827
DWR 867 *Metarhizium* sp. 9828
DWR 868 *Metarhizium* sp. 9829
DWR 869 *Metarhizium* sp. 9830
DWR 870 *Metarhizium* sp. 9831
DWR 871 *Metarhizium* sp. 9832
DWR 872 *Metarhizium* sp. 9833
DWR 873 *Metarhizium* sp. 9834
DWR 874 *Beauveria bassiana* 10765
DWR 875 *Beauveria bassiana* 10766
DWR 876 *Beauveria bassiana* 10767
DWR 877 *Beauveria bassiana* 10768
DWR 878 *Beauveria bassiana* 10769
DWR 879 *Beauveria bassiana* 10770
DWR 88 *Metarhizium anisopliae* sensu lato 6757
DWR 880 *Metarhizium* sp. 9835
DWR 881 *Metarhizium* sp. 9836

- DWR 882 *Metarhizium* sp. 9837
DWR 883 *Beauveria bassiana* 11874
DWR 884 *Beauveria bassiana* 10771
DWR 885 *Beauveria pseudobassiana* 10772
DWR 886 *Beauveria bassiana* 10773
DWR 887 *Beauveria bassiana* 10774
DWR 888 *Beauveria bassiana* 10775
DWR 889 *Beauveria bassiana* 10776
DWR 890 *Beauveria bassiana* 10777
DWR 891 *Beauveria bassiana* 10778
DWR 892 *Beauveria bassiana* 10779
DWR 893 *Beauveria bassiana* 10780
DWR 894 *Beauveria bassiana* 10781
DWR 895 *Beauveria bassiana* 10782
DWR 896 *Beauveria bassiana* 10783
DWR 897 *Beauveria bassiana* 10784
DWR 898 *Beauveria bassiana* 10785
DWR 899 *Beauveria bassiana* 10786
DWR 90 *Metarhizium anisopliae* sensu lato 6758
DWR 900 *Metarhizium* sp. 9838
DWR 901 *Beauveria bassiana* 10787
DWR 902 *Beauveria bassiana* 10788
DWR 903 *Beauveria bassiana* 10789
DWR 904 *Beauveria bassiana* 10790
DWR 905 *Beauveria bassiana* 10791
DWR 906 *Beauveria bassiana* 10792
DWR 907 *Beauveria bassiana* 10793
DWR 908 *Beauveria bassiana* 10794
DWR 909 *Beauveria bassiana* 10795
DWR 91 *Metarhizium anisopliae* sensu lato 6759
DWR 910 *Beauveria bassiana* 10796
DWR 911 *Metarhizium* sp. 9839
DWR 912 *Metarhizium* sp. 9840
DWR 913 *Metarhizium* sp. 9841
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3 *Metarhizium rileyi* 1893
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5 *Sporothrix* sp. 1908
7 *Nomuraea atypicola* 1904
9(ext.myc.) *Torrubiella ratticaudata* 1916
9(int.myc.) *Gibellula clavulifera* var. *alba* 1909
A *Beauveria brongniartii* 1431
A *Zoophthora radicans* 1699
B *Metarhizium anisopliae* sensu lato 1432
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- MMQ *Metarhizium majus* 1946
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Searle, Tanya

- CW1 *Beauveria bassiana* 2983
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- 1 *Gliocladium*(?) sp. 6579
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- NrMin-1 *Metarhizium rileyi* 1758
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NrMin-19 *Metarhizium rileyi* 1757
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FE2 Unidentified sp. 1922
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- 1380 *Fusarium* sp. 12461

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 VL-405 *Isaria farinosa* 7724
 VL-406 *Lecanicillium* sp. 7625
 VL-408 *Lecanicillium* sp. 7624
 VL-43 *Lecanicillium muscarium* 7633
 VL-449 *Isaria farinosa* 7729

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 VL-478 *Paecilomyces* sp. 7747
 VL-488 *Paecilomyces* sp. 7746
 VL-497 *Isaria farinosa* 7726
 VL-51 *Isaria farinosa* 7733
 VL-576 *Isaria farinosa* 7731
 VL-576/1 *Isaria farinosa* 7720
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 VL-61 *Paecilomyces* sp. 7756
 VL-63 *Isaria tenuipes* 7790
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 VL-70/2S *Engyodontium*(?) sp. 9475
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 VL-760 *Beauveria bassiana* 7596
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 VL-911 *Beauveria* sp. 7597
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 VL-925 *Lecanicillium* sp. 7622
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- Steenberg, Tove**
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 137 *Isaria farinosa* 4010
 186 *Tolyposcladium cylindrosporium* 2777
 187 *Tolyposcladium cylindrosporium* 2778
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 195 *Beauveria bassiana* 4013
 195-S *Beauveria bassiana* 4014
 196 *Beauveria bassiana* 4015
 201 *Beauveria bassiana* 4016
 201-S *Beauveria bassiana* 4017
 202 *Beauveria bassiana* 4018
 205 *Beauveria bassiana* 4019
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 212 *Beauveria bassiana* 4021
 216 *Verticillium lecanii* 4022
 217 *Beauveria bassiana* 4023
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 227 *Verticillium lecanii* 4025
 228 *Beauveria bassiana* 4026
 231 *Beauveria* sp. 4027
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 238 *Beauveria bassiana* 4032
 239 *Lecanicillium muscarium* 4033
 240 *Beauveria bassiana* 4034
 244 *Beauveria bassiana* 4035
 244 *Lecanicillium muscarium* 4036
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 253 *Beauveria bassiana* 4038
- 259 *Isaria farinosa* 4039
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 319 *Isaria fumosorosea* 7069
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 BT11 *Verticillium lecanii* 4069
 BT12 *Verticillium lecanii* 4070
 BT13 *Verticillium lecanii* 4071
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 SSL 448 *Beauveria bassiana* 5853
 SSL 449 *Verticillium lecanii* 5854
 SSL 50 *Metarhizium anisopliae* sensu lato 5842
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 TT5 *Acremonium* sp. 4063
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 2 *Pandora neoaphidis* 3249
 5 *Pandora neoaphidis* 3250
 6 *Pandora neoaphidis* 3251
- Stimac, Jerry L.**
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 UF 19A4 *Beauveria bassiana* 5971
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 UF 542 *Beauveria bassiana*(?) 5959
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- Strongman, Doug Dr.**
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Su, Xiaoqing

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Sung, Jae-Mo

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C-171 *Cordyceps militaris* 4845
C-208 *Cordyceps* sp. 4846
C-225-1 *Cordyceps militaris* 4869
C-228 *Cordyceps roseostromata* 4870
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C-317 *Cordyceps* sp. 4848
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C-331 *Cordyceps* sp. 4852
C-332 *Beauveria* sp. 4853
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C-402 *Cordyceps* sp. 4855
C-414 *Cordyceps* sp. 4856
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EFCC 2010 *Beauveria bassiana* 7247
EFCC 2011 *Lecanicillium muscarium*
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EFCC 2535 *Cordyceps scarabaeicola*
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EFCC 2682 *Beauveria bassiana* 7260
EFCC 2941 *Beauveria bassiana* 7261
EFCC 2942 *Isaria farinosa* 7262
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KEFC-1105 *Beauveria* sp. 5697
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KEFC-1190 *Metarhizium yongmunense*
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KEFC-1662 *Isaria tenuipes* 5700
KEFC-199 *Cordyceps isarioides* 5688
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KEFC-356 *Metarhizium anisopliae* sensu
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KEFC-402 *Cordyceps bifusispora* 5690
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KEFC-642 *Metarhizium anisopliae* sensu
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KEFC-783 *Cordyceps staphylinidaecola*
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KEFC-783 *Cordyceps staphylinidaecola*
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KEFC-835 *Metarhizium anisopliae* sensu
lato 5717
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Sutton, Deanna A.

06-270 *Beauveria bassiana* 8601
07-345 *Beauveria bassiana* 8602

Sweeney, Anthony W.

298A *Culicinomyces clavisporus* 644
298B *Culicinomyces clavisporus* 645

Tanyeli, Elif

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Dm-10 *Isaria farinosa* 9276
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Dm-12 *Isaria farinosa* 9278
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Tate and Lyle Ltd

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Batch No. B1830 *Metarhizium robertsii*
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Tatman, Kathy

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MD110#28 *Penicillium* sp. 2836
MD19#14 *Aspergillus ochraceus* 2833
MD97#18 *Penicillium* sp. 2834
MD99#6 *Beauveria bassiana* 2831

Tavares, Joao B.

BRA-000027 *Beauveria* sp. 3859
BRA-000027 Unidentified sp. 3860
BRA-000035 *Beauveria bassiana* 3858
BRA-000132 Unidentified sp. 3856
BRA-000141 *Isaria fumosorosea* 3852
BRA-000159 *Isaria fumosorosea* 3857
BRA-000167 *Purpureocillium lilacinum*
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BRA-000167 *Metarhizium marquandii*
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Teakle, Robert

M-100 *Metarhizium acridum* 324
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Tedford, E.

Hr 53 *Hirsutella rhossiliensis* 3747
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Teetor-Barsch, Gertrude

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lato 909
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F84-1-1 *Metarhizium anisopliae* sensu
lato 911
F84-1-1 *Metarhizium anisopliae* sensu
lato 912
F84-1-1 *Metarhizium anisopliae* sensu
lato 913
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F84-1-1 *Metarhizium anisopliae* sensu lato 965
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 F84-1-1 *Metarhizium anisopliae* sensu lato 1022
 F84-1-1 *Metarhizium anisopliae* sensu lato 1023
 F84-1-1 *Metarhizium anisopliae* sensu lato 1024
 F84-1-1 *Metarhizium anisopliae* sensu lato 1025
 F84-1-1 *Metarhizium anisopliae* sensu lato 1083
 F84-1-1 *Metarhizium anisopliae* sensu lato 1084
 F84-1-1 *Metarhizium anisopliae* sensu lato 1085
 F84-1-1 *Metarhizium anisopliae* sensu lato 1086
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 F84-1-1 *Metarhizium anisopliae* sensu lato 1094
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TeStrake, Diane

TL-10 *Basidiobolus* sp. 2048
 TL-12 *Basidiobolus* sp. 2049
 TL-13 *Basidiobolus* sp. 2050
 TT-5 *Basidiobolus* sp. 2051
 TT-9 *Basidiobolus* sp. 2052

Thamarai Chelvi, C.

1 *Metarhizium anisopliae* sensu stricto 10472
 2 *Metarhizium anisopliae* sensu stricto 10473
 3 *Metarhizium anisopliae* sensu stricto 10474
 4 *Metarhizium anisopliae* sensu stricto 10475
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Theunis, W.

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Tigano-Milani, Myrian Silvana

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 CG-334 Unidentified sp. 3856
 CG-335 *Isaria fumosorosea* 3852
 CG-338 *Isaria fumosorosea* 3857
 CG-371 *Purpureocillium lilacinum* 3854
 CG-371 *Metarhizium marquandii* 3855
 CG-76#1 *Beauveria* sp. 3859
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Timper, Patricia

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 903b Unidentified / Hyphomycetes 5238
 907 Unidentified / Hyphomycetes 5240
 908 Unidentified / Hyphomycetes 5241
 BG2 Unidentified / Hyphomycetes 5239
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 C11 Sterile mycelium 3735
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 MS-5 Unidentified / Hyphomycetes 5247
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Tiway, B. N.

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 IF-10 *Fusarium commune* 8281
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 IF-12 *Fusarium sacchari* 8283
 IF-13 *Aspergillus* sp. 8284
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 IF-5 *Fusarium* sp. 8279
 IF-7 *Aspergillus* sp. 8280
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 SCF-4 *Aspergillus flavus* 8289
 SCF-7 *Fusarium* sp. 8290
 SCF-8 *Fusarium lateritium* 8291
 SCF-9 *Aspergillus* sp. 8292
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Toledo, Andrea V.

HC063 *Hirsutella citriformis* 8677
 HC064 *Hirsutella citriformis* 8678
 HC065 *Hirsutella citriformis* 8679
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Torres Barragan, Andrea

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 Ral 6 *Isaria farinosa* 8770
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Tucker, Bruce E.

171 *Conidiobolus coronatus* 274

Tunali, Berna

11 *Fusarium* sp. 6394
 12 *Fusarium* sp. 6395
 16 *Fusarium* sp. 6396
 17 *Fusarium proliferatum* 6425
 18 *Fusarium* sp. 6397
 19 *Fusarium* sp. 6398
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 21 *Fusarium* sp. 6428
 22 *Fusarium culmorum* 6400
 23 *Fusarium* sp. 6401
 24 *Fusarium* sp. 6402
 25 *Fusarium* sp. 6403
 27 *Beauveria bassiana* 6404
 28 *Beauveria bassiana* 6426
 29 *Aspergillus* sp. 6405
 31 *Aspergillus* sp. 6406
 32 *Aspergillus niger* 6407
 33 *Aspergillus* sp. 6408
 34 *Fusarium proliferatum* 6411
 36 *Fusarium proliferatum* 6409
 38 *Fusarium* sp. 6410
 39 *Fusarium* sp. 6429

Turlington, Lewis

West Borax 1, colony B *Isaria farinosa* 1939

Tzean, S. S.

PPH 13E *Metarhizium cylindrosporium* 6926
 PPH 14E *Metarhizium viridulum* 6927

UAF

189 *Beauveria bassiana* 2953

UAMH

?4995 *Tolypocladium cylindrosporum* 961
1514 *Beauveria bassiana* 2454
2994 *Metarhizium viride* 2456
4132 *Beauveria pseudobassiana* 2455
4563 *Tolypocladium cylindrosporum* 961
4592 *Tolypocladium cylindrosporum* 962
4593 *Tolypocladium cylindrosporum* 963
4618 *Culicinomyces clavisporus* 964
4848 *Culicinomyces clavisporus* 372
4849 *Culicinomyces clavisporus* 582
4850 *Culicinomyces clavisporus* 584
4851 *Culicinomyces clavisporus* 706
4854 *Culicinomyces clavisporus* 1260
4854 *Culicinomyces clavisporus* 2482
4869 *Culicinomyces clavisporus* 583
5174 *Culicinomyces bisporalis* 1948
5175 *Culicinomyces bisporalis* 1949
5256 *Haptocillium balanoides* 2483
5301 *Nomuraea anemonoides* 2467
5977 *Hirsutella rhossiliensis* 2006
5978 *Hirsutella strigosa* 2044
6730 *Fusarium acuminatum* 3218
8723 *Tolypocladium inflatum* 4884

Ugine, Todd A.

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 HI-851 *Beauveria bassiana* sensu lato 13047
 HI-852 *Beauveria bassiana* sensu lato 13048
 HI-853 *Beauveria bassiana* sensu lato 13049
 HI-855 *Beauveria bassiana* sensu lato 13050
 HI-856 *Beauveria bassiana* sensu lato 13051
 HI-859 *Beauveria bassiana* sensu lato 13052
 HI-860 *Beauveria bassiana* sensu lato 13053
 HI-861 *Beauveria bassiana* sensu lato 13054
 HI-862 *Beauveria bassiana* sensu lato 13055
 HI-90 *Beauveria bassiana* 12610
 HI-99 *Beauveria bassiana* 12611
 J1 *Zoophthora radicans* 1935
 K2 *Zoophthora radicans* 1932
 L2 *Zoophthora radicans* 1930
 LACEY 921155-BT1 *Isaria fumosorosea* 5299

Lacey 92118-Bt1 *Isaria fumosorosea* 5305
 Lacey 92133-Bt1 *Isaria fumosorosea* 5300
 Lacey 92135-Bt1 *Isaria fumosorosea* 5304
 Lacey 92221-Bt1 *Beauveria bassiana* 5274
 Lacey Ma21-Bt1 *Isaria fumosorosea* 5303
 LEP-1 *Isaria fumosorosea* 5251
 LEP-2 *Isaria fumosorosea* 5252
 M2 *Zoophthora radicans* 1931
 N1 *Zoophthora radicans* 1933
 Q1 *Pandora delphacis* 1936
 SARL 33 *Beauveria bassiana* 5273
 SPW-1 *Paecilomyces* sp. 3784
 SPW-10 *Paecilomyces* sp. 3786
 SPW-11 *Isaria javanica* 3776
 SPW-12 *Paecilomyces* sp. 3777
 SPW-13 Unidentified sp. 3773
 SPW-14 Unidentified sp. 3779
 SPW-15 *Isaria javanica* 5259
 SPW-16 *Isaria fumosorosea* 5260
 SPW-17 *Isaria fumosorosea* 5261
 SPW-18 *Isaria fumosorosea* 5262
 SPW-19 *Isaria fumosorosea* 5263
 SPW-20 *Isaria fumosorosea* 5264
 SPW-21 *Isaria fumosorosea* 5265
 SPW-22 *Isaria fumosorosea* 5266
 SPW-23 *Isaria fumosorosea* 5267
 SPW-24 *Isaria fumosorosea* 5268
 SPW-29 *Isaria fumosorosea* 5269
 SPW-30 *Isaria fumosorosea* 5270
 SPW-31 *Isaria fumosorosea* 5271
 SPW-32 *Isaria farinosa* 5306
 SPW-34 *Isaria fumosorosea* 5308
 SPW-35 *Isaria fumosorosea* 5309
 SPW-36 *Isaria fumosorosea* 5310
 SPW-37 *Isaria fumosorosea* 5311
 SPW-38 *Isaria fumosorosea* 5312
 SPW-39 *Isaria fumosorosea* 5313
 SPW-40 *Isaria fumosorosea* 5314
 SPW-41 *Isaria fumosorosea* 5315
 SPW-5 *Paecilomyces* sp. 3774
 SPW-5 *Paecilomyces* sp. 3785
 SPW-50 *Isaria fumosorosea* 5320
 SPW-51 *Isaria javanica* 5321
 SPW-52 *Isaria fumosorosea* 5322
 SPW-53 *Isaria fumosorosea* 5323
 SPW-54 *Isaria fumosorosea* 5324
 SPW-55 *Isaria fumosorosea* 5325
 SPW-56 *Isaria fumosorosea* 5326
 SPW-6 *Paecilomyces* sp. 3775
 SPW-7 *Paecilomyces* sp. 3780
 SPW-8 *Paecilomyces* sp. 3781
 SPW-9 *Paecilomyces* sp. 3782
 SPW-9 *Paecilomyces* sp. 3783
 T-7 *Zoophthora radicans* 2600
 T-8 *Zoophthora radicans* 2601
 W3 *Zoophthora radicans* 1937

Wraight, Steve

Lacey 92119-Bt1 *Isaria fumosorosea* 5301
 Lacey Ma19-Bt1 *Isaria fumosorosea* 5302

Wright, Maureen S.

C 4B *Metarhizium anisopliae* sensu lato 8015

Yip, H.

HT109 *Beauveria pseudobassiana* 4261
 HY027 *Metarhizium anisopliae* sensu lato 4192
 HY10 *Penicillium* sp. 4666
 HY100 *Metarhizium anisopliae* sensu lato 4624
 HY102 *Metarhizium anisopliae* sensu lato 4684
 HY103 *Metarhizium anisopliae* sensu lato 4731
 HY104 *Metarhizium flavoviride* 4730
 HY105 *Metarhizium anisopliae* sensu lato 4619
 HY106 *Metarhizium anisopliae* sensu lato 4191
 HY108 *Metarhizium anisopliae* sensu lato 4189
 HY11 *Beauveria pseudobassiana* 4745
 HY111 *Mixed Culture* sp. 4260
 HY112 *Metarhizium anisopliae* sensu lato 4188
 HY113 *Metarhizium anisopliae* sensu lato 4187
 HY114 *Metarhizium flavoviride* 4221
 HY115 *Metarhizium anisopliae* sensu lato 4186
 HY116 *Metarhizium anisopliae* sensu lato 4185
 HY117 *Metarhizium anisopliae* sensu lato 4267
 HY118 *Beauveria pseudobassiana* 4356
 HY119 *Metarhizium anisopliae* sensu lato 4665
 HY121 *Metarhizium anisopliae* sensu lato 4651
 HY122 *Metarhizium anisopliae* sensu lato 4602
 HY123 *Metarhizium flavoviride* 4729
 HY124 *Metarhizium anisopliae* sensu lato 4683
 HY125 *Metarhizium anisopliae* sensu lato 4262
 HY126 *Metarhizium anisopliae* sensu lato 4581
 HY127 *Metarhizium frigidum* 4277
 HY128 *Metarhizium anisopliae* sensu lato 4635
 HY129 *Beauveria pseudobassiana* 4271
 HY13 *Beauveria bassiana* 4744
 HY130 *Metarhizium anisopliae* sensu lato 4599
 HY131 *Metarhizium anisopliae* sensu lato 4275
 HY132 *Metarhizium anisopliae* sensu lato 4282

- HY133 *Metarhizium anisopliae* sensu lato 4184
 HY134 *Metarhizium anisopliae* sensu lato 4183
 HY136 *Penicillium* sp. 4182
 HY137 *Beauveria pseudobassiana* 4222
 HY139 *Metarhizium anisopliae* sensu lato 4643
 HY140 *Metarhizium anisopliae* sensu lato 4226
 HY141 *Metarhizium novozealandicum* 4661
 HY142 *Beauveria pseudobassiana* 4670
 HY143 *Metarhizium anisopliae* sensu lato 4279
 HY144 *Metarhizium anisopliae* sensu lato 4250
 HY145 *Metarhizium anisopliae* sensu lato 4265
 HY146 *Metarhizium anisopliae* sensu lato 4181
 HY147 *Metarhizium anisopliae* sensu lato 4235
 HY148 *Metarhizium brunneum* 4251
 HY149 *Metarhizium anisopliae* sensu lato 4230
 HY15 *Metarhizium anisopliae* sensu lato 4743
 HY150 Sterile mycelium 4237
 HY151 *Metarhizium flavoviride* 4272
 HY152 *Metarhizium anisopliae* sensu lato 4180
 HY153 *Metarhizium brunneum* 4179
 HY154 *Metarhizium anisopliae* sensu lato 4178
 HY155 *Metarhizium anisopliae* sensu lato 4177
 HY156 *Metarhizium anisopliae* sensu lato 4175
 HY157 *Metarhizium brunneum* 4176
 HY158 *Metarhizium anisopliae* sensu lato 4174
 HY159 *Metarhizium anisopliae* sensu lato 4173
 HY160 *Metarhizium anisopliae* sensu lato 4172
 HY161 *Metarhizium anisopliae* sensu lato 4171
 HY162 *Beauveria pseudobassiana* 4285
 HY162 *Metarhizium anisopliae* sensu lato 4725
 HY163 *Metarhizium anisopliae* sensu lato 4170
 HY164 *Metarhizium anisopliae* sensu lato 4169
 HY165 *Metarhizium brunneum* 4168
 HY166 *Metarhizium anisopliae* sensu lato 4167
 HY167 *Metarhizium anisopliae* sensu lato 4166
 HY168 *Metarhizium* sp. 4165
 HY168 *Metarhizium flavoviride* 4727
 HY169 *Metarhizium brunneum* 4164
 HY171 *Metarhizium anisopliae* sensu lato 4163
 HY173 *Metarhizium anisopliae* sensu lato 4162
 HY174 *Metarhizium anisopliae* sensu lato 4244
 HY175 *Metarhizium anisopliae* sensu lato 4287
 HY176 *Metarhizium anisopliae* sensu lato 4225
 HY177 *Mixed Culture* sp. 4245
 HY178 *Metarhizium anisopliae* sensu lato 4248
 HY179 *Metarhizium anisopliae* sensu lato 4247
 HY18 *Metarhizium anisopliae* sensu lato 4645
 HY180 *Metarhizium anisopliae* sensu lato 4726
 HY181 *Metarhizium anisopliae* sensu lato 4224
 HY182 *Metarhizium anisopliae* sensu lato 4229
 HY183 *Metarhizium anisopliae* sensu lato 4259
 HY184 *Metarhizium anisopliae* sensu lato 4220
 HY185 *Metarhizium frigidum* 4680
 HY186 *Metarhizium frigidum* 4219
 HY187 *Metarhizium anisopliae* sensu lato 4269
 HY189 *Metarhizium anisopliae* sensu lato 4270
 HY19 *Metarhizium anisopliae* sensu lato 4634
 HY190 *Metarhizium anisopliae* sensu lato 4161
 HY191 *Metarhizium anisopliae* sensu lato 4160
 HY192 *Metarhizium anisopliae* sensu lato 4159
 HY194 *Metarhizium anisopliae* sensu lato 4286
 HY195 *Metarhizium brunneum* 4158
 HY196 *Metarhizium anisopliae* sensu lato 4296
 HY197 *Metarhizium anisopliae* sensu lato 4629
 HY198 *Metarhizium anisopliae* sensu lato 4157
 HY20 *Metarhizium anisopliae* sensu lato 4606
 HY200 *Metarhizium anisopliae* sensu lato 4724
 HY201 *Metarhizium anisopliae* sensu lato 4298
 HY202 *Metarhizium anisopliae* sensu lato 4723
 HY203 *Metarhizium anisopliae* sensu lato 4636
 HY204 *Metarhizium anisopliae* sensu lato 4355
 HY205 *Metarhizium anisopliae* sensu lato 4156
 HY206 *Metarhizium anisopliae* sensu lato 4281
 HY207 *Metarhizium anisopliae* sensu lato 4190
 HY207 *Metarhizium anisopliae* sensu lato 4280
 HY208 *Metarhizium anisopliae* sensu lato 4155
 HY209 *Metarhizium robertsii* 4628
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 HY210 *Metarhizium lepidotae* 4154
 HY213 *Metarhizium guizhouense* 4153
 HY214 *Metarhizium brunneum* 4152
 HY215 *Metarhizium anisopliae* sensu lato 4151
 HY216 *Metarhizium anisopliae* sensu lato 4354
 HY217 *Metarhizium anisopliae* sensu lato 4309
 HY218 *Metarhizium anisopliae* sensu lato 4754
 HY219 *Metarhizium anisopliae* sensu lato 4753
 HY22 *Metarhizium anisopliae* sensu lato 4264
 HY220 *Metarhizium anisopliae* sensu lato 4573
 HY222 *Metarhizium anisopliae* sensu lato 4603
 HY224 *Metarhizium anisopliae* sensu lato 4578
 HY225 *Metarhizium anisopliae* sensu lato 4655
 HY226 *Metarhizium anisopliae* sensu lato 4752
 HY227 *Beauveria malawiensis* 4755
 HY228 *Metarhizium novozealandicum* 4674
 HY229 *Metarhizium brunneum* 4615
 HY23 *Beauveria pseudobassiana* 4571
 HY231 *Metarhizium anisopliae* sensu lato 4613
 HY232 *Metarhizium anisopliae* sensu lato 4669
 HY233 *Metarhizium anisopliae* sensu lato 4563
 HY234 *Metarhizium anisopliae* sensu lato 4757
 HY235 *Metarhizium guizhouense* 4321
 HY237 *Metarhizium anisopliae* sensu lato 4758
 HY238 *Metarhizium anisopliae* sensu lato 4668
 HY239 *Metarhizium anisopliae* sensu lato 4292
 HY24 *Beauveria pseudobassiana* 4353
 HY240 *Metarhizium anisopliae* sensu lato 4596
 HY241 *Metarhizium anisopliae* sensu lato 4351
 HY242 *Metarhizium anisopliae* sensu lato 4350
 HY244 *Metarhizium anisopliae* sensu lato 4352
 HY245 *Metarhizium frigidum* 4561
 HY246 *Metarhizium anisopliae* sensu lato 4291
 HY248 *Metarhizium anisopliae* sensu lato 4759

HY249 <i>Metarhizium anisopliae</i> sensu lato 4664	HY34 <i>Metarhizium anisopliae</i> sensu lato 4311	HY71 <i>Metarhizium anisopliae</i> sensu lato 4332
HY25 <i>Beauveria pseudobassiana</i> 4320	HY35 <i>Metarhizium anisopliae</i> sensu lato 4314	HY72 <i>Beauveria pseudobassiana</i> 4326
HY250 <i>Metarhizium anisopliae</i> sensu lato 4676	HY36 <i>Metarhizium anisopliae</i> sensu lato 4347	HY73 <i>Metarhizium anisopliae</i> sensu lato 4329
HY251 <i>Metarhizium anisopliae</i> sensu lato 4584	HY37 <i>Metarhizium anisopliae</i> sensu lato 4312	HY74 <i>Metarhizium anisopliae</i> sensu lato 4331
HY252 <i>Metarhizium anisopliae</i> sensu lato 4640	HY38 <i>Metarhizium anisopliae</i> sensu lato 4308	HY75 <i>Metarhizium anisopliae</i> sensu lato 4323
HY253 <i>Metarhizium flavoviride</i> 4304	HY39 <i>Metarhizium anisopliae</i> sensu lato 4310	HY76 <i>Metarhizium anisopliae</i> sensu lato 4348
HY254 <i>Metarhizium anisopliae</i> sensu lato 4626	HY4 <i>Phialophora</i> sp. 4751	HY77 <i>Metarhizium anisopliae</i> sensu lato 4330
HY255 <i>Metarhizium anisopliae</i> sensu lato 4687	HY40 <i>Metarhizium anisopliae</i> sensu lato 4316	HY78 <i>Metarhizium anisopliae</i> sensu lato 4324
HY256 <i>Metarhizium anisopliae</i> sensu lato 4663	HY41 <i>Metarhizium anisopliae</i> sensu lato 4318	HY79 <i>Metarhizium frigidum</i> 4294
HY257 <i>Metarhizium anisopliae</i> sensu lato 4322	HY42 <i>Metarhizium anisopliae</i> sensu lato 4317	HY8 <i>Metarhizium anisopliae</i> sensu lato 4747
HY258 <i>Metarhizium anisopliae</i> sensu lato 4585	HY43 <i>Metarhizium anisopliae</i> sensu lato 4319	HY81 <i>Metarhizium anisopliae</i> sensu lato 4325
HY259 <i>Metarhizium anisopliae</i> sensu lato 4576	HY44 <i>Metarhizium anisopliae</i> sensu lato 4313	HY82 <i>Metarhizium guizhouense</i> 4303
HY26 <i>Beauveria caledonica</i> 4302	HY45 <i>Metarhizium anisopliae</i> sensu lato 4315	HY83 <i>Metarhizium anisopliae</i> sensu lato 4736
HY26 <i>Paecilomyces</i> sp. 4742	HY46 <i>Metarhizium anisopliae</i> sensu lato 4632	HY84 <i>Beauveria pseudobassiana</i> 4300
HY260 <i>Metarhizium anisopliae</i> sensu lato 4760	HY48 <i>Metarhizium anisopliae</i> sensu lato 4586	HY85 <i>Metarhizium anisopliae</i> sensu lato 4288
HY261 <i>Metarhizium anisopliae</i> sensu lato 4673	HY5 Sterile mycelium 4750	HY86 <i>Metarhizium anisopliae</i> sensu lato 4306
HY262 <i>Metarhizium anisopliae</i> sensu lato 4618	HY50 <i>Beauveria pseudobassiana</i> 4240	HY87 <i>Metarhizium anisopliae</i> sensu lato 4328
HY263 <i>Metarhizium anisopliae</i> sensu lato 4654	HY51 <i>Beauveria australis</i> 4598	HY88 <i>Metarhizium anisopliae</i> sensu lato 4639
HY264 <i>Metarhizium anisopliae</i> sensu lato 4761	HY52 <i>Beauveria pseudobassiana</i> 4564	HY89 <i>Metarhizium anisopliae</i> sensu lato 4609
HY265 <i>Metarhizium anisopliae</i> sensu lato 4762	HY53 <i>Metarhizium anisopliae</i> sensu lato 4284	HY9 <i>Metarhizium anisopliae</i> sensu lato 4746
HY266 <i>Metarhizium anisopliae</i> sensu lato 4763	HY54 <i>Beauveria pseudobassiana</i> 4583	HY90 <i>Metarhizium anisopliae</i> sensu lato 4647
HY268 <i>Metarhizium anisopliae</i> sensu lato 4560	HY56 <i>Metarhizium anisopliae</i> sensu lato 4641	HY91 <i>Metarhizium anisopliae</i> sensu lato 4633
HY269 <i>Metarhizium anisopliae</i> sensu lato 4764	HY57 <i>Metarhizium anisopliae</i> sensu lato 4740	HY92 <i>Metarhizium anisopliae</i> sensu lato 4735
HY271 <i>Metarhizium anisopliae</i> sensu lato 4682	HY58 <i>Metarhizium anisopliae</i> sensu lato 4631	HY93 <i>Metarhizium anisopliae</i> sensu lato 4734
HY272 <i>Metarhizium frigidum</i> 4765	HY59 <i>Metarhizium anisopliae</i> sensu lato 4591	HY94 <i>Metarhizium anisopliae</i> sensu lato 4657
HY273 <i>Metarhizium anisopliae</i> sensu lato 4766	HY6 <i>Metarhizium anisopliae</i> sensu lato 4749	HY95 <i>Metarhizium anisopliae</i> sensu lato 4593
HY274 <i>Metarhizium anisopliae</i> sensu lato 4590	HY61 <i>Metarhizium robertsii</i> 4739	HY95 <i>Metarhizium anisopliae</i> sensu lato 4637
HY275 <i>Metarhizium anisopliae</i> sensu lato 4577	HY62 <i>Metarhizium anisopliae</i> sensu lato 4738	HY96 <i>Metarhizium anisopliae</i> sensu lato 4650
HY278 <i>Metarhizium anisopliae</i> sensu lato 4357	HY63 <i>Metarhizium anisopliae</i> sensu lato 4595	HY97 <i>Metarhizium anisopliae</i> sensu lato 4565
HY279 <i>Metarhizium anisopliae</i> sensu lato 4671	HY65 <i>Metarhizium anisopliae</i> sensu lato 4638	HY97 <i>Metarhizium anisopliae</i> sensu lato 4733
HY28 <i>Beauveria pseudobassiana</i> 4741	HY66 <i>Metarhizium anisopliae</i> sensu lato 4737	HY99 <i>Metarhizium anisopliae</i> sensu lato 4732
HY280 <i>Metarhizium anisopliae</i> sensu lato 4295	HY67 <i>Metarhizium anisopliae</i> sensu lato 4307	
HY282 <i>Metarhizium anisopliae</i> sensu lato 4648	HY68 <i>Metarhizium anisopliae</i> sensu lato 4617	
HY29 <i>Beauveria pseudobassiana</i> 4644	HY69 <i>Metarhizium anisopliae</i> sensu lato 4327	
HY30 <i>Beauveria pseudobassiana</i> 4301	HY7 <i>Metarhizium anisopliae</i> sensu lato 4748	
HY31 <i>Beauveria bassiana</i> 4305	HY70 <i>Metarhizium anisopliae</i> sensu lato 4349	
HY33 <i>Metarhizium anisopliae</i> sensu lato 4293		

Yoder Bros. Inc
F2-28 *Isaria farinosa* 2954
F2-4 BR *Isaria fumosorosea* 3322

Zhioua, Elyes

1S DCE *Verticillium* sp. 5713
1S PCW *Verticillium lecanii* 5710
AB *Penicillium* sp. 5733
T73 *Beauveria bassiana*(?) 6892
T81 *Isaria fumosorosea* 6893
T82 *Beauveria bassiana* 6894
Tick #1 Unidentified sp. 6895
Tick #2 *Gliocladium*(?) sp. 6896
Tick #3 *Beauveria bassiana* 6897
Tick #4 *Aspergillus* sp. 6898
Tick #4 Unidentified sp. 6899

Zhou, Xiang

ZAFU1004 *Pandora neoaphidis* 11662

Zimmermann, Gisbert

2 *Pandora blunckii* 217
E 1622/01 *Evlachovaea* sp. 7403

Zou, Xiao

1 *Nomuraea atypicola* 9594
10 *Hirsutella liboensis* 9603
2 *Beauveria bassiana* 9595
3 *Beauveria* sp. 9596
5 *Beauveria bassiana* 9598
6 *Beauveria brongniartii* 9599
7 *Beauveria bassiana* 9600
8 *Isaria cateniannulata* 9601
9 *Isaria fumosorosea* 9602

1	<i>Beauveria bassiana</i>	122	<i>Conidiobolus obscurus</i>	214	<i>Batkoa gigantea</i>
2	<i>Conidiobolus thromboides</i>	124	<i>Conidiobolus obscurus</i>	215	<i>Batkoa gigantea</i>
3	<i>Isaria farinosa</i>	126	<i>Zoophthora radicans</i>	217	<i>Pandora blunckii</i>
5	<i>Conidiobolus thromboides</i>	128	<i>Pandora neoaphidis</i>	218	<i>Coelomycesium simulii</i>
13	<i>Zoophthora radicans</i>	129	<i>Batkoa apiculata</i>	219	<i>Erynia rhizospora</i>
15	<i>Conidiobolus thromboides</i>	131	<i>Pandora dipterigena</i>	220	<i>Beauveria bassiana</i>
20	<i>Isaria farinosa</i>	133	<i>Conidiobolus obscurus</i>	221	<i>Zoophthora radicans</i>
21	<i>Zoophthora radicans</i>	134	<i>Pandora delphacis</i>	223	<i>Zoophthora radicans</i>
22	<i>Conidiobolus thromboides</i>	135	<i>Metarhizium rileyi</i>	224	<i>Zoophthora radicans</i>
23	<i>Metarhizium robertsii</i>	137	<i>Hirsutella thompsonii</i>	225	<i>Zoophthora radicans</i>
29	<i>Conidiobolus thromboides</i>	138		226	<i>Zoophthora radicans</i>
30	<i>Hirsutella gigantea</i>	139	<i>Zoophthora radicans</i>	227	<i>Zoophthora radicans</i>
32	<i>Beauveria sp.</i>	141	<i>Zoophthora radicans</i>	228	<i>Zoophthora radicans</i>
33	<i>Beauveria bassiana</i>	142	<i>Zoophthora radicans</i>	229	<i>Zoophthora radicans</i>
38	<i>Isaria farinosa</i>	143	<i>Zoophthora radicans</i>	230	<i>Zoophthora radicans</i>
39	<i>Conidiobolus thromboides</i>	144	<i>Zoophthora radicans</i>	231	<i>Zoophthora radicans</i>
40	<i>Conidiobolus thromboides</i>	145	<i>Zoophthora radicans</i>	232	<i>Zoophthora radicans</i>
41	<i>Conidiobolus thromboides</i>	146	<i>Zoophthora radicans</i>	233	<i>Zoophthora radicans</i>
42	<i>Conidiobolus thromboides</i>	147	<i>Conidiobolus sp.</i>	234	<i>Zoophthora radicans</i>
44	<i>Zoophthora radicans</i>	148	<i>Conidiobolus sp.</i>	235	<i>Zoophthora radicans</i>
45	<i>Zoophthora radicans</i>	149	<i>Beauveria bassiana</i>	237	<i>Zoophthora radicans</i>
50	<i>Zoophthora radicans</i>	150	<i>Beauveria bassiana</i>	238	<i>Zoophthora radicans</i>
51	<i>Entomophaga aulicae</i>	151	<i>Beauveria bassiana</i>	239	<i>Zoophthora radicans</i>
52	<i>Zoophthora radicans</i>	152	<i>Beauveria pseudobassiana</i>	241	<i>Hirsutella thompsonii</i>
55	<i>Isaria sp.</i>	153	<i>Beauveria bassiana</i>	242	<i>Conidiobolus thromboides</i>
57	<i>Conidiobolus thromboides</i>	154	<i>Beauveria bassiana</i>	243	<i>Conidiobolus obscurus</i>
58	<i>Conidiobolus thromboides</i>	155	<i>Beauveria bassiana</i>	244	<i>Conidiobolus thromboides</i>
59	<i>Conidiobolus thromboides</i>	156	<i>Beauveria pseudobassiana</i>	245	<i>Conidiobolus thromboides</i>
63	<i>Conidiobolus thromboides</i>	157	<i>Beauveria pseudobassiana</i>	246	<i>Conidiobolus thromboides</i>
64	<i>Conidiobolus thromboides</i>	158	<i>Beauveria bassiana</i>	247	<i>Conidiobolus thromboides</i>
67	<i>Batkoa apiculata</i>	159	<i>Beauveria bassiana</i>	248	<i>Conidiobolus thromboides</i>
68	<i>Zoophthora radicans</i>	160	<i>Beauveria bassiana</i>	249	<i>Conidiobolus thromboides</i>
70	<i>Conidiobolus thromboides</i>	161	<i>Zoophthora radicans</i>	250	<i>Conidiobolus thromboides</i>
72	<i>Zoophthora radicans</i>	162	<i>Zoophthora radicans</i>	251	<i>Entomophaga aulicae</i>
73	<i>Conidiobolus thromboides</i>	163	<i>Zoophthora radicans</i>	252	<i>Beauveria bassiana</i>
74	<i>Conidiobolus obscurus</i>	164	<i>Entomophaga aulicae</i>	253	<i>Hirsutella thompsonii</i>
75	<i>Zoophthora radicans</i>	165	<i>Entomophaga aulicae</i>	254	<i>Hirsutella thompsonii</i> var. <i>vinacea</i>
78	<i>Pandora neoaphidis</i>	166	<i>Entomophaga aulicae</i>	255	<i>Hirsutella thompsonii</i>
79	<i>Conidiobolus osmodes</i>	167	<i>Entomophaga aulicae</i>	256	<i>Hirsutella thompsonii</i>
80	<i>Conidiobolus sp.</i>	168	<i>Entomophaga aulicae</i>	257	<i>Hirsutella thompsonii</i>
81	<i>Conidiobolus sp.</i>	172	<i>Entomophaga aulicae</i>	258	<i>Hirsutella thompsonii</i>
83	<i>Conidiobolus thromboides</i>	174	<i>Batkoa apiculata</i>	259	<i>Hirsutella thompsonii</i>
84	<i>Conidiobolus thromboides</i>	177	<i>Hirsutella longicolla</i> var. <i>cornuta</i>	260	<i>Basidiobolus ranarum</i>
85	<i>Conidiobolus thromboides</i>	178	<i>Hirsutella longicolla</i> var. <i>cornuta</i>	261	<i>Basidiobolus haptosporus</i>
86	<i>Conidiobolus thromboides</i>	179	<i>Saprolegnia sp.</i>	262	<i>Basidiobolus haptosporus</i>
87	<i>Conidiobolus thromboides</i>	180	<i>Saprolegnia sp.</i>	263	<i>Basidiobolus haptosporus</i>
88	<i>Zoophthora radicans</i>	181	<i>Pandora neoaphidis</i>	264	<i>Basidiobolus haptosporus</i>
92	<i>Conidiobolus sp.</i>	182	<i>Conidiobolus obscurus</i>	265	<i>Basidiobolus microsporus</i>
93	<i>Conidiobolus sp.</i>	183	<i>Zoophthora radicans</i>	267	<i>Basidiobolus microsporus</i>
94	<i>Conidiobolus sp.</i>	184	<i>Zoophthora radicans</i>	268	<i>Basidiobolus microsporus</i>
97	<i>Conidiobolus obscurus</i>	185	<i>Zoophthora radicans</i>	269	<i>Basidiobolus microsporus</i>
99	<i>Conidiobolus thromboides</i>	186	<i>Zoophthora radicans</i>	270	<i>Basidiobolus sp.</i>
100	<i>Conidiobolus thromboides</i>	187	<i>Zoophthora radicans</i>	271	<i>Basidiobolus sp.</i>
101	<i>Conidiobolus thromboides</i>	188	<i>Zoophthora radicans</i>	272	<i>Basidiobolus haptosporus</i>
102	<i>Conidiobolus thromboides</i>	189	<i>Zoophthora radicans</i>	273	<i>Basidiobolus sp.</i>
103	<i>Zoophthora radicans</i>	191	<i>Zoophthora phytonomi</i>	274	<i>Conidiobolus coronatus</i>
104	<i>Zoophthora radicans</i>	192	<i>Zoophthora phytonomi</i>	275	<i>Beauveria bassiana</i>
105	<i>Zoophthora radicans</i>	193	<i>Conidiobolus osmodes</i>	276	<i>Beauveria bassiana</i>
106	<i>Zoophthora radicans</i>	194	<i>Conidiobolus thromboides</i>	277	<i>Beauveria bassiana</i>
107	<i>Zoophthora radicans</i>	198	<i>Entomophaga aulicae</i>	278	<i>Beauveria bassiana</i>
108	<i>Zoophthora radicans</i>	199	<i>Pandora nouryi</i>	279	<i>Beauveria bassiana</i>
109	<i>Zoophthora radicans</i>	201	<i>Beauveria bassiana</i>	280	<i>Beauveria bassiana</i>
110	<i>Zoophthora radicans</i>	202	<i>Zoophthora phytonomi</i>	281	<i>Beauveria bassiana</i>
111	<i>Zoophthora radicans</i>	203	<i>Schizangiella serpentis</i>	282	<i>Beauveria bassiana</i>
112	<i>Zoophthora radicans</i>	204	<i>Lecanicillium muscarium</i>	283	<i>Beauveria bassiana</i>
113	<i>Zoophthora phytonomi</i>	205	<i>Conidiobolus coronatus</i>	284	<i>Beauveria bassiana</i>
114	<i>Zoophthora radicans</i>	206	<i>Conidiobolus coronatus</i>	285	<i>Beauveria bassiana</i>
115	<i>Conidiobolus thromboides</i>	207	<i>Zoophthora occidentalis</i>	286	<i>Beauveria bassiana</i>
120	<i>Conidiobolus thromboides</i>	208	<i>Conidiobolus thromboides</i>	287	<i>Beauveria bassiana</i>
121	<i>Conidiobolus obscurus</i>	211	<i>Conidiobolus sp.</i>	288	<i>Beauveria bassiana</i>

- 289 *Beauveria bassiana*
290 *Beauveria bassiana*
291 *Beauveria bassiana*
292 *Beauveria pseudobassiana*
293 *Beauveria bassiana*
294 *Isaria farinosa*
295 *Beauveria bassiana*
296 *Beauveria bassiana*
297 *Metarhizium majus*
298 *Metarhizium majus*
299 *Beauveria pseudobassiana*
300 *Beauveria bassiana sensu stricto*
301 *Beauveria bassiana*
302 *Beauveria bassiana*
303 *Beauveria bassiana*
304 *Beauveria bassiana*
305 *Beauveria bassiana*
306 *Beauveria bassiana*
307 *Beauveria bassiana*
308 *Beauveria bassiana*
309 *Paecilomyces sp.*
310 *Lecanicillium muscarium*
311 *Lecanicillium muscarium*
312 *Lecanicillium muscarium*
313 *Lecanicillium muscarium*
314 *Lecanicillium muscarium*
317 *Beauveria bassiana*
318 *Beauveria bassiana*
319 *Beauveria bassiana*
320 *Beauveria bassiana*
321 *Lecanicillium longisporum*
322 *Isaria javanica*
323 *Metarhizium rileyi*
324 *Metarhizium acridum*
325 *Beauveria bassiana*
326 *Beauveria bassiana*
328 *Entomophaga australiensis*
331 *Entomophaga australiensis*
333 *Beauveria bassiana*
334 *Beauveria bassiana*
335 *Beauveria bassiana*
336 *Beauveria bassiana*
337 *Beauveria bassiana*
338 *Beauveria bassiana*
340 *Beauveria bassiana*
341 *Aschersonia aleyrodis*
342 *Aschersonia aleyrodis*
343 *Aschersonia goldiana*
344 *Beauveria bassiana*
346 *Metarhizium brunneum*
349 *Conidiobolus coronatus*
350 *Beauveria bassiana*
352 *Zoophthora phalloides*
353 *Beauveria bassiana*
354 *Conidiobolus obscurus*
355 *Conidiobolus obscurus*
356 *Beauveria bassiana*
357 *Beauveria bassiana*
358 *Metarhizium rileyi*
359 *Zoophthora radicans*
362 *Pandora nouryi*
363 *Conidiobolus thromboides*
365 *Entomophaga australiensis*
366 *Pandora nouryi*
368 *Myriodontium keratinophilum*
369 *Pandora kondoiensis*
370 *Zoophthora radicans*
372 *Culicinyces clavispurus*
373 *Lagenidium giganteum*
374 *Massospora cicadina*
375 *Entomophaga macleodii*
376 *Entomophaga macleodii*
377 *Sorospora sp.*
379 *Zoophthora radicans*
380 *Metarhizium rileyi*
381 *Pandora neoaphidis*
382 *Entomophaga macleodii*
383 *Entomophaga calopteni*
384 *Beauveria bassiana*
385 *Paecilomyces sp.*
386 *Myriodontium keratinophilum*
387 *Entomophthora culicis*
388 *Zoophthora radicans*
389 *Zoophthora radicans*
390 *Entomophaga calopteni*
391 *Conidiobolus sp.*
392 *Entomophthora muscae*
393 *Entomophaga sp.*
394 *Furia virescens*
395 *Batkoa apiculata*
396 *Zoophthora anglica*
397 *Pandora dipterigena*
399 *Erynia ovispora*
400 *Erynia ovispora*
403 *Batkoa gigantea*
404 *Zoophthora radicans*
405 *Conidiobolus coronatus*
406 *Conidiobolus coronatus*
407 *Zoophthora radicans*
408 *Entomophaga calopteni*
410 *Purpureocillium lilacinum*
412 *Beauveria bassiana*
413 *Beauveria bassiana*
414 *Hirsutella thompsonii*
416 *Beauveria bassiana*
418 *Conidiobolus coronatus*
419 *Conidiobolus coronatus*
421 *Conidiobolus coronatus*
422 *Conidiobolus coronatus*
425 *Zoophthora aphidis*
426 *Zoophthora lanceolata*
427 *Furia virescens*
429 *Paecilomyces reniformis*
430 *Aschersonia aleyrodis*
432 *Aschersonia aleyrodis*
433 *Beauveria bassiana*
434 *Conidiobolus obscurus*
435 *Metarhizium anisopliae sensu lato*
436 *Metarhizium pingshaense*
437 *Metarhizium pingshaense*
438 *Metarhizium anisopliae sensu lato*
439 *Metarhizium pingshaense*
440 *Metarhizium anisopliae sensu lato*
441 *Metarhizium anisopliae sensu lato*
442 *Metarhizium anisopliae sensu lato*
443 *Metarhizium pingshaense*
444 *Metarhizium pingshaense*
445 *Metarhizium anisopliae sensu lato*
446 *Metarhizium pingshaense*
447 *Conidiobolus osmodes*
448 *Conidiobolus rhyosporus*
449 *Conidiobolus bangalorensis*
450 *Conidiobolus paulus*
451 *Conidiobolus adiaeretus*
452 *Conidiobolus brefeldianus*
453 *Conidiobolus pumilus*
454 *Entomophthora muscae*
455 *Metarhizium brunneum*
456 *Metarhizium pingshaense*
457 *Metarhizium anisopliae sensu lato*
458 *Pandora delphacis*
459 *Pandora delphacis*
460 *Pandora delphacis*
461 *Pandora delphacis*
468 *Zoophthora lanceolata*
469 *Zoophthora lanceolata*
470 *Furia virescens*
471 *Conidiobolus coronatus*
472 *Metarhizium brunneum*
473 *Metarhizium majus*
474 *Beauveria bassiana*
475 *Isaria farinosa*
476 *Isaria farinosa*
477 *Beauveria bassiana*
478 *Pandora delphacis*
481 *Metarhizium rileyi*
482 *Metarhizium rileyi*
483 *Metarhizium rileyi*
484 *Paecilomyces reniformis*
485 *Metarhizium anisopliae sensu lato*
486 *Metarhizium anisopliae sensu lato*
487 *Metarhizium anisopliae sensu lato*
488 *Metarhizium anisopliae sensu lato*
489 *Metarhizium anisopliae sensu lato*
490 *Hirsutella citrififormis*
491 *Zoophthora radicans*
496 *Entomophaga macleodii*
497 *Entomophaga calopteni*
498 *Entomophaga calopteni*
499 *Entomophaga macleodii*
500 *Entomophaga calopteni*
501 *Beauveria bassiana*
502 *Beauveria bassiana*
503 *Beauveria bassiana*
504 *Beauveria bassiana*
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506 *Beauveria bassiana*
507 *Beauveria bassiana*
509 *Beauveria bassiana*
510 *Beauveria bassiana*
511 *Conidiobolus coronatus*
512 *Conidiobolus coronatus*
514 *Conidiobolus coronatus*
517 *Conidiobolus sp.*
520 *Conidiobolus coronatus*
522 *Conidiobolus sp.*
523 *Conidiobolus coronatus*
524 *Conidiobolus coronatus*
525 *Conidiobolus coronatus*
527 *Tilletiopsis sp.*
528 *Conidiobolus coronatus*
531 *Purpureocillium lilacinum*
532 *Hirsutella citrififormis*
533 *Beauveria bassiana*
534 *Beauveria bassiana*
535 *Beauveria bassiana*
536 *Beauveria bassiana*
538 *Metarhizium pingshaense*
539 *Metarhizium rileyi*
543 *Metarhizium anisopliae sensu lato*
547 *Beauveria sp.*
549 *Metarhizium anisopliae sensu lato*
550 *Metarhizium anisopliae sensu lato*
551 *Metarhizium anisopliae sensu lato*
552 *Metarhizium pingshaense*
555 *Lecanicillium lecanii*
556 *Entomophthora muscae*
557 *Entomophthora muscae*
558 *Metarhizium rileyi*
560 *Beauveria bassiana*

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563	<i>Conidiobolus coronatus</i>	645	<i>Culicinomyces clavisporus</i>	730	<i>Beauveria bassiana</i>
564	<i>Conidiobolus</i> sp.	646	<i>Entomophaga calopteni</i>	731	<i>Beauveria bassiana</i>
565	<i>Conidiobolus coronatus</i>	648	<i>Isaria farinosa</i>	732	<i>Beauveria bassiana</i>
566	<i>Beauveria bassiana</i>	649	<i>Conidiobolus thromboides</i>	733	<i>Beauveria bassiana</i>
567	<i>Conidiobolus coronatus</i>	650	<i>Macrobiotopthora vermicola</i>	734	<i>Beauveria bassiana</i>
568	<i>Hirsutella</i> sp.	651	<i>Entomophthora muscae</i>	735	<i>Beauveria bassiana</i>
569	<i>Gibellula</i> sp.	652	<i>Beauveria bassiana</i>	736	<i>Beauveria bassiana</i>
570	<i>Gibellula</i> sp.	653	<i>Trichothecium</i> sp.	737	<i>Beauveria bassiana</i>
572	<i>Tilletiopsis</i> sp.	654	<i>Beauveria bassiana</i>	738	<i>Beauveria bassiana</i>
573	<i>Tilletiopsis</i> sp.	655	<i>Conidiobolus coronatus</i>	739	<i>Beauveria bassiana</i>
575	<i>Pandora delphacis</i>	656	<i>Beauveria amorpha</i>	741	<i>Isaria amoenerosea</i>
576	<i>Metarhizium pingshaense</i>	657	<i>Pandora delphacis</i>	742	<i>Furia americana</i>
577	<i>Paecilomyces reniformis</i>	659	<i>Pandora delphacis</i>	743	<i>Entomophaga australiensis</i>
579	<i>Pandora delphacis</i>	660	<i>Pandora delphacis</i>	744	<i>Isaria amoenerosea</i>
580	<i>Pandora delphacis</i>	662	<i>Neozygites</i> sp.	748	<i>Lagenidium giganteum</i>
581	<i>Entomophaga australiensis</i>	664	<i>Pandora delphacis</i>	749	<i>Lagenidium giganteum</i>
582	<i>Culicinomyces clavisporus</i>	665	<i>Pandora delphacis</i>	750	<i>Erynia aquatica</i>
583	<i>Culicinomyces clavisporus</i>	666	<i>Pandora delphacis</i>	751	<i>Beauveria bassiana sensu stricto</i>
584	<i>Culicinomyces clavisporus</i>	667	<i>Pandora delphacis</i>	752	<i>Beauveria bassiana</i>
585	<i>Culicinomyces clavisporus</i>	668	<i>Pandora delphacis</i>	753	<i>Beauveria bassiana</i>
587	<i>Metarhizium anisopliae sensu stricto</i>	669	<i>Pandora delphacis</i>	754	<i>Beauveria bassiana</i>
588	<i>Metarhizium pingshaense</i>	670	<i>Pandora delphacis</i>	755	<i>Metarhizium anisopliae sensu stricto</i>
589	<i>Metarhizium anisopliae sensu lato</i>	672	<i>Pandora delphacis</i>	756	<i>Beauveria bassiana</i>
590	<i>Beauveria</i> sp.	673	<i>Pandora delphacis</i>	757	<i>Beauveria bassiana</i>
591	<i>Hirsutella citrififormis</i>	674	<i>Pandora delphacis</i>	758	<i>Beauveria bassiana</i>
593	<i>Pandora delphacis</i>	676	<i>Pandora delphacis</i>	759	<i>Metarhizium anisopliae sensu lato</i>
595	<i>Conidiobolus</i> sp.	678	<i>Beauveria brongniartii</i>	760	<i>Metarhizium anisopliae sensu lato</i>
596	<i>Conidiobolus</i> sp.	679	<i>Beauveria bassiana</i>	762	<i>Metarhizium rileyi</i>
597	<i>Conidiobolus coronatus</i>	680	<i>Paecilomyces</i> sp.	763	<i>Purpureocillium lilacinum</i>
598	<i>Conidiobolus</i> nr. <i>coronatus</i>	681	<i>Beauveria bassiana</i>	764	<i>Erynia aquatica</i>
599	<i>Conidiobolus</i> nr. <i>coronatus</i>	682	<i>Pandora delphacis</i>	765	<i>Entomophaga macleodii</i>
600	<i>Conidiobolus</i> nr. <i>coronatus</i>	683	<i>Metarhizium guizhouense</i>	767	<i>Entomophaga macleodii</i>
602	<i>Conidiobolus</i> nr. <i>coronatus</i>	684	<i>Hirsutella citrififormis</i>	768	<i>Entomophaga macleodii</i>
603	<i>Pandora delphacis</i>	685	<i>Zoopthora radicans</i>	769	<i>Entomophaga macleodii</i>
604	<i>Conidiobolus</i> sp.	686	<i>Pandora delphacis</i>	770	<i>Entomophaga macleodii</i>
605	<i>Conidiobolus</i> sp.	687	<i>Fusarium</i> sp.	771	<i>Entomophaga macleodii</i>
606	<i>Conidiobolus</i> sp.	689	<i>Ascospaera aggregata</i>	772	<i>Entomophaga macleodii</i>
608	<i>Pandora neoaphidis</i>	690	<i>Ascospaera aggregata</i>	773	<i>Entomophaga macleodii</i>
609	<i>Pandora neoaphidis</i>	691	<i>Ascospaera apis</i>	774	<i>Entomophaga macleodii</i>
610	<i>Pandora neoaphidis</i>	692	<i>Ascospaera apis</i>	775	<i>Entomophaga macleodii</i>
611	<i>Pandora neoaphidis</i>	693	<i>Ascospaera atra</i>	776	<i>Entomophaga macleodii</i>
612	<i>Pandora neoaphidis</i>	694	<i>Ascospaera major</i>	777	<i>Entomophaga macleodii</i>
613	<i>Pandora neoaphidis</i>	695	<i>Ascospaera proliperda</i>	778	<i>Entomophaga macleodii</i>
614	<i>Pandora neoaphidis</i>	696	<i>Ascospaera proliperda</i>	779	<i>Entomophaga macleodii</i>
616	<i>Tolypocladium inflatum</i>	697	<i>Isaria farinosa</i>	781	<i>Furia pieris</i>
617	<i>Beauveria brongniartii</i>	698	<i>Pandora delphacis</i>	782	<i>Metarhizium anisopliae sensu lato</i>
618	<i>Entomophaga macleodii</i>	700	<i>Conidiobolus lachnodes</i>	783	<i>Beauveria bassiana</i>
619	<i>Entomophaga macleodii</i>	703	<i>Metarhizium guizhouense</i>	784	<i>Beauveria bassiana</i>
620	<i>Entomophaga macleodii</i>	705	<i>Tolypocladium cylindrosporum</i>	785	<i>Beauveria bassiana</i>
621	<i>Entomophaga macleodii</i>	706	<i>Culicinomyces clavisporus</i>	786	<i>Beauveria bassiana</i>
623	<i>Entomophaga calopteni</i>	707	<i>Entomophthora muscae</i>	787	<i>Beauveria bassiana</i>
624	<i>Entomophaga macleodii</i>	708	<i>Beauveria bassiana</i>	788	<i>Beauveria bassiana</i>
625	<i>Entomophaga calopteni</i>	709	<i>Beauveria bassiana</i>	789	<i>Zoopthora radicans</i>
626	<i>Entomophaga calopteni</i>	711	<i>Metarhizium rileyi</i>	790	<i>Zoopthora radicans</i>
628	<i>Entomophaga macleodii</i>	712	<i>Metarhizium pingshaense</i>	791	<i>Entomophaga australiensis</i>
629	<i>Entomophaga macleodii</i>	713	<i>Pandora delphacis</i>	792	<i>Beauveria bassiana</i>
630	<i>Conidiobolus thromboides</i>	714	<i>Beauveria bassiana</i>	793	<i>Beauveria bassiana</i>
631	<i>Conidiobolus thromboides</i>	716	<i>Pandora delphacis</i>	794	<i>Metarhizium pemphigi</i>
632	<i>Conidiobolus thromboides</i>	717	<i>Beauveria bassiana</i>	795	<i>Lecanicillium muscarium</i>
633	<i>Conidiobolus thromboides</i>	718	<i>Beauveria bassiana</i>	796	<i>Beauveria bassiana</i>
634	<i>Conidiobolus thromboides</i>	719	<i>Beauveria bassiana</i>	797	<i>Metarhizium robertsii</i>
635	<i>Conidiobolus thromboides</i>	720	<i>Isaria fumosorosea</i>	798	<i>Metarhizium anisopliae sensu stricto</i>
636	<i>Pandora neoaphidis</i>	721	<i>Beauveria bassiana</i>	799	<i>Isaria farinosa</i>
637	<i>Pandora neoaphidis</i>	722	<i>Isaria fumosorosea</i>	800	<i>Zoopthora radicans</i>
638	<i>Pandora neoaphidis</i>	723	<i>Purpureocillium lilacinum</i>	801	<i>Erynia rhizospora</i>
639	<i>Pandora neoaphidis</i>	724	<i>Metarhizium robertsii</i>	803	<i>Entomophthora muscae</i>
640	<i>Eryniopsis caroliniana</i>	725	<i>Metarhizium anisopliae sensu lato</i>	804	<i>Beauveria bassiana</i>
641	<i>Eryniopsis caroliniana</i>	727	<i>Metarhizium robertsii</i>	805	<i>Beauveria bassiana</i>
642	<i>Eryniopsis caroliniana</i>	728	<i>Metarhizium anisopliae sensu lato</i>	806	<i>Beauveria bassiana</i>
644	<i>Culicinomyces clavisporus</i>	729	<i>Metarhizium anisopliae sensu lato</i>	807	<i>Trichoderma</i> sp.

- 808 *Metarhizium anisopliae* sensu lato
809 *Beauveria bassiana*
810 *Lecanicillium muscarium*
811 *Lecanicillium muscarium*
812 *Beauveria bassiana*
813 *Beauveria pseudobassiana*
814 *Beauveria pseudobassiana*
815 *Beauveria bassiana*
816 *Beauveria bassiana*
817 *Metarhizium brunneum*
818 *Metarhizium anisopliae* sensu lato
819 *Metarhizium guizhouense*
820 *Metarhizium brunneum*
821 *Fusarium coccophilum*
822 *Zoopthora radicans*
823 *Zoopthora radicans*
824 *Conidiobolus obscurus*
825 *Pandora kondoiensis*
826 *Entomophthora muscae*
827 *Pandora neoaphidis*
828 *Pandora kondoiensis*
829 *Pandora neoaphidis*
830 *Pandora neoaphidis*
832 *Conidiobolus obscurus*
833 *Pandora neoaphidis*
834 *Conidiobolus obscurus*
835 *Pandora neoaphidis*
836 *Pandora kondoiensis*
837 *Pandora kondoiensis*
838 *Pandora neoaphidis*
839 *Batkoa apiculata*
840 *Entomophaga praxibuli*
841 *Tolyposcladium cylindrosporum*
842 *Beauveria bassiana*
843 *Beauveria bassiana*
844 *Metarhizium anisopliae* sensu lato
845 *Metarhizium anisopliae* sensu lato
846 *Metarhizium anisopliae* sensu lato
847 *Metarhizium anisopliae* sensu lato
848 *Metarhizium anisopliae* sensu lato
849 *Metarhizium anisopliae* sensu lato
850 *Metarhizium anisopliae* sensu lato
851 *Metarhizium anisopliae* sensu lato
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862 *Metarhizium anisopliae* sensu lato
863 *Metarhizium anisopliae* sensu lato
864 *Metarhizium anisopliae* sensu lato
865 *Metarhizium anisopliae* sensu lato
866 *Metarhizium anisopliae* sensu lato
867 *Metarhizium anisopliae* sensu lato
868 *Metarhizium anisopliae* sensu lato
869 *Metarhizium anisopliae* sensu lato
870 *Metarhizium anisopliae* sensu lato
871 *Metarhizium anisopliae* sensu lato
872 *Metarhizium anisopliae* sensu lato
873 *Metarhizium anisopliae* sensu lato
874 *Metarhizium anisopliae* sensu lato
875 *Metarhizium anisopliae* sensu lato
876 *Erynia* sp.
878 *Hirsutella guyana*
879 *Hirsutella guyana*
880 *Erynia* sp.
881 *Hirsutella guyana*
882 *Hirsutella guyana*
883 *Hirsutella guyana*
884 *Erynia* sp.
886 *Beauveria bassiana*
887 *Isaria fumosorosea*
889 *Metarhizium anisopliae* sensu lato
890 *Metarhizium anisopliae* sensu lato
891 *Metarhizium anisopliae* sensu lato
892 *Metarhizium anisopliae* sensu lato
893 *Metarhizium anisopliae* sensu lato
894 *Metarhizium anisopliae* sensu lato
895 *Metarhizium anisopliae* sensu lato
896 *Metarhizium anisopliae* sensu lato
897 *Metarhizium anisopliae* sensu lato
898 *Metarhizium anisopliae* sensu lato
899 *Zoopthora radicans*
900 *Lecanicillium muscarium*
901 *Metarhizium anisopliae* sensu lato
902 *Metarhizium anisopliae* sensu lato
903 *Metarhizium anisopliae* sensu lato
904 *Metarhizium anisopliae* sensu lato
905 *Metarhizium anisopliae* sensu lato
906 *Metarhizium anisopliae* sensu lato
907 *Metarhizium anisopliae* sensu lato
908 *Metarhizium anisopliae* sensu lato
909 *Metarhizium anisopliae* sensu lato
910 *Metarhizium anisopliae* sensu lato
911 *Metarhizium anisopliae* sensu lato
912 *Metarhizium anisopliae* sensu lato
913 *Metarhizium anisopliae* sensu lato
914 *Zoopthora radicans*
915 *Pandora blunckii*
916 *Zoopthora anglica*
917 *Pandora blunckii*
919 *Batkoa apiculata*
920 *Pandora blunckii*
921 *Metarhizium anisopliae* sensu lato
922 *Metarhizium anisopliae* sensu lato
923
925 *Metarhizium anisopliae* sensu lato
926 *Zoopthora anglica*
927 *Batkoa apiculata*
928 *Beauveria bassiana*
929 *Metarhizium anisopliae* sensu lato
930 *Beauveria bassiana*
931 *Beauveria bassiana*
932 *Metarhizium anisopliae* sensu lato
933 *Beauveria bassiana*
934 *Beauveria bassiana*
935 *Metarhizium rileyi*
936 *Metarhizium rileyi*
937 *Beauveria bassiana*
938 *Beauveria bassiana*
939 *Metarhizium anisopliae* sensu lato
941 *Beauveria bassiana*
942 *Beauveria bassiana*
943 *Beauveria bassiana*
944 *Beauveria bassiana*
945 *Beauveria bassiana*
946 *Beauveria bassiana*
947 *Beauveria bassiana*
948 *Beauveria bassiana*
949 *Beauveria bassiana*
950 *Beauveria bassiana*
951 *Beauveria bassiana*
952 *Beauveria bassiana*
953 *Beauveria bassiana*
954 *Metarhizium anisopliae* sensu lato
955 *Metarhizium anisopliae* sensu lato
956 *Beauveria bassiana*
957 *Beauveria bassiana*
958 *Beauveria bassiana*
959 *Evlachovaea* sp.
960 *Metarhizium anisopliae* sensu lato
961 *Tolyposcladium cylindrosporum*
962 *Tolyposcladium cylindrosporum*
963 *Tolyposcladium cylindrosporum*
964 *Culicinomyces clavisporus*
965 *Metarhizium anisopliae* sensu lato
966 *Metarhizium anisopliae* sensu lato
967 *Metarhizium anisopliae* sensu lato
968 *Metarhizium anisopliae* sensu lato
970 *Hirsutella* sp.
971 *Paecilomyces* sp.
972 *Lecanicillium muscarium*
973 *Lecanicillium muscarium*
974 *Lecanicillium longisporum*
975 *Isaria farinosa*
976 *Tolyposcladium cylindrosporum*
977 *Metarhizium guizhouense*
978 *Metarhizium majus*
979 *Beauveria brongniartii*
980 *Lecanicillium muscarium*
981 *Isaria farinosa*
982 *Beauveria bassiana*
983 *Erynia* sp.
984 *Paecilomyces canadensis*
985 *Beauveria brongniartii*
986 *Purpureocillium lilacinum*
988 *Metarhizium brunneum*
989 *Isaria fumosorosea*
990 *Paecilomyces canadensis*
991 *Verticillium lecanii*
992 *Aschersonia aleyrodis*
993 *Pandora neoaphidis*
994 *Lecanicillium muscarium*
996 *Hirsutella satumansensis*
997 *Conidiobolus coronatus*
998 *Entomophaga aulicae*
999 *Conidiobolus* sp.
1000 *Pandora blunckii*
1001 *Beauveria bassiana*
1002 *Lecanicillium muscarium*
1003 *Aspergillus flavus*
1004 *Pandora blunckii*
1005 *Isaria fumosorosea*
1006 *Conidiobolus thromboides*
1007 *Beauveria bassiana*
1008 *Paecilomyces* sp.
1009 *Metarhizium pingshaense*
1010 *Aspergillus flavus*
1011 *Metarhizium pingshaense*
1013 Unidentified sp.
1014 *Metarhizium rileyi*
1015 *Metarhizium majus*
1016 *Beauveria bassiana*
1017 *Evlachovaea* sp.
1018 *Zoopthora radicans*
1019 *Zoopthora radicans*
1020 *Zoopthora radicans*
1021 *Zoopthora radicans*
1022 *Metarhizium anisopliae* sensu lato
1023 *Metarhizium anisopliae* sensu lato
1024 *Metarhizium anisopliae* sensu lato
1025 *Metarhizium anisopliae* sensu lato
1026 *Lecanicillium longisporum*
1027 *Tolyposcladium cylindrosporum*
1028 *Tolyposcladium cylindrosporum*

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1029	<i>Lecanicillium muscarium</i>	1102	<i>Lecanicillium muscarium</i>	1179	<i>Beauveria bassiana</i>
1030	<i>Aschersonia turbinata</i>	1103	<i>Beauveria bassiana</i>	1180	<i>Beauveria bassiana</i>
1032	<i>Lecanicillium muscarium</i> (?)	1104	<i>Beauveria bassiana</i>	1181	<i>Beauveria bassiana</i>
1033	<i>Lecanicillium muscarium</i>	1105	<i>Beauveria bassiana</i>	1182	<i>Beauveria bassiana</i>
1034	<i>Hirsutella versicolor</i>	1106	<i>Beauveria bassiana</i>	1183	<i>Beauveria bassiana</i>
1035	<i>Hirsutella citriformis</i>	1107	<i>Beauveria bassiana</i>	1184	<i>Metarhizium flavoviride</i>
1036	<i>Hirsutella citriformis</i>	1108	<i>Isaria farinosa</i>	1185	<i>Beauveria bassiana</i>
1037	<i>Hirsutella versicolor</i>	1109	<i>Lecanicillium lecanii</i> (?)	1186	<i>Beauveria bassiana</i>
1038	<i>Beauveria bassiana</i>	1110	<i>Beauveria bassiana</i>	1187	<i>Metarhizium brunneum</i>
1039	<i>Beauveria bassiana</i>	1111	<i>Isaria farinosa</i>	1188	<i>Beauveria bassiana</i>
1040	<i>Beauveria</i> sp.	1112	<i>Metarhizium brunneum</i>	1189	<i>Beauveria bassiana</i>
1041	<i>Beauveria bassiana</i>	1113	<i>Beauveria bassiana</i>	1190	<i>Beauveria bassiana</i>
1042	<i>Isaria farinosa</i>	1114	<i>Beauveria bassiana</i>	1191	<i>Beauveria bassiana</i>
1043	Mixed Culture sp.	1115	<i>Beauveria bassiana</i>	1192	<i>Beauveria bassiana</i>
1044	<i>Metarhizium anisopliae</i> sensu stricto	1116	<i>Metarhizium brunneum</i>	1193	<i>Beauveria bassiana</i>
1045	<i>Metarhizium anisopliae</i> sensu stricto	1117	<i>Beauveria bassiana</i>	1194	<i>Beauveria bassiana</i>
1046	<i>Metarhizium robertsii</i>	1118	<i>Beauveria bassiana</i>	1195	<i>Beauveria</i> sp.
1047	<i>Metarhizium rileyi</i>	1119	<i>Beauveria bassiana</i>	1196	<i>Beauveria</i> sp.
1048	<i>Zoopthora radicans</i>	1120	<i>Metarhizium robertsii</i>	1197	<i>Beauveria</i> sp.
1050	<i>Zoopthora radicans</i>	1121	<i>Beauveria bassiana</i>	1198	<i>Beauveria</i> sp.
1051	Unidentified sp.	1122	<i>Beauveria bassiana</i>	1199	<i>Beauveria</i> sp.
1052	<i>Erynia</i> sp.	1123	<i>Sorospora uvella</i>	1200	<i>Beauveria</i> sp.
1053	<i>Beauveria bassiana</i>	1124	<i>Pandora delphacis</i>	1201	<i>Beauveria</i> sp.
1054	<i>Beauveria bassiana</i>	1125	<i>Zoopthora radicans</i>	1202	<i>Beauveria</i> sp.
1055	<i>Metarhizium anisopliae</i> sensu lato	1126	<i>Entomophaga</i> sp.	1203	<i>Beauveria</i> sp.
1056	<i>Metarhizium anisopliae</i> sensu lato	1129	<i>Furia virescens</i>	1204	<i>Beauveria</i> sp.
1057	<i>Metarhizium robertsii</i>	1130	<i>Zoopthora radicans</i>	1205	<i>Beauveria</i> sp.
1058	<i>Purpureocillium lilacinum</i>	1131	<i>Conidiobolus obscurus</i>	1206	<i>Beauveria</i> sp.
1059	<i>Metarhizium anisopliae</i> sensu lato	1132	<i>Pandora delphacis</i>	1207	<i>Beauveria</i> sp.
1060	<i>Beauveria bassiana</i>	1133	<i>Pandora delphacis</i>	1208	<i>Beauveria</i> sp.
1061	<i>Beauveria bassiana</i>	1134	<i>Pandora neoaphidis</i>	1209	<i>Beauveria</i> sp.
1062	<i>Hirsutella citriformis</i>	1136	<i>Zoopthora radicans</i>	1210	<i>Beauveria</i> sp.
1063	<i>Hirsutella citriformis</i>	1137	<i>Pandora neoaphidis</i>	1211	<i>Beauveria</i> sp.
1064	<i>Hirsutella citriformis</i>	1139	<i>Basidiobolus ranarum</i>	1212	<i>Trichothecium roseum</i>
1065	<i>Isaria farinosa</i>	1140	<i>Entomophaga aulicae</i>	1213	<i>Beauveria</i> sp.
1066	<i>Metarhizium brunneum</i>	1143	<i>Erynia</i> sp.	1214	<i>Beauveria</i> sp.
1067	<i>Beauveria brongniartii</i>	1145	<i>Furia neopyralidarum</i>	1215	<i>Beauveria</i> sp.
1068	<i>Beauveria brongniartii</i>	1146	<i>Batkoa apiculata</i>	1216	<i>Beauveria</i> sp.
1069	<i>Beauveria brongniartii</i>	1147	<i>Conidiobolus coronatus</i>	1217	<i>Trichothecium</i> sp.
1070	<i>Beauveria brongniartii</i>	1148	<i>Fusarium solani</i>	1218	<i>Beauveria</i> sp.
1071	<i>Beauveria brongniartii</i>	1149	<i>Beauveria bassiana</i>	1219	<i>Beauveria</i> sp.
1072	<i>Beauveria brongniartii</i>	1150	<i>Beauveria bassiana</i>	1220	<i>Beauveria</i> sp.
1073	<i>Beauveria bassiana</i>	1151	<i>Beauveria bassiana</i>	1221	<i>Beauveria</i> sp.
1074	<i>Beauveria bassiana</i>	1152	<i>Aspergillus</i> sp.	1222	<i>Beauveria</i> sp.
1075	<i>Beauveria bassiana</i>	1153	<i>Beauveria bassiana</i>	1223	<i>Trichothecium</i> sp.
1076	<i>Beauveria brongniartii</i>	1154	<i>Beauveria bassiana</i>	1224	<i>Beauveria</i> sp.
1077	<i>Beauveria brongniartii</i>	1155	<i>Beauveria bassiana</i>	1225	<i>Isaria farinosa</i>
1079	<i>Beauveria bassiana</i>	1156	<i>Beauveria bassiana</i>	1226	<i>Trichothecium roseum</i>
1080	<i>Metarhizium anisopliae</i> sensu stricto	1157	<i>Beauveria bassiana</i>	1227	<i>Zoopthora radicans</i>
1081	<i>Beauveria bassiana</i>	1158	<i>Beauveria bassiana</i>	1228	<i>Zoopthora radicans</i>
1082	<i>Zoopthora radicans</i>	1159	<i>Beauveria bassiana</i>	1229	<i>Zoopthora radicans</i>
1083	<i>Metarhizium anisopliae</i> sensu lato	1160	<i>Beauveria bassiana</i>	1230	<i>Entomophaga</i> sp.
1084	<i>Metarhizium anisopliae</i> sensu lato	1161	<i>Beauveria bassiana</i>	1231	<i>Zoopthora radicans</i>
1085	<i>Metarhizium anisopliae</i> sensu lato	1162	<i>Beauveria bassiana</i>	1232	<i>Zoopthora radicans</i>
1086	<i>Metarhizium anisopliae</i> sensu lato	1163	<i>Beauveria bassiana</i>	1233	<i>Zoopthora radicans</i>
1087	<i>Metarhizium anisopliae</i> sensu lato	1164	<i>Beauveria bassiana</i>	1234	<i>Zoopthora radicans</i>
1088	<i>Metarhizium anisopliae</i> sensu lato	1165	<i>Beauveria bassiana</i>	1236	<i>Zoopthora radicans</i>
1089	<i>Metarhizium anisopliae</i> sensu lato	1166	<i>Beauveria bassiana</i>	1237	<i>Zoopthora radicans</i>
1090	<i>Metarhizium anisopliae</i> sensu lato	1167	<i>Beauveria bassiana</i>	1238	<i>Pandora delphacis</i>
1091	<i>Metarhizium anisopliae</i> sensu lato	1168	<i>Beauveria bassiana</i>	1239	<i>Zoopthora radicans</i>
1092	<i>Metarhizium guizhouense</i>	1169	<i>Beauveria bassiana</i>	1240	<i>Furia americana</i>
1093	<i>Metarhizium guizhouense</i>	1170	<i>Beauveria bassiana</i>	1241	<i>Erynia</i> sp.
1094	<i>Metarhizium anisopliae</i> sensu lato	1171	<i>Beauveria bassiana</i>	1242	<i>Furia americana</i>
1095	<i>Metarhizium brunneum</i>	1172	<i>Beauveria bassiana</i>	1243	<i>Hirsutella citriformis</i>
1096	<i>Hirsutella</i> sp.	1173	<i>Beauveria bassiana</i>	1244	<i>Hirsutella citriformis</i>
1097	<i>Metarhizium anisopliae</i> sensu lato	1174	<i>Beauveria bassiana</i>	1245	<i>Hirsutella citriformis</i>
1098	<i>Beauveria bassiana</i>	1175	<i>Beauveria bassiana</i>	1246	<i>Hirsutella citriformis</i>
1099	<i>Metarhizium minus</i>	1176	<i>Beauveria bassiana</i>	1249	<i>Hirsutella citriformis</i>
1100	<i>Zoopthora radicans</i>	1177	<i>Beauveria bassiana</i>	1251	<i>Hirsutella citriformis</i>
1101	<i>Pandora delphacis</i>	1178	<i>Beauveria bassiana</i>	1252	<i>Hirsutella citriformis</i>

1253	<i>Hirsutella citriformis</i>	1323	<i>Beauveria bassiana</i>	1397	<i>Beauveria bassiana</i>
1254	<i>Hirsutella citriformis</i>	1324	<i>Beauveria bassiana</i>	1398	<i>Beauveria bassiana</i>
1255	<i>Hirsutella citriformis</i>	1325	<i>Beauveria bassiana</i>	1399	<i>Beauveria bassiana</i>
1256	<i>Hirsutella citriformis</i>	1326	<i>Beauveria bassiana</i>	1400	<i>Entomophaga maimaiga</i>
1257	<i>Hirsutella citriformis</i>	1327	<i>Beauveria</i> sp.	1401	<i>Lecanicillium muscarium</i>
1258	<i>Hirsutella citriformis</i>	1328	<i>Lecanicillium muscarium</i>	1402	<i>Lecanicillium muscarium</i>
1259	<i>Hirsutella citriformis</i>	1329	<i>Aphanocladium album</i>	1403	<i>Lecanicillium muscarium</i>
1260	<i>Culicinomyces clavisporus</i>	1330	<i>Lecanicillium muscarium</i>	1404	<i>Beauveria bassiana</i>
1261	<i>Zoophthora radicans</i>	1331	<i>Fusarium lateritium</i>	1405	<i>Beauveria bassiana</i>
1262	<i>Zoophthora radicans</i>	1332	<i>Lecanicillium muscarium</i>	1406	<i>Beauveria bassiana</i>
1263	<i>Zoophthora radicans</i>	1333	<i>Verticillium lecanii</i>	1407	<i>Beauveria bassiana</i>
1264	<i>Pandora delphacis</i>	1334	<i>Lecanicillium muscarium</i>	1408	<i>Beauveria bassiana</i>
1265	<i>Pandora delphacis</i>	1335	<i>Lecanicillium muscarium</i>	1409	<i>Beauveria bassiana</i>
1266	<i>Erynia</i> sp.	1336	<i>Zoophthora radicans</i>	1410	<i>Beauveria bassiana</i>
1267	<i>Erynia</i> sp.	1337	<i>Zoophthora radicans</i>	1411	<i>Beauveria bassiana</i>
1268	<i>Pandora delphacis</i>	1338	<i>Erynia</i> sp.	1412	<i>Beauveria bassiana</i>
1269	<i>Beauveria bassiana</i>	1339	<i>Furia ithacensis</i>	1413	<i>Beauveria bassiana</i>
1270	<i>Beauveria bassiana</i>	1340	<i>Furia ithacensis</i>	1414	<i>Beauveria bassiana</i>
1271	<i>Metarhizium minus</i>	1341	<i>Zoophthora radicans</i>	1415	Unidentified sp.
1272	<i>Metarhizium minus</i>	1342	<i>Zoophthora radicans</i>	1416	<i>Fusarium lateritium</i>
1273	<i>Metarhizium minus</i>	1343	<i>Zoophthora radicans</i>	1417	Unidentified sp.
1274	<i>Metarhizium minus</i>	1344	<i>Zoophthora radicans</i>	1419	Unidentified sp.
1275	<i>Metarhizium minus</i>	1345	<i>Zoophthora radicans</i>	1420	Unidentified sp.
1276	<i>Metarhizium minus</i>	1346	<i>Zoophthora radicans</i>	1421	Unidentified sp.
1277	<i>Metarhizium minus</i>	1347	<i>Basidiobolus haptosporus</i>	1422	<i>Pandora dipterigena</i>
1278	<i>Metarhizium brunneum</i>	1348	<i>Isaria farinosa</i>	1423	Unidentified sp.
1279	<i>Metarhizium minus</i>	1349	<i>Isaria farinosa</i>	1424	<i>Polycephalomycetes formosus</i>
1280	<i>Metarhizium anisopliae</i> sensu lato	1350	<i>Zoophthora radicans</i>	1425	<i>Tritirachium isariae</i>
1281	<i>Metarhizium anisopliae</i> sensu lato	1351	<i>Lecanicillium lecanii</i>	1426	<i>Conidiobolus</i> sp.
1282	<i>Metarhizium anisopliae</i> sensu lato	1352	<i>Lecanicillium muscarium</i>	1427	<i>Batkoa major</i>
1283	<i>Metarhizium minus</i>	1353	<i>Sterile mycelium</i>	1428	<i>Zoophthora radicans</i>
1284	<i>Metarhizium anisopliae</i> sensu lato	1354	<i>Isaria farinosa</i>	1431	<i>Beauveria brongniartii</i>
1285	<i>Metarhizium anisopliae</i> sensu lato	1355	<i>Isaria farinosa</i>	1432	<i>Metarhizium anisopliae</i> sensu lato
1286	<i>Metarhizium anisopliae</i> sensu lato	1356	Unidentified sp.	1435	<i>Sterile mycelium</i>
1287	<i>Metarhizium minus</i>	1357	<i>Verticillium lecanii</i>	1436	<i>Hirsutella citriformis</i>
1288	<i>Metarhizium minus</i>	1358	<i>Isaria farinosa</i>	1439	<i>Erynia conica</i>
1289	<i>Metarhizium minus</i>	1359	<i>Beauveria pseudobassiana</i>	1440	<i>Erynia rhizospora</i>
1290	<i>Metarhizium anisopliae</i> sensu lato	1360	<i>Beauveria pseudobassiana</i>	1441	<i>Erynia rhizospora</i>
1291	<i>Metarhizium minus</i>	1361	<i>Trichoderma</i> sp.	1442	<i>Erynia rhizospora</i>
1292	<i>Metarhizium minus</i>	1362	<i>Hirsutella</i> nr. <i>haptospora</i>	1443	<i>Erynia rhizospora</i>
1293	<i>Metarhizium minus</i>	1363	<i>Hirsutella</i> nr. <i>haptospora</i>	1444	<i>Conidiobolus</i> sp.
1294	<i>Metarhizium minus</i>	1364	<i>Hirsutella</i> nr. <i>haptospora</i>	1445	<i>Conidiobolus</i> sp.
1295	<i>Metarhizium minus</i>	1365	<i>Metapochonia bulbillosa</i> (?)	1446	<i>Hirsutella citriformis</i>
1296	<i>Metarhizium minus</i>	1366	<i>Beauveria brongniartii</i>	1448	<i>Metarhizium pingshaense</i>
1297	<i>Metarhizium minus</i>	1367	<i>Simplicillium lamellicola</i>	1449	<i>Metarhizium anisopliae</i> sensu lato
1298	<i>Metarhizium robertsii</i>	1369	<i>Hirsutella radiata</i>	1450	<i>Beauveria bassiana</i>
1299	<i>Metarhizium anisopliae</i> sensu lato	1371	<i>Fusarium oxysporum</i>	1453	<i>Beauveria bassiana</i>
1300	<i>Metarhizium anisopliae</i> sensu lato	1372	<i>Acremonium furcatum</i>	1454	<i>Beauveria bassiana</i>
1301	<i>Metarhizium minus</i>	1373	<i>Metarhizium anisopliae</i> sensu lato	1455	<i>Beauveria bassiana</i>
1302	<i>Metarhizium minus</i>	1374	<i>Metarhizium anisopliae</i> sensu lato	1456	<i>Beauveria bassiana</i>
1303	<i>Metarhizium minus</i>	1375	<i>Metarhizium anisopliae</i> sensu lato	1457	<i>Beauveria bassiana</i>
1304	<i>Metarhizium anisopliae</i> sensu lato	1376	<i>Metarhizium anisopliae</i> sensu lato	1458	<i>Beauveria bassiana</i>
1305	<i>Metarhizium minus</i>	1377	<i>Metarhizium anisopliae</i> sensu lato	1459	<i>Beauveria bassiana</i>
1306	<i>Beauveria bassiana</i>	1378	<i>Metarhizium anisopliae</i> sensu lato	1460	<i>Beauveria bassiana</i>
1307	<i>Fusarium</i> sp.	1379	<i>Metarhizium anisopliae</i> sensu lato	1461	<i>Beauveria bassiana</i>
1308	<i>Trichothecium roseum</i>	1380	<i>Metarhizium anisopliae</i> sensu lato	1462	<i>Beauveria bassiana</i>
1309	<i>Beauveria bassiana</i>	1382	<i>Metarhizium anisopliae</i> sensu lato	1463	<i>Beauveria bassiana</i>
1310	<i>Fusarium proliferatum</i>	1383	<i>Metarhizium majus</i>	1464	<i>Beauveria bassiana</i>
1311	<i>Beauveria bassiana</i>	1384	<i>Lagenidium giganteum</i>	1465	<i>Beauveria bassiana</i>
1312	<i>Beauveria bassiana</i>	1386	<i>Metarhizium anisopliae</i> sensu lato	1466	<i>Beauveria bassiana</i>
1313	<i>Beauveria bassiana</i>	1387	<i>Metarhizium anisopliae</i> sensu lato	1467	<i>Beauveria bassiana</i>
1314	<i>Beauveria bassiana</i>	1388	<i>Metarhizium anisopliae</i> sensu lato	1468	<i>Beauveria bassiana</i>
1315	<i>Beauveria bassiana</i>	1389	<i>Beauveria bassiana</i>	1469	<i>Beauveria bassiana</i>
1316	<i>Beauveria bassiana</i>	1390	<i>Entomophaga maimaiga</i>	1470	<i>Beauveria bassiana</i>
1317	<i>Beauveria bassiana</i>	1391	<i>Entomophaga maimaiga</i>	1471	<i>Beauveria bassiana</i>
1318	<i>Beauveria bassiana</i>	1392	<i>Entomophaga maimaiga</i>	1472	<i>Beauveria bassiana</i>
1319	<i>Beauveria bassiana</i>	1393	<i>Entomophaga asiatica</i>	1473	<i>Beauveria bassiana</i>
1320	<i>Beauveria bassiana</i>	1394	<i>Beauveria bassiana</i>	1474	<i>Beauveria bassiana</i>
1321	<i>Beauveria bassiana</i>	1395	<i>Beauveria bassiana</i>	1475	<i>Beauveria bassiana</i>
1322	<i>Beauveria bassiana</i>	1396	<i>Beauveria bassiana</i>	1476	<i>Beauveria bassiana</i>

1477	<i>Conidiobolus</i> sp.	1549	<i>Hirsutella</i> citrififormis	1626	<i>Isaria fumosorosea</i>
1478	<i>Beauveria bassiana</i>	1550	<i>Hirsutella</i> citrififormis	1627	<i>Beauveria bassiana</i>
1479	<i>Beauveria bassiana</i>	1551	<i>Hirsutella</i> sp.	1628	<i>Beauveria bassiana</i>
1480	<i>Beauveria bassiana</i>	1553	<i>Beauveria bassiana</i>	1629	<i>Beauveria bassiana</i>
1483	<i>Beauveria bassiana</i>	1554	<i>Beauveria bassiana</i>	1630	<i>Beauveria bassiana</i>
1484	<i>Beauveria bassiana</i>	1555	<i>Beauveria bassiana</i>	1634	Unidentified sp.
1485	<i>Conidiobolus</i> sp.	1556	<i>Beauveria bassiana</i>	1635	<i>Beauveria bassiana</i>
1486	<i>Conidiobolus</i> sp.	1558	<i>Beauveria bassiana</i>	1636	<i>Beauveria bassiana</i>
1487	<i>Conidiobolus</i> sp.	1559	<i>Beauveria bassiana</i>	1637	<i>Beauveria bassiana</i>
1488	<i>Conidiobolus</i> sp.	1560	<i>Beauveria bassiana</i>	1638	<i>Beauveria bassiana</i>
1489	<i>Metarhizium anisopliae</i> sensu stricto	1561	<i>Beauveria bassiana</i>	1639	<i>Trichothecium roseum</i>
1490	<i>Metarhizium anisopliae</i> sensu lato	1562	<i>Beauveria bassiana</i>	1640	<i>Beauveria bassiana</i>
1491	<i>Beauveria bassiana</i>	1563	<i>Beauveria bassiana</i>	1641	<i>Fusarium</i> sp.
1492	<i>Zoopththora radicans</i>	1564	<i>Beauveria bassiana</i>	1642	<i>Trichothecium roseum</i>
1493	<i>Zoopththora radicans</i>	1565	<i>Beauveria pseudobassiana</i>	1643	<i>Beauveria bassiana</i>
1494	<i>Zoopththora radicans</i>	1566	<i>Beauveria bassiana</i>	1644	<i>Isaria fumosorosea</i>
1495	<i>Zoopththora radicans</i>	1567	<i>Beauveria caledonica</i>	1645	<i>Isaria fumosorosea</i>
1496	<i>Zoopththora radicans</i>	1568	<i>Isaria fumosorosea</i>	1646	<i>Isaria fumosorosea</i>
1497	<i>Zoopththora radicans</i>	1569	<i>Isaria fumosorosea</i>	1647	<i>Beauveria bassiana</i>
1498	<i>Zoopththora radicans</i>	1570	<i>Pandora neoaphidis</i>	1648	<i>Beauveria bassiana</i>
1499	<i>Zoopththora radicans</i>	1572	<i>Conidiobolus coronatus</i>	1649	<i>Beauveria bassiana</i>
1500	<i>Zoopththora radicans</i>	1573	<i>Conidiobolus coronatus</i>	1650	<i>Beauveria bassiana</i>
1501	<i>Zoopththora radicans</i>	1574	<i>Conidiobolus coronatus</i>	1651	<i>Beauveria bassiana</i>
1502	<i>Zoopththora radicans</i>	1575	<i>Conidiobolus coronatus</i>	1652	<i>Beauveria bassiana</i>
1503	<i>Zoopththora radicans</i>	1576	<i>Evlachovaea</i> sp.	1653	<i>Beauveria bassiana</i>
1504	<i>Zoopththora radicans</i>	1577	<i>Isaria fumosorosea</i>	1654	<i>Beauveria bassiana</i>
1505	<i>Lecanicillium lecanii</i>	1578	<i>Isaria fumosorosea</i>	1655	<i>Entomophaga aulicae</i>
1506	<i>Isaria fumosorosea</i>	1579	<i>Isaria fumosorosea</i>	1656	<i>Entomophaga aulicae</i>
1507	<i>Isaria farinosa</i>	1580	<i>Tolypocladium cylindrosporium</i>	1657	<i>Entomophaga aulicae</i>
1508	<i>Isaria farinosa</i>	1581	<i>Zoopththora radicans</i>	1658	<i>Entomophaga maimaiga</i>
1509	<i>Beauveria bassiana</i>	1582	<i>Zoopththora radicans</i>	1659	<i>Entomophaga asiatica</i>
1510	<i>Beauveria bassiana</i>	1583	<i>Zoopththora radicans</i>	1660	<i>Batkoa apiculata</i>
1511	<i>Beauveria bassiana</i>	1584	<i>Zoopththora radicans</i>	1661	<i>Batkoa apiculata</i>
1512	<i>Beauveria bassiana</i>	1585	<i>Zoopththora radicans</i>	1662	<i>Conidiobolus pseudapiculatus</i>
1513	<i>Beauveria bassiana</i>	1586	<i>Zoopththora radicans</i>	1664	<i>Conidiobolus pseudapiculatus</i>
1514	<i>Beauveria bassiana</i>	1587	<i>Zoopththora radicans</i>	1665	<i>Conidiobolus pseudapiculatus</i>
1515	<i>Beauveria bassiana</i>	1588	<i>Zoopththora radicans</i>	1666	<i>Erynia</i> sp.
1516	<i>Beauveria bassiana</i>	1589	<i>Zoopththora radicans</i>	1668	<i>Hirsutella</i> sp.
1517	<i>Beauveria bassiana</i>	1590	<i>Zoopththora radicans</i>	1669	<i>Beauveria</i> sp.
1518	<i>Beauveria bassiana</i>	1591	<i>Zoopththora radicans</i>	1670	<i>Metarhizium rileyi</i>
1519	<i>Beauveria bassiana</i>	1593	<i>Zoopththora radicans</i>	1671	<i>Metarhizium rileyi</i>
1520	<i>Beauveria bassiana</i>	1594	<i>Zoopththora radicans</i>	1672	<i>Conidiobolus</i> sp.
1521	<i>Beauveria bassiana</i>	1595	<i>Zoopththora radicans</i>	1674	<i>Zoopththora radicans</i>
1522	<i>Fusarium</i> sp.	1596	<i>Pandora neoaphidis</i>	1675	<i>Zoopththora radicans</i>
1523	<i>Beauveria bassiana</i>	1597	<i>Pandora neoaphidis</i>	1676	<i>Beauveria amorpha</i>
1524	<i>Beauveria bassiana</i>	1598	<i>Pandora neoaphidis</i>	1677	<i>Beauveria bassiana</i>
1525	<i>Beauveria bassiana</i>	1600	<i>Pandora neoaphidis</i>	1678	<i>Beauveria bassiana</i>
1526	<i>Beauveria bassiana</i>	1601	<i>Pandora neoaphidis</i>	1679	<i>Beauveria bassiana</i>
1527	<i>Beauveria bassiana</i>	1602	<i>Pandora neoaphidis</i>	1680	<i>Beauveria amorpha</i>
1528	<i>Beauveria bassiana</i>	1603	<i>Pandora neoaphidis</i>	1681	<i>Beauveria</i> sp.
1529	<i>Beauveria bassiana</i>	1604	<i>Pandora neoaphidis</i>	1682	<i>Beauveria</i> sp.
1530	<i>Isaria fumosorosea</i>	1605	<i>Pandora neoaphidis</i>	1683	<i>Beauveria bassiana</i>
1531	<i>Beauveria bassiana</i>	1606	<i>Pandora neoaphidis</i>	1684	<i>Isaria andoi</i>
1532	<i>Isaria fumosorosea</i>	1607	<i>Pandora neoaphidis</i>	1685	<i>Beauveria sungii</i>
1533	<i>Beauveria bassiana</i>	1609	<i>Pandora neoaphidis</i>	1686	<i>Isaria flavovirescens</i>
1534	<i>Beauveria bassiana</i>	1610	<i>Pandora neoaphidis</i>	1689	<i>Beauveria bassiana</i>
1535	<i>Beauveria bassiana</i>	1611	<i>Pandora neoaphidis</i>	1690	<i>Beauveria bassiana</i>
1536	<i>Beauveria bassiana</i>	1612	<i>Pandora neoaphidis</i>	1691	<i>Beauveria bassiana</i>
1537	<i>Beauveria bassiana</i>	1613	<i>Pandora neoaphidis</i>	1692	<i>Beauveria bassiana</i>
1538	<i>Beauveria bassiana</i>	1615	<i>Pandora neoaphidis</i>	1693	Unidentified sp.
1539	<i>Beauveria bassiana</i>	1616	<i>Pandora neoaphidis</i>	1694	Unidentified sp.
1540	<i>Beauveria bassiana</i>	1617	<i>Pandora neoaphidis</i>	1695	<i>Pandora neoaphidis</i>
1541	<i>Zoopththora radicans</i>	1618	<i>Pandora neoaphidis</i>	1696	<i>Pandora neoaphidis</i>
1542	<i>Zoopththora radicans</i>	1619	<i>Beauveria bassiana</i>	1699	<i>Zoopththora radicans</i>
1543	<i>Zoopththora radicans</i>	1620	<i>Beauveria bassiana</i>	1703	Unidentified sp.
1544	<i>Zoopththora radicans</i>	1621	<i>Beauveria bassiana</i>	1704	<i>Beauveria bassiana</i>
1545	<i>Metarhizium pingshaense</i>	1622	<i>Beauveria bassiana</i>	1705	<i>Beauveria bassiana</i>
1546	<i>Metarhizium minus</i>	1623	<i>Beauveria bassiana</i>	1706	<i>Beauveria bassiana</i>
1547	<i>Metarhizium minus</i>	1624	<i>Beauveria bassiana</i>	1707	<i>Beauveria bassiana</i>
1548	<i>Metarhizium anisopliae</i> sensu lato	1625	<i>Hirsutella</i> sp.	1708	<i>Beauveria bassiana</i>

1709	<i>Beauveria bassiana</i>	1781	<i>Beauveria bassiana</i>	1852	<i>Beauveria bassiana</i>
1710	<i>Beauveria bassiana</i>	1782	<i>Beauveria bassiana</i>	1853	<i>Beauveria bassiana</i>
1711	<i>Beauveria bassiana</i>	1783	<i>Beauveria bassiana</i>	1854	<i>Beauveria bassiana</i>
1712	<i>Beauveria bassiana</i>	1784	<i>Pandora neoaphidis</i>	1855	<i>Beauveria pseudobassiana</i>
1713	<i>Beauveria bassiana</i>	1785	<i>Pandora neoaphidis</i>	1856	<i>Sorospora uvella</i>
1714	<i>Sorospora uvella</i>	1786	<i>Pandora neoaphidis</i>	1857	<i>Candida</i> sp.
1715	<i>Pandora blunckii</i>	1787	<i>Lecanicillium lecanii</i>	1858	<i>Metarhizium majus</i>
1716	<i>Pandora blunckii</i>	1788	<i>Beauveria bassiana</i>	1859	<i>Metarhizium majus</i>
1717	<i>Pandora blunckii</i>	1789	<i>Beauveria bassiana</i>	1860	<i>Entomophthora chromaphidis</i>
1718	<i>Pandora blunckii</i>	1790	<i>Beauveria bassiana</i>	1862	<i>Entomophthora chromaphidis</i>
1719	<i>Zoopthora radicans</i>	1791	<i>Beauveria bassiana</i>	1863	<i>Entomophthora chromaphidis</i>
1720	<i>Pandora dipterigena</i>	1792	<i>Beauveria bassiana</i>	1864	<i>Beauveria bassiana</i>
1721	<i>Beauveria bassiana</i>	1793	<i>Beauveria bassiana</i>	1865	<i>Beauveria bassiana</i>
1722	<i>Beauveria bassiana</i>	1794	<i>Beauveria bassiana</i>	1866	<i>Beauveria bassiana</i>
1723	<i>Beauveria bassiana</i>	1795	<i>Beauveria bassiana</i>	1867	<i>Isaria fumosorosea</i>
1724	<i>Metarhizium pingshaense</i>	1796	<i>Beauveria bassiana</i>	1868	<i>Isaria fumosorosea</i>
1725	<i>Metarhizium pingshaense</i>	1797	<i>Beauveria bassiana</i>	1870	<i>Erynia sciarae</i>
1726	<i>Metarhizium pingshaense</i>	1798	<i>Beauveria bassiana</i>	1871	<i>Beauveria brongniartii</i>
1727	<i>Metarhizium pingshaense</i>	1799	<i>Beauveria bassiana</i>	1872	<i>Beauveria brongniartii</i>
1728	<i>Metarhizium pingshaense</i>	1800	<i>Beauveria bassiana</i>	1873	<i>Beauveria brongniartii</i>
1729	<i>Metarhizium pingshaense</i>	1801	<i>Beauveria bassiana</i>	1874	<i>Beauveria brongniartii</i>
1730	<i>Pandora delphacis</i>	1802	<i>Beauveria bassiana</i>	1875	<i>Beauveria brongniartii</i>
1731	<i>Pandora delphacis</i>	1803	<i>Beauveria bassiana</i>	1876	<i>Conidiobolus coronatus</i>
1732	<i>Gibellula pulchra</i>	1804	<i>Beauveria bassiana</i>	1877	<i>Candida</i> sp.
1733	<i>Conidiobolus thromboides</i>	1805	<i>Beauveria bassiana</i>	1878	<i>Metarhizium robertsii</i>
1734	<i>Conidiobolus thromboides</i>	1806	<i>Beauveria bassiana</i>	1879	<i>Metarhizium rileyi</i>
1735	<i>Conidiobolus thromboides</i>	1807	<i>Beauveria bassiana</i>	1880	<i>Ophiocordyceps heteropoda</i>
1736	<i>Conidiobolus coronatus</i>	1808	<i>Beauveria bassiana</i>	1881	<i>Entomophaga</i> sp.
1737	<i>Conidiobolus coronatus</i>	1809	<i>Beauveria bassiana</i>	1882	<i>Metarhizium anisopliae sensu lato</i>
1738	<i>Conidiobolus coronatus</i>	1810	<i>Beauveria bassiana</i>	1883	<i>Metarhizium anisopliae sensu stricto</i>
1739	<i>Zoopthora anglica</i>	1811	<i>Beauveria bassiana</i>	1884	<i>Conidiobolus coronatus</i>
1741	<i>Conidiobolus obscurus</i>	1812	<i>Beauveria bassiana</i>	1885	<i>Metarhizium anisopliae sensu lato</i>
1742	<i>Conidiobolus nr. coronatus</i>	1813	<i>Beauveria bassiana</i>	1886	<i>Beauveria</i> sp.
1743	<i>Conidiobolus nr. coronatus</i>	1814	<i>Beauveria bassiana</i>	1887	<i>Pandora dipterigena</i>
1744	<i>Metarhizium pingshaense</i>	1815	<i>Beauveria bassiana</i>	1888	<i>Entomophaga australiensis</i>
1745	<i>Metarhizium anisopliae sensu lato</i>	1816	<i>Beauveria bassiana</i>	1889	<i>Beauveria bassiana</i>
1746	<i>Entomophaga maimaiga</i>	1817	<i>Beauveria bassiana</i>	1890	<i>Metarhizium anisopliae sensu lato</i>
1747	<i>Beauveria bassiana</i>	1818	<i>Beauveria bassiana</i>	1891	<i>Metarhizium anisopliae sensu lato</i>
1748	<i>Beauveria bassiana</i>	1819	<i>Beauveria bassiana</i>	1892	<i>Metarhizium anisopliae sensu lato</i>
1749	<i>Beauveria bassiana</i>	1820	<i>Beauveria bassiana</i>	1893	<i>Metarhizium rileyi</i>
1750	<i>Beauveria bassiana</i>	1821	<i>Beauveria bassiana</i>	1894	<i>Metarhizium anisopliae sensu stricto</i>
1751	<i>Entomophaga aulicae</i>	1822	<i>Beauveria bassiana</i>	1895	<i>Metarhizium anisopliae sensu lato</i>
1752	<i>Erynia conica</i>	1823	<i>Metarhizium pingshaense</i>	1896	<i>Metarhizium anisopliae sensu lato</i>
1753	<i>Erynia conica</i>	1824	<i>Pandora neoaphidis</i>	1897	<i>Metarhizium robertsii</i>
1754	<i>Erynia curvispora</i>	1825	<i>Pandora neoaphidis</i>	1898	<i>Metarhizium rileyi</i>
1756	<i>Metarhizium rileyi</i>	1826	<i>Pandora neoaphidis</i>	1899	<i>Metarhizium anisopliae sensu lato</i>
1757	<i>Metarhizium rileyi</i>	1827	<i>Pandora neoaphidis</i>	1900	<i>Metarhizium anisopliae sensu stricto</i>
1758	<i>Metarhizium rileyi</i>	1828	<i>Fusarium</i> sp.	1901	<i>Metarhizium anisopliae sensu lato</i>
1759	<i>Metarhizium rileyi</i>	1829	<i>Beauveria brongniartii</i>	1902	<i>Metarhizium anisopliae sensu lato</i>
1760	<i>Metarhizium rileyi</i>	1830	<i>Beauveria brongniartii</i>	1903	<i>Metarhizium anisopliae sensu lato</i>
1761	<i>Metarhizium rileyi</i>	1831	<i>Beauveria bassiana</i>	1904	<i>Nomuraea atypicola</i>
1762	<i>Metarhizium rileyi</i>	1832	<i>Beauveria bassiana</i>	1905	<i>Lecanicillium lecanii</i>
1763	<i>Metarhizium minus</i>	1833	<i>Beauveria bassiana</i>	1907	<i>Calcarisporium ovalisporum</i>
1764	<i>Metarhizium minus</i>	1834	<i>Beauveria bassiana</i>	1908	<i>Sporothrix</i> sp.
1765	<i>Metarhizium minus</i>	1835	<i>Beauveria</i> sp.	1909	<i>Gibellula clavulifera</i> var. <i>alba</i>
1766	<i>Metarhizium minus</i>	1836	<i>Beauveria bassiana</i>	1910	<i>Metarhizium robertsii</i>
1767	<i>Metarhizium minus</i>	1837	<i>Hirsutella citrififormis</i>	1911	<i>Metarhizium anisopliae sensu lato</i>
1768	<i>Metarhizium minus</i>	1838	<i>Beauveria bassiana</i>	1912	<i>Metarhizium anisopliae sensu stricto</i>
1769	<i>Metarhizium minus</i>	1839	<i>Beauveria bassiana</i>	1913	<i>Hirsutella citrififormis</i>
1770	<i>Metarhizium minus</i>	1840	<i>Metarhizium album</i>	1914	<i>Metarhizium majus</i>
1771	<i>Metarhizium minus</i>	1841	<i>Zoopthora radicans</i>	1915	<i>Torrubiella ratticaudata</i>
1772	<i>Metarhizium minus</i>	1842	<i>Beauveria bassiana</i>	1916	<i>Torrubiella ratticaudata</i>
1773	<i>Metarhizium minus</i>	1843	<i>Beauveria bassiana</i>	1917	<i>Hirsutella citrififormis</i>
1774	<i>Lecanicillium muscarium</i>	1844	<i>Beauveria bassiana</i>	1918	<i>Hirsutella citrififormis</i>
1775	<i>Beauveria bassiana</i>	1845	<i>Beauveria bassiana</i>	1919	<i>Hirsutella citrififormis</i>
1776	<i>Beauveria bassiana</i>	1846	<i>Beauveria bassiana</i>	1920	<i>Entomophaga australiensis</i>
1777	<i>Beauveria bassiana</i>	1848	<i>Beauveria bassiana</i>	1921	<i>Pandora dipterigena</i>
1778	<i>Beauveria bassiana</i>	1849	<i>Beauveria bassiana</i>	1922	Unidentified sp.
1779	<i>Beauveria bassiana</i>	1850	<i>Beauveria bassiana</i>	1923	<i>Pandora dipterigena</i>
1780	<i>Beauveria bassiana</i>	1851	<i>Isaria farinosa</i>	1924	<i>Candida</i> sp.

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1925	<i>Candida</i> sp.	2002	<i>Hymenostilbe verrucosa</i>	2077	<i>Metarhizium anisopliae</i> sensu lato
1926	<i>Candida</i> sp.	2003	<i>Lagenidium caudatum</i>	2078	<i>Purpureocillium lilacinum</i>
1928	<i>Zoopthora radicans</i>	2004	<i>Leptolegnia</i> sp.	2079	<i>Beauveria bassiana</i>
1929	<i>Zoopthora radicans</i>	2005	<i>Aphanomyces</i> sp.	2080	<i>Metarhizium anisopliae</i> sensu stricto
1930	<i>Zoopthora radicans</i>	2006	<i>Hirsutella rhossiliensis</i>	2081	<i>Metarhizium album</i>
1931	<i>Zoopthora radicans</i>	2007	<i>Hirsutella rhossiliensis</i>	2082	<i>Metarhizium album</i>
1932	<i>Zoopthora radicans</i>	2008	<i>Hirsutella rhossiliensis</i>	2085	<i>Pandora neoaphidis</i>
1933	<i>Zoopthora radicans</i>	2009	<i>Lecanicillium</i> sp.	2086	<i>Pandora neoaphidis</i>
1934	<i>Zoopthora radicans</i>	2010	<i>Beauveria bassiana</i>	2087	<i>Entomophthora muscae</i>
1935	<i>Zoopthora radicans</i>	2011	<i>Beauveria bassiana</i>	2088	<i>Entomophthora muscae</i>
1936	<i>Pandora delphacis</i>	2012	<i>Hirsutella thompsonii</i>	2089	<i>Entomophthora muscae</i>
1937	<i>Zoopthora radicans</i>	2013	<i>Metarhizium rileyi</i>	2091	<i>Pandora delphacis</i>
1938	<i>Zoopthora radicans</i>	2014	<i>Entomophthora muscae</i>	2092	<i>Pandora delphacis</i>
1939	<i>Isaria farinosa</i>	2015	<i>Catenaria anguillulae</i>	2093	<i>Pandora delphacis</i>
1940	<i>Crypticola clavulifera</i>	2016	<i>Pandora neoaphidis</i>	2094	<i>Pandora delphacis</i>
1941	<i>Metarhizium album</i>	2017	<i>Pandora neoaphidis</i>	2095	<i>Pandora delphacis</i>
1942	<i>Metarhizium album</i>	2018	<i>Pandora neoaphidis</i>	2096	<i>Pandora delphacis</i>
1943	<i>Metarhizium album</i>	2019	<i>Pandora neoaphidis</i>	2097	<i>Erynia</i> sp.
1945	<i>Metarhizium minus</i>	2020	<i>Pandora neoaphidis</i>	2098	<i>Fusarium coccophilum</i>
1946	<i>Metarhizium majus</i>	2022	Unidentified / <i>Zygomycetes</i>	2099	<i>Hirsutella citriformis</i>
1947	<i>Hirsutella thompsonii</i>	2023	<i>Metarhizium minus</i>	2100	<i>Hirsutella citriformis</i>
1948	<i>Culicinomyces bisporalis</i>	2024	<i>Metarhizium flavoviride</i>	2101	<i>Hirsutella citriformis</i>
1949	<i>Culicinomyces bisporalis</i>	2025	<i>Metarhizium flavoviride</i>	2102	<i>Hirsutella citriformis</i>
1950	<i>Metarhizium rileyi</i>	2026	<i>Metarhizium flavoviride</i>	2103	<i>Hirsutella citriformis</i>
1951	<i>Purpureocillium lilacinum</i>	2027	<i>Erynia</i> sp.	2105	<i>Metarhizium anisopliae</i> sensu lato
1952	<i>Metarhizium robertsii</i>	2028	<i>Pandora delphacis</i>	2106	<i>Metarhizium pingshaense</i>
1953	<i>Beauveria bassiana</i>	2030	<i>Beauveria bassiana</i>	2107	<i>Metarhizium brunneum</i>
1954	<i>Beauveria bassiana</i>	2031	<i>Beauveria bassiana</i>	2108	<i>Pandora neoaphidis</i>
1955	<i>Beauveria bassiana</i>	2032	<i>Beauveria bassiana</i>	2109	<i>Pandora neoaphidis</i>
1956	<i>Beauveria bassiana</i>	2033	<i>Beauveria bassiana</i>	2110	<i>Pandora neoaphidis</i>
1957	<i>Isaria farinosa</i>	2034	<i>Beauveria bassiana</i>	2112	<i>Pandora neoaphidis</i>
1958	<i>Metarhizium anisopliae</i> sensu lato	2035	<i>Calcarisporium ovalisporum</i>	2114	<i>Pandora neoaphidis</i>
1959	<i>Beauveria bassiana</i>	2036	<i>Calcarisporium ovalisporum</i>	2115	<i>Pandora neoaphidis</i>
1960	<i>Beauveria bassiana</i>	2037	<i>Metarhizium minus</i>	2116	<i>Pandora neoaphidis</i>
1961	<i>Beauveria bassiana</i>	2038	<i>Metarhizium koreanum</i>	2117	<i>Pandora neoaphidis</i>
1962	<i>Beauveria bassiana</i>	2039	<i>Metarhizium koreanum</i>	2118	<i>Pandora neoaphidis</i>
1964	<i>Acremonium roseum</i>	2040	<i>Beauveria bassiana</i>	2119	<i>Pandora neoaphidis</i>
1966	<i>Beauveria bassiana</i>	2041	<i>Beauveria bassiana</i>	2120	<i>Pandora neoaphidis</i>
1967	<i>Conidiobolus</i> sp.	2042	<i>Metarhizium brunneum</i>	2121	<i>Pandora neoaphidis</i>
1968	<i>Metarhizium robertsii</i>	2043	<i>Metarhizium pingshaense</i>	2122	<i>Pandora neoaphidis</i>
1969	<i>Beauveria amorpha</i>	2044	<i>Hirsutella strigosa</i>	2123	<i>Pandora neoaphidis</i>
1970	<i>Metarhizium anisopliae</i> sensu lato	2045	<i>Torrubiella homopterorum</i>	2124	<i>Pandora neoaphidis</i>
1971	<i>Beauveria bassiana</i>	2046	<i>Pandora delphacis</i>	2128	<i>Pandora neoaphidis</i>
1972	<i>Metarhizium rileyi</i>	2047	<i>Pandora delphacis</i>	2130	<i>Conidiobolus</i> sp.
1973	<i>Beauveria bassiana</i>	2048	<i>Basidiobolus</i> sp.	2131	<i>Isaria farinosa</i>
1974	<i>Beauveria bassiana</i>	2049	<i>Basidiobolus</i> sp.	2132	
1975	<i>Beauveria bassiana</i>	2050	<i>Basidiobolus</i> sp.	2133	<i>Metarhizium flavoviride</i>
1976	<i>Beauveria bassiana</i>	2051	<i>Basidiobolus</i> sp.	2134	<i>Metarhizium robertsii</i>
1977	<i>Beauveria bassiana</i>	2052	<i>Basidiobolus</i> sp.	2135	<i>Metarhizium anisopliae</i> sensu lato
1978	<i>Beauveria bassiana</i>	2053	<i>Fusarium concentricum</i>	2136	<i>Metarhizium anisopliae</i> sensu lato
1979	<i>Beauveria bassiana</i>	2054	<i>Beauveria bassiana</i>	2137	<i>Metarhizium anisopliae</i> sensu lato
1980	<i>Beauveria bassiana</i>	2055	<i>Trichothecium roseum</i>	2138	<i>Metarhizium anisopliae</i> sensu lato
1981	<i>Pandora neoaphidis</i>	2056	<i>Penicillium thomii</i>	2139	<i>Metarhizium anisopliae</i> sensu lato
1982	<i>Beauveria bassiana</i>	2057	<i>Isaria farinosa</i>	2140	<i>Metarhizium guizhouense</i>
1984	<i>Beauveria bassiana</i>	2059	<i>Fusarium merismoides</i>	2141	<i>Fusarium sacchari</i>
1985	<i>Pandora neoaphidis</i>	2060	<i>Fusarium avenaceum</i>	2142	<i>Fusarium sacchari</i>
1986	<i>Pandora neoaphidis</i>	2061	<i>Mortierella hyalina</i>	2143	<i>Fusarium sacchari</i>
1987	<i>Pandora neoaphidis</i>	2063	<i>Mortierella histoplasmatoides</i>	2144	<i>Fusarium subglutinans</i>
1988	<i>Beauveria bassiana</i>	2064	<i>Pochonia suchlasporia</i> var. <i>catenata</i>	2145	<i>Fusarium sacchari</i>
1989	<i>Metarhizium anisopliae</i> sensu lato	2065	<i>Lecanicillium muscarium</i>	2146	
1990	<i>Entomophaga aulicae</i>	2066	<i>Lecanicillium muscarium</i>	2147	<i>Conidiobolus</i> sp.
1991	<i>Entomophaga aulicae</i>	2067	<i>Acremonium berkeleyanum</i>	2148	<i>Conidiobolus</i> sp.
1992	<i>Entomophaga aulicae</i>	2069	<i>Humicola</i> sp.	2149	<i>Lecanicillium lecanii</i>
1993	<i>Entomophaga aulicae</i>	2070	<i>Acrodontium crateriforme</i>	2150	<i>Lecanicillium lecanii</i>
1994	<i>Entomophaga aulicae</i>	2071	<i>Phoma cava</i>	2151	<i>Metarhizium majus</i>
1995	<i>Entomophaga aulicae</i>	2072	<i>Phialophora malorum</i>	2152	<i>Isaria guaeensis</i>
1997	<i>Entomophaga aulicae</i>	2073	Sterile mycelium	2153	<i>Metarhizium anisopliae</i> sensu stricto
1998	<i>Entomophaga aulicae</i>	2074	<i>Fusarium proliferatum</i>	2154	<i>Aschersonia aleyrodis</i>
1999	<i>Entomophaga aulicae</i>	2075	<i>Beauveria bassiana</i>	2155	<i>Purpureocillium lilacinum</i>
2000	<i>Entomophaga aulicae</i>	2076	<i>Metarhizium anisopliae</i> sensu lato	2156	<i>Metarhizium anisopliae</i> sensu lato

2157	<i>Aspergillus flavus</i>	2237	<i>Schizangiella</i> sp.	2323	<i>Lecanicillium muscarium</i>
2158	<i>Aspergillus flavus</i>	2239	<i>Schizangiella</i> sp.	2324	<i>Lecanicillium aphanocladii</i>
2159	<i>Aspergillus flavus</i>	2241	<i>Zoophthora radicans</i>	2325	<i>Lecanicillium muscarium</i>
2160	<i>Trichoderma</i> sp.	2242	<i>Zoophthora radicans</i>	2326	<i>Lecanicillium muscarium</i>
2161	<i>Trichoderma</i> sp.	2243	<i>Zoophthora radicans</i>	2327	<i>Scopulariopsis</i> sp.
2162	<i>Metarhizium pingshaense</i>	2244	<i>Zoophthora radicans</i>	2328	<i>Scopulariopsis</i> sp.
2163	<i>Metarhizium anisopliae</i> sensu lato	2245	<i>Zoophthora radicans</i>	2329	<i>Lecanicillium muscarium</i>
2164	<i>Beauveria</i> sp.	2246	<i>Zoophthora radicans</i>	2330	<i>Beauveria bassiana</i>
2165	<i>Metarhizium anisopliae</i> sensu lato	2247	<i>Isaria fumosorosea</i>	2332	<i>Lecanicillium psalliotae</i>
2166	<i>Metarhizium anisopliae</i> sensu lato	2248	<i>Beauveria bassiana</i>	2333	<i>Fusarium</i> sp.
2167	<i>Metarhizium anisopliae</i> sensu lato	2249	<i>Beauveria bassiana</i>	2334	<i>Lecanicillium muscarium</i>
2169	<i>Scopulariopsis</i> sp.	2250	<i>Beauveria bassiana</i>	2336	<i>Beauveria bassiana</i>
2170	<i>Lasiodiplodia theobromae</i>	2251	<i>Beauveria caledonica</i>	2337	<i>Fusarium proliferatum</i>
2173	<i>Aspergillus parasiticus</i>	2252	<i>Fusarium verticillioides</i>	2338	<i>Conidiobolus lamprauges</i>
2174	<i>Metarhizium rileyi</i>	2253	<i>Beauveria bassiana</i>	2339	<i>Metarhizium minus</i>
2175	<i>Isaria fumosorosea</i>	2254	<i>Beauveria bassiana</i>	2341	<i>Metarhizium anisopliae</i> sensu lato
2176	<i>Metarhizium album</i>	2255	<i>Scopulariopsis</i> sp.	2342	<i>Metarhizium anisopliae</i> sensu lato
2177	Unidentified / <i>Hyphomycetes</i>	2256	<i>Zoophthora radicans</i>	2343	<i>Metarhizium anisopliae</i> sensu lato
2178	<i>Metarhizium album</i>	2257	<i>Zoophthora radicans</i>	2344	<i>Isaria farinosa</i>
2179	<i>Metarhizium album</i>	2258	<i>Zoophthora radicans</i>	2345	<i>Metarhizium rileyi</i>
2181	<i>Purpureocillium lilacinum</i>	2259	<i>Zoophthora radicans</i>	2346	<i>Hirsutella citrififormis</i>
2182	<i>Purpureocillium lilacinum</i>	2260	<i>Zoophthora radicans</i>	2347	<i>Hirsutella citrififormis</i>
2183	<i>Purpureocillium lilacinum</i>	2261	<i>Zoophthora radicans</i>	2348	<i>Hirsutella repens</i>
2184	<i>Purpureocillium lilacinum</i>	2262	<i>Zoophthora radicans</i>	2350	<i>Paecilomyces</i> sp.
2185	<i>Purpureocillium lilacinum</i>	2263	<i>Entomophthora muscae</i>	2351	<i>Aschersonia</i> sp.
2186	<i>Purpureocillium lilacinum</i>	2264	<i>Entomophthora muscae</i>	2352	<i>Hirsutella guyana</i>
2187	<i>Hirsutella bogoriensis</i>	2265	<i>Entomophthora muscae</i>	2353	<i>Metarhizium</i> sp.
2188	<i>Zoophthora phytonomi</i>	2266	<i>Entomophthora muscae</i>	2354	<i>Paecilomyces</i> sp.
2191	<i>Beauveria bassiana</i>	2267	<i>Beauveria bassiana</i>	2355	<i>Isaria farinosa</i>
2192	<i>Furia americana</i>	2268	<i>Aschersonia aleyrodis</i>	2356	<i>Aschersonia insperata</i>
2193	<i>Conidiobolus</i> sp.	2269	<i>Isaria farinosa</i>	2357	<i>Aschersonia</i> sp.
2194	<i>Furia americana</i>	2270	<i>Beauveria bassiana</i>	2358	<i>Aschersonia</i> sp.
2196	<i>Zoophthora radicans</i>	2271	<i>Beauveria brongniartii</i>	2359	<i>Hirsutella repens</i>
2197	<i>Hirsutella strigosa</i>	2273	<i>Entomophaga conglomerata</i>	2360	<i>Beauveria bassiana</i>
2198	<i>Isaria fumosorosea</i>	2274	<i>Erynia conica</i>	2362	<i>Entomophaga aulicae</i>
2201	<i>Metarhizium rileyi</i>	2275	<i>Erynia conica</i>	2363	<i>Entomophaga aulicae</i>
2202	<i>Metarhizium rileyi</i>	2276	<i>Erynia rhizospora</i>	2365	<i>Entomophaga aulicae</i>
2203	<i>Metarhizium rileyi</i>	2279	<i>Erynia</i> sp.	2366	<i>Entomophaga aulicae</i>
2204	<i>Metarhizium rileyi</i>	2280	<i>Pandora neoaphidis</i>	2367	<i>Entomophaga aulicae</i>
2205	<i>Metarhizium rileyi</i>	2281	<i>Zoophthora phalloides</i>	2368	<i>Entomophaga aulicae</i>
2206	<i>Metarhizium rileyi</i>	2282	<i>Zoophthora radicans</i>	2369	<i>Entomophaga aulicae</i>
2207	<i>Metarhizium rileyi</i>	2283	<i>Zoophthora radicans</i>	2370	<i>Entomophaga maimaiga</i>
2208	<i>Hirsutella</i> sp.	2284	<i>Zoophthora radicans</i>	2371	<i>Entomophaga maimaiga</i>
2209	<i>Hirsutella</i> sp.	2285	<i>Zoophthora radicans</i>	2372	<i>Entomophaga aulicae</i>
2210	<i>Metarhizium brunneum</i>	2286	<i>Zoophthora radicans</i>	2373	<i>Entomophaga aulicae</i>
2211	<i>Metarhizium anisopliae</i> sensu lato	2287	<i>Zoophthora radicans</i>	2374	<i>Entomophaga aulicae</i>
2212	<i>Metarhizium anisopliae</i> sensu lato	2288	<i>Zoophthora radicans</i>	2376	<i>Isaria farinosa</i>
2213	<i>Metarhizium anisopliae</i> sensu lato	2289	<i>Zoophthora radicans</i>	2378	<i>Paecilomyces</i> sp.
2214	<i>Metarhizium anisopliae</i> sensu lato	2292	<i>Erynia</i> sp.	2387	<i>Hirsutella guyana</i>
2215	<i>Purpureocillium lilacinum</i>	2293	<i>Pandora neoaphidis</i>	2394	<i>Hirsutella repens</i>
2216	<i>Isaria fumosorosea</i>	2294	<i>Erynia</i> sp.	2395	<i>Metarhizium rileyi</i>
2217	<i>Isaria fumosorosea</i>	2297	<i>Evlachovaea</i> sp.	2396	<i>Aschersonia insperata</i>
2218	<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i>	2298	<i>Pandora neoaphidis</i>	2397	<i>Aschersonia</i> sp.
2219	<i>Isaria fumosorosea</i>	2299	<i>Fusarium semitectum</i>	2398	<i>Aschersonia</i> sp.
2220	<i>Isaria amoenerosea</i>	2300	<i>Fusarium semitectum</i>	2399	<i>Verticillium cinnamomeum</i>
2221	<i>Isaria fumosorosea</i>	2301	<i>Fusarium pseudocircinatum</i>	2400	<i>Zoophthora radicans</i>
2223	<i>Metarhizium anisopliae</i> sensu stricto	2303	<i>Fusarium</i> sp.	2401	<i>Beauveria bassiana</i>
2224	<i>Metarhizium brunneum</i>	2304	<i>Fusarium lateritium</i>	2402	<i>Beauveria bassiana</i>
2225	Unidentified / <i>Hyphomycetes</i>	2311	<i>Fusarium oxysporum</i>	2403	<i>Beauveria bassiana</i>
2226	<i>Hirsutella haptospora</i>	2312	<i>Fusarium solani</i>	2404	<i>Beauveria bassiana</i>
2227	<i>Hirsutella subulata</i>	2313	<i>Fusarium solani</i>	2405	<i>Erynia conica</i>
2228	<i>Hirsutella</i> nr. <i>haptospora</i>	2314	<i>Fusarium solani</i>	2406	<i>Pandora dipterigena</i>
2230	<i>Metarhizium anisopliae</i> sensu lato	2315	<i>Syncephalastrum racemosum</i>	2407	<i>Erynia rhizospora</i>
2231	<i>Metarhizium pingshaense</i>	2316	<i>Fusarium nygamai</i>	2409	<i>Pandora delphacis</i>
2232	<i>Fusarium</i> sp.	2317	<i>Entomophthora muscae</i>	2410	<i>Zoophthora radicans</i>
2233	<i>Purpureocillium lilacinum</i>	2318	<i>Beauveria bassiana</i>	2411	<i>Zoophthora radicans</i>
2234	<i>Lecanicillium psalliotae</i>	2319	<i>Beauveria bassiana</i>	2412	<i>Beauveria</i> sp.
2235	<i>Lecanicillium psalliotae</i>	2320	<i>Beauveria bassiana</i>	2413	<i>Metarhizium rileyi</i>
2236	<i>Beauveria bassiana</i>	2321	<i>Beauveria bassiana</i>	2414	<i>Fusarium</i> sp.
		2322	<i>Beauveria bassiana</i>	2415	<i>Tilachlidium</i> sp.

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2416	<i>Cordyceps militaris</i>	2512	<i>Beauveria bassiana</i>	2591	<i>Pandora neoaphidis</i>
2417	<i>Beauveria bassiana</i>	2513	<i>Metarhizium anisopliae</i> sensu lato	2592	<i>Pandora neoaphidis</i>
2418	<i>Fusarium sacchari</i>	2514	<i>Metarhizium robertsii</i>	2593	<i>Pandora neoaphidis</i>
2420	<i>Hirsutella citriformis</i>	2515	<i>Beauveria bassiana</i>	2594	<i>Pandora neoaphidis</i>
2421	<i>Metarhizium anisopliae</i> sensu stricto	2516	<i>Beauveria bassiana</i>	2595	<i>Fusarium brachygibbosum</i>
2422	<i>Hirsutella citriformis</i>	2517	<i>Metarhizium anisopliae</i> sensu stricto	2596	<i>Metarhizium globosum</i>
2423	<i>Hirsutella citriformis</i>	2518	<i>Metarhizium anisopliae</i> sensu stricto	2597	<i>Beauveria bassiana</i>
2424	<i>Metarhizium anisopliae</i> sensu lato	2519	<i>Beauveria bassiana</i>	2598	<i>Hirsutella citriformis</i>
2425	<i>Isaria fumosorosea</i>	2520	<i>Beauveria bassiana</i>	2599	<i>Hirsutella verticillioides</i>
2426	<i>Hirsutella citriformis</i>	2521	<i>Metarhizium anisopliae</i> sensu lato	2600	<i>Zoopthora radicans</i>
2427	<i>Beauveria bassiana</i>	2522	<i>Entomophaga calopteni</i>	2601	<i>Zoopthora radicans</i>
2428	<i>Hirsutella citriformis</i>	2523	<i>Zoopthora radicans</i>	2613	<i>Evlachovaea</i> sp.
2430	<i>Beauveria bassiana</i>	2525	<i>Erynia</i> sp.	2614	<i>Evlachovaea</i> sp.
2452	<i>Coemansia</i> sp.	2526	<i>Culicinomyces clavisporus</i>	2615	<i>Evlachovaea</i> sp.
2454	<i>Beauveria bassiana</i>	2527	<i>Culicinomyces clavisporus</i>	2616	<i>Paecilomyces</i> sp.
2455	<i>Beauveria pseudobassiana</i>	2528	Unidentified sp.	2617	<i>Paecilomyces</i> sp.
2456	<i>Metarhizium viride</i>	2529	<i>Lagenidium giganteum</i>	2618	<i>Paecilomyces</i> sp.
2457	<i>Beauveria bassiana</i>	2530	<i>Lagenidium giganteum</i>	2619	<i>Beauveria bassiana</i>
2458	<i>Beauveria bassiana</i>	2531	<i>Lagenidium giganteum</i>	2620	<i>Evlachovaea</i> sp.
2459	<i>Hirsutella thompsonii</i>	2532	<i>Lagenidium giganteum</i>	2621	<i>Beauveria bassiana</i>
2460	<i>Lecanicillium longisporum</i>	2535	<i>Eryniopsis ptychopterae</i>	2622	<i>Culicinomyces clavisporus</i>
2461	<i>Beauveria bassiana</i>	2536	<i>Erynia</i> sp.	2624	<i>Beauveria bassiana</i>
2462	<i>Beauveria bassiana</i>	2537	<i>Erynia</i> sp.	2625	<i>Beauveria bassiana</i>
2463	<i>Beauveria bassiana</i>	2538	<i>Erynia</i> sp.	2626	<i>Beauveria bassiana</i>
2464	<i>Hirsutella thompsonii</i>	2539	<i>Erynia</i> sp.	2627	<i>Metarhizium anisopliae</i> sensu stricto
2465	<i>Metarhizium rileyi</i>	2540	<i>Entomophthora schizophorae</i>	2628	<i>Metarhizium anisopliae</i> sensu lato
2466	<i>Metarhizium rileyi</i>	2541	<i>Entomophthora schizophorae</i>	2629	<i>Beauveria bassiana</i>
2467	<i>Nomuraea anemonoides</i>	2542	<i>Entomophthora muscae</i>	2630	<i>Beauveria bassiana</i>
2468	<i>Drechmeria coniospora</i>	2544	<i>Beauveria bassiana</i>	2631	<i>Beauveria bassiana</i>
2469	<i>Metarhizium robertsii</i>	2545	<i>Evlachovaea</i> sp.	2632	<i>Beauveria bassiana</i>
2471	<i>Culicinomyces clavisporus</i>	2546	<i>Isaria farinosa</i>	2633	<i>Beauveria bassiana</i>
2472	<i>Culicinomyces clavisporus</i>	2547	<i>Metarhizium robertsii</i>	2634	<i>Metarhizium anisopliae</i> sensu lato
2473	<i>Culicinomyces clavisporus</i>	2548	<i>Metarhizium anisopliae</i> sensu lato	2635	<i>Metarhizium anisopliae</i> sensu lato
2474	<i>Culicinomyces clavisporus</i>	2549	<i>Zoopthora radicans</i>	2636	<i>Beauveria bassiana</i>
2475	<i>Culicinomyces clavisporus</i>	2550	<i>Zoopthora radicans</i>	2637	<i>Beauveria bassiana</i>
2476	<i>Culicinomyces clavisporus</i>	2551	<i>Zoopthora radicans</i>	2638	<i>Beauveria bassiana</i>
2477	<i>Culicinomyces clavisporus</i>	2552	<i>Zoopthora radicans</i>	2639	<i>Beauveria bassiana</i>
2478	<i>Culicinomyces clavisporus</i>	2553	<i>Erynia</i> sp.	2640	Unidentified sp.
2479	<i>Culicinomyces clavisporus</i>	2554	<i>Zoopthora radicans</i>	2641	<i>Beauveria amorpha</i>
2480	<i>Culicinomyces clavisporus</i>	2555	<i>Beauveria bassiana</i>	2642	<i>Beauveria bassiana</i>
2481	<i>Culicinomyces clavisporus</i>	2556	<i>Isaria farinosa</i>	2643	<i>Penicillium</i> sp.
2482	<i>Culicinomyces clavisporus</i>	2557	<i>Beauveria pseudobassiana</i>	2644	<i>Hirsutella</i> sp.
2483	<i>Haptocillium balanoides</i>	2558	<i>Zoopthora radicans</i>	2645	<i>Hirsutella</i> sp.
2484	<i>Beauveria bassiana</i>	2559	<i>Beauveria bassiana</i>	2646	<i>Hirsutella</i> sp.
2485	<i>Beauveria bassiana</i>	2560	<i>Metarhizium robertsii</i>	2647	<i>Hirsutella</i> sp.
2486	<i>Beauveria bassiana</i>	2561	<i>Metarhizium robertsii</i>	2648	<i>Hirsutella</i> sp.
2487	<i>Beauveria bassiana</i>	2562	<i>Leptoglenia chapmanii</i>	2649	<i>Hirsutella</i> sp.
2488	<i>Isaria tenuipes</i>	2563	Unidentified sp.	2650	<i>Hirsutella</i> sp.
2489	<i>Isaria tenuipes</i>	2564	<i>Isaria farinosa</i>	2651	<i>Hirsutella</i> sp.
2490	<i>Isaria tenuipes</i>	2567	<i>Beauveria caledonica</i>	2652	<i>Hirsutella</i> sp.
2491	<i>Isaria tenuipes</i>	2568	<i>Fusarium proliferatum</i>	2653	<i>Hirsutella</i> sp.
2492	<i>Metarhizium rileyi</i>	2569	<i>Fusarium proliferatum</i>	2654	<i>Hirsutella</i> sp.
2493	<i>Conidiobolus pseudapiculatus</i>	2570	<i>Beauveria bassiana</i>	2655	<i>Hirsutella</i> sp.
2494	<i>Conidiobolus</i> sp.	2571	<i>Beauveria bassiana</i>	2656	<i>Hirsutella</i> sp.
2495	<i>Erynia</i> sp.	2572	<i>Beauveria bassiana</i>	2657	<i>Hirsutella</i> sp.
2496	<i>Conidiobolus pseudapiculatus</i>	2573	<i>Beauveria bassiana</i>	2658	<i>Isaria fumosorosea</i>
2497	<i>Conidiobolus pseudapiculatus</i>	2574	<i>Metarhizium anisopliae</i> sensu lato	2659	<i>Lecanicillium muscarium</i>
2498	<i>Conidiobolus</i> sp.	2575	<i>Metarhizium robertsii</i>	2660	<i>Beauveria brongniartii</i>
2499	<i>Zoopthora radicans</i>	2576	<i>Isaria farinosa</i>	2661	<i>Entomophaga maimaiga</i>
2500	<i>Zoopthora radicans</i>	2577	<i>Isaria farinosa</i>	2663	<i>Erynia</i> sp.
2501	<i>Zoopthora radicans</i>	2578	<i>Isaria farinosa</i>	2664	<i>Erynia</i> sp.
2502	<i>Conidiobolus pseudapiculatus</i>	2579	<i>Beauveria bassiana</i>	2665	<i>Entomophthora muscae</i>
2503	<i>Zoopthora radicans</i>	2580	<i>Beauveria bassiana</i>	2666	<i>Zoopthora radicans</i>
2504	<i>Batkoa apiculata</i>	2581	<i>Hirsutella</i> sp.	2667	<i>Entomophthora schizophorae</i>
2505	<i>Zoopthora anglica</i>	2583	<i>Pandora neoaphidis</i>	2668	<i>Entomophthora muscae</i>
2506	<i>Zoopthora radicans</i>	2584	<i>Pandora neoaphidis</i>	2670	<i>Entomophthora muscae</i>
2507	<i>Erynia</i> sp.	2585	<i>Pandora neoaphidis</i>	2671	<i>Eryniopsis ptychopterae</i>
2509	<i>Beauveria bassiana</i>	2587	<i>Pandora neoaphidis</i>	2672	<i>Conidiobolus</i> sp.
2510	<i>Metarhizium anisopliae</i> sensu lato	2588	<i>Pandora neoaphidis</i>	2673	<i>Entomophthora muscae</i>
2511	<i>Beauveria bassiana</i>	2589	<i>Pandora neoaphidis</i>	2674	<i>Entomophthora muscae</i>

2675 Entomophthora muscae	2745 Isaria fumosorosea	2821 Unidentified sp.
2676 Beauveria bassiana	2746 Unidentified sp.	2822 Isaria farinosa
2677 Neozygites tetranychii	2747 Penicillium sp.	2824 Pandora blunckii
2678 Entomophthora muscae	2748 Beauveria bassiana	2828 Conidiobolus thromboides
2679 Isaria fumosorosea	2749 Isaria fumosorosea	2829 Conidiobolus thromboides
2680 Leptolegnia chapmanii	2751 Beniowskia sp.	2831 Beauveria bassiana
2681 Leptolegnia chapmanii	2752 Geotrichum sp.	2832 Lecanicillium sp. 2(?)
2682 Leptolegnia chapmanii	2754 Pandora neoaphidis	2833 Aspergillus ochraceus
2683 Ascosphaera apis	2755 Pandora neoaphidis	2834 Penicillium sp.
2684 Tolypocladium geodes	2756 Pandora neoaphidis	2835 Isaria farinosa
2685 Beauveria bassiana	2757 Pandora neoaphidis	2836 Penicillium sp.
2686 Beauveria bassiana	2758 Pandora neoaphidis	2837 Pandora neoaphidis
2687 Beauveria bassiana	2760 Pandora neoaphidis	2838 Pandora neoaphidis
2688 Beauveria bassiana	2761 Pandora neoaphidis	2839 Pandora neoaphidis
2689 Beauveria bassiana	2762 Pandora neoaphidis	2840 Pandora neoaphidis
2690 Beauveria bassiana	2763 Pandora neoaphidis	2841 Zoophthora occidentalis
2691 Beauveria bassiana	2764 Metarhizium brunneum	2842 Pandora neoaphidis
2692 Beauveria bassiana	2765 Aspergillus sp.	2843 Entomophaga aulicae
2693 Beauveria bassiana	2766 Pandora neoaphidis	2844 Pandora neoaphidis
2694 Beauveria varroae	2767 Pandora neoaphidis	2845 Pandora neoaphidis
2695 Beauveria bassiana	2768 Pandora neoaphidis	2846 Pandora neoaphidis
2696 Zoophthora radicans	2769 Pandora neoaphidis	2847 Pandora neoaphidis
2697 Zoophthora radicans	2771 Conidiobolus sp.	2848 Pandora neoaphidis
2698 Zoophthora radicans	2772 Conidiobolus sp.	2849 Conidiobolus thromboides
2699 Zoophthora radicans	2773 Pandora neoaphidis	2850 Conidiobolus thromboides
2700 Zoophthora radicans	2775 Entomophaga maimaiga	2851 Pandora neoaphidis
2701 Zoophthora radicans	2776 Fusarium proliferatum	2852 Pandora neoaphidis
2702 Zoophthora radicans	2777 Tolypocladium cylindrosporum	2853 Pandora neoaphidis
2703 Zoophthora radicans	2778 Tolypocladium cylindrosporum	2854 Pandora neoaphidis
2704 Zoophthora radicans	2779 Entomophaga maimaiga	2855 Pandora neoaphidis
2705 Zoophthora radicans	2780 Entomophaga maimaiga	2856 Pandora neoaphidis
2706 Zoophthora radicans	2781 Pandora neoaphidis	2857 Beauveria bassiana
2707 Zoophthora radicans	2782 Pandora neoaphidis	2858 Lecanicillium muscarium
2708 Zoophthora radicans	2783 Pandora neoaphidis	2859 Verticillium lecanii
2709 Zoophthora radicans	2784 Pandora neoaphidis	2860 Beauveria bassiana
2710 Zoophthora radicans	2786 Metarhizium anisopliae sensu stricto	2861 Beauveria bassiana
2711 Zoophthora radicans	2787 Basidiobolus ranarum	2862 Lecanicillium muscarium
2712 Zoophthora radicans	2788 Hirsutella rhossiliensis	2863 Stachybotrys sp.
2713 Zoophthora radicans	2789 Hirsutella rhossiliensis	2864 Beauveria bassiana
2714 Zoophthora radicans	2790 Hirsutella rhossiliensis	2865 Pandora neoaphidis
2715 Conidiobolus coronatus	2791 Hirsutella rhossiliensis	2866 Pandora neoaphidis
2716 Zoophthora radicans	2792 Hirsutella rhossiliensis	2867 Pandora neoaphidis
2717 Zoophthora radicans	2793 Hirsutella rhossiliensis	2868 Pandora neoaphidis
2718 Zoophthora radicans	2794 Hirsutella rhossiliensis	2869 Beauveria bassiana
2719 Zoophthora radicans	2795 Hirsutella sp.	2870 Pandora neoaphidis
2720 Zoophthora radicans	2796 Hirsutella sp.	2872 Pandora neoaphidis
2721 Entomophaga praxibuli	2797 Hirsutella sp.	2873 Pandora neoaphidis
2722 Beauveria bassiana	2798 Hirsutella sp.	2874 Pandora neoaphidis
2723 Beauveria bassiana	2799 Hirsutella sp.	2875 Pandora neoaphidis
2724 Isaria farinosa	2800 Hirsutella thompsonii	2876 Pandora neoaphidis
2725 Beauveria bassiana	2801 Hirsutella sp.	2877 Lecanicillium muscarium
2726 Isaria farinosa	2802 Hirsutella sp.	2878 Lecanicillium muscarium
2727 Beauveria bassiana	2803 Hirsutella sp.	2879 Beauveria bassiana
2728 Beauveria bassiana	2804 Isaria fumosorosea	2880 Beauveria bassiana
2729 Beauveria bassiana	2805 Metarhizium anisopliae sensu lato	2881 Beauveria bassiana
2730 Conidiobolus coronatus	2806 Metarhizium anisopliae sensu lato	2882 Beauveria bassiana
2731 Conidiobolus firmipilleus	2807 Isaria farinosa	2883 Beauveria bassiana
2732 Zoophthora radicans	2808 Metarhizium majus	2893 Zoophthora radicans
2733 Isaria fumosorosea	2809 Metarhizium pingshaense	2894 Hirsutella rhossiliensis
2734 Isaria fumosorosea	2810 Mixed Culture sp.	2896 Entomophaga aulicae
2735 Metarhizium pingshaense	2811 Zoophthora radicans	2897 Entomophaga aulicae
2736 Fusarium sp.	2812 Conidiobolus coronatus	2898 Entomophaga aulicae
2737 Beauveria bassiana	2813 Conidiobolus coronatus	2899 Entomophaga aulicae
2738 Mixed Culture sp.	2814 Conidiobolus coronatus	2900 Entomophaga aulicae
2739 Beauveria bassiana	2815 Conidiobolus sp.	2901 Entomophaga aulicae
2740 Mixed Culture sp.	2816 Conidiobolus sp.	2902 Entomophaga aulicae
2741 Myrothecium verrucaria	2817 Aspergillus sp.	2903 Entomophaga aulicae
2742 Metarhizium brunneum	2818 Aspergillus flavus	2904 Entomophaga aulicae
2743 Fusarium sp.	2819 Conidiobolus sp.	2905 Entomophaga aulicae
2744 Isaria fumosorosea	2820 Aspergillus sp.	2906 Furia gastropachae

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2909	<i>Sporothrix insectorum</i>	2981	<i>Metarhizium robertsii</i>	3057	<i>Metarhizium anisopliae sensu lato</i>
2910	<i>Akanthomyces gracilis</i>	2982	<i>Metarhizium robertsii</i>	3058	<i>Entomophaga praxibuli</i>
2911	<i>Tolyposcladium cylindrosporium</i>	2983	<i>Beauveria bassiana</i>	3059	<i>Entomophaga praxibuli</i>
2912	<i>Tolyposcladium cylindrosporium</i>	2984	<i>Beauveria bassiana</i>	3060	<i>Entomophaga praxibuli</i>
2913	<i>Pseudogibellula formicarum</i>	2985	<i>Beauveria bassiana</i>	3061	<i>Entomophaga praxibuli</i>
2914	<i>Conidiobolus thromboides</i>	2986	<i>Beauveria bassiana</i>	3062	<i>Pandora delphacis</i>
2915	<i>Stilbella buquetii</i>	2987	<i>Beauveria bassiana</i>	3063	<i>Beauveria pseudobassiana</i>
2916	<i>Verticillium lecanii</i>	2988	<i>Beauveria bassiana</i>	3064	<i>Metarhizium novozealandicum</i>
2917	<i>Stilbella buquetii</i>	2989	<i>Beauveria bassiana</i>	3065	<i>Beauveria pseudobassiana</i>
2918	<i>Sporothrix insectorum</i>	2990	<i>Beauveria bassiana</i>	3066	<i>Beauveria pseudobassiana</i>
2919	<i>Akanthomyces gracilis</i>	2991	<i>Beauveria bassiana</i>	3068	<i>Entomophaga praxibuli</i>
2920	<i>Tolyposcladium cylindrosporium</i>	2992	<i>Hirsutella sp.</i>	3069	<i>Entomophaga praxibuli</i>
2921	<i>Tolyposcladium extingens</i>	2993	<i>Hirsutella guyana</i>	3070	<i>Beauveria pseudobassiana</i>
2922	<i>Beauveria vermiconia</i>	2994	<i>Zoopththora radicans</i>	3071	<i>Zoopththora occidentalis</i>
2923	<i>Lecanicillium muscarium</i>	2995	<i>Zoopththora radicans</i>	3072	<i>Pandora delphacis</i>
2924	<i>Conidiobolus sp.</i>	2996	<i>Zoopththora radicans</i>	3073	<i>Zoopththora occidentalis</i>
2925	<i>Conidiobolus sp.</i>	2997	<i>Beauveria pseudobassiana</i>	3074	<i>Entomophthora muscae</i>
2926	<i>Conidiobolus sp.</i>	2998	<i>Beauveria sp.</i>	3075	<i>Pandora blunckii</i>
2927	<i>Conidiobolus sp.</i>	2999	<i>Unidentified / Hyphomycetes</i>	3076	<i>Isaria fumosorosea</i>
2928	<i>Conidiobolus sp.</i>	3000	<i>Lecanicillium muscarium</i>	3077	<i>Entomophaga macleodii</i>
2929	<i>Engyodontium aranearum</i>	3001	<i>Gliocladium roseum</i>	3078	<i>Entomophaga macleodii</i>
2930	<i>Mariannaea sp.</i>	3002	<i>Zoopththora radicans</i>	3079	<i>Entomophaga macleodii</i>
2931	<i>Hirsutella rhossiliensis</i>	3003	<i>Zoopththora radicans</i>	3080	<i>Batkoa apiculata</i>
2932	<i>Hirsutella rhossiliensis</i>	3004	<i>Zoopththora radicans</i>	3081	<i>Pandora neoaphidis</i>
2933	<i>Hirsutella rhossiliensis</i>	3005	<i>Zoopththora radicans</i>	3082	<i>Pandora neoaphidis</i>
2934	<i>Drechlerella dactyloides</i>	3006	<i>Zoopththora radicans</i>	3083	<i>Isaria fumosorosea</i>
2935	<i>Engyodontium aranearum</i>	3007	<i>Zoopththora radicans</i>	3084	<i>Trichoderma sp.</i>
2936	<i>Batkoa major</i>	3008	<i>Zoopththora radicans</i>	3085	<i>Cladosporium cladosporioides</i>
2937	<i>Isaria farinosa</i>	3009	<i>Zoopththora radicans</i>	3086	<i>Beauveria bassiana</i>
2938	<i>Beauveria bassiana</i>	3010	<i>Zoopththora radicans</i>	3087	<i>Conidiobolus coronatus</i>
2939	<i>Hirsutella sp.</i>	3011	<i>Zoopththora radicans</i>	3088	<i>Batkoa apiculata</i>
2940	<i>Hirsutella sp.</i>	3012	<i>Zoopththora radicans</i>	3089	<i>Conidiobolus obscurus</i>
2941	<i>Metarhizium anisopliae sensu lato</i>	3013	<i>Zoopththora radicans</i>	3090	<i>Conidiobolus obscurus</i>
2942	<i>Beauveria bassiana</i>	3014	<i>Aschersonia sp.</i>	3091	<i>Batkoa apiculata</i>
2943	<i>Beauveria bassiana</i>	3015	<i>Aschersonia sp.</i>	3092	<i>Conidiobolus obscurus</i>
2944	<i>Beauveria bassiana</i>	3016	<i>Entomophaga aulicae</i>	3093	<i>Pandora delphacis</i>
2945	<i>Beauveria bassiana</i>	3017	<i>Isaria farinosa</i>	3094	<i>Pandora delphacis</i>
2946	<i>Beauveria bassiana</i>	3018	<i>Beauveria bassiana</i>	3095	<i>Pandora delphacis</i>
2948	<i>Metarhizium brasiliense</i>	3019	<i>Beauveria bassiana</i>	3096	<i>Pandora delphacis</i>
2949	<i>Metarhizium anisopliae sensu lato</i>	3020	<i>Beauveria bassiana</i>	3097	<i>Beauveria bassiana</i>
2950	<i>Penicillium sp.</i>	3021	<i>Zoopththora radicans</i>	3098	<i>Beauveria bassiana</i>
2951	<i>Metarhizium anisopliae sensu lato</i>	3022	<i>Zoopththora radicans</i>	3099	<i>Conidiobolus coronatus</i>
2952	<i>Purpureocillium lilacinum</i>	3023	<i>Zoopththora radicans</i>	3101	<i>Paeclomyces sp.</i>
2953	<i>Beauveria bassiana</i>	3024	<i>Zoopththora radicans</i>	3102	<i>Batkoa major</i>
2954	<i>Isaria farinosa</i>	3026	<i>Zoopththora radicans</i>	3103	<i>Batkoa major</i>
2955	<i>Conidiobolus thromboides</i>	3027	<i>Zoopththora radicans</i>	3104	<i>Zoopththora radicans</i>
2956	<i>Isaria fumosorosea</i>	3028	<i>Zoopththora occidentalis</i>	3105	<i>Zoopththora radicans</i>
2957	<i>Beauveria bassiana</i>	3029	<i>Zoopththora occidentalis</i>	3106	<i>Pandora delphacis</i>
2958	<i>Isaria amoenerosea</i>	3030	<i>Fusarium sp.</i>	3107	<i>Pandora delphacis</i>
2959	<i>Isaria amoenerosea</i>	3031	<i>Fusarium sp.</i>	3108	<i>Metarhizium robertsii</i>
2960	<i>Isaria amoenerosea</i>	3032	<i>Fusarium sp.</i>	3109	<i>Conidiobolus coronatus</i>
2961	<i>Beauveria bassiana</i>	3035	<i>Metapochonia bulbillosa(?)</i>	3110	<i>Entomophaga maimaiga</i>
2962	<i>Beauveria bassiana</i>	3036	<i>Penicillium sp.</i>	3111	<i>Beauveria bassiana</i>
2963	<i>Entomophaga praxibuli</i>	3037	<i>Beauveria bassiana</i>	3112	<i>Beauveria bassiana</i>
2964	<i>Entomophaga praxibuli</i>	3039	<i>Entomophaga aulicae</i>	3113	<i>Beauveria bassiana</i>
2965	<i>Entomophaga praxibuli</i>	3040	<i>Beauveria bassiana</i>	3114	<i>Zoopththora radicans</i>
2966	<i>Entomophaga praxibuli</i>	3041	<i>Beauveria bassiana</i>	3115	<i>Zoopththora radicans</i>
2967	<i>Entomophaga praxibuli</i>	3042	<i>Fusarium concolor</i>	3116	<i>Zoopththora radicans</i>
2968	<i>Entomophaga praxibuli</i>	3043	<i>Metarhizium robertsii</i>	3117	<i>Zoopththora radicans</i>
2969	<i>Entomophaga praxibuli</i>	3044	<i>Metarhizium pingshaense</i>	3118	<i>Zoopththora radicans</i>
2970	<i>Entomophaga praxibuli</i>	3045	<i>Metarhizium brunneum</i>	3119	<i>Zoopththora radicans</i>
2971	<i>Isaria farinosa</i>	3047	<i>Purpureocillium lilacinum</i>	3120	<i>Beauveria bassiana</i>
2972	<i>Beauveria bassiana</i>	3048	<i>Aspergillus sp.</i>	3121	<i>Beauveria pseudobassiana</i>
2974	<i>Metarhizium brunneum</i>	3049	<i>Purpureocillium lilacinum</i>	3122	<i>Unidentified sp.</i>
2975	<i>Isaria farinosa</i>	3051	<i>Fusarium sp.</i>	3123	<i>Unidentified sp.</i>
2976	<i>Beauveria bassiana</i>	3052	<i>Entomophaga maimaiga</i>	3124	<i>Unidentified sp.</i>
2977	<i>Zoopththora radicans</i>	3053	<i>Entomophaga maimaiga</i>	3125	<i>Unidentified sp.</i>
2978	<i>Zoopththora radicans</i>	3054	<i>Beauveria brongiartii</i>	3126	<i>Pandora neoaphidis</i>
2979	<i>Zoopththora radicans</i>	3055	<i>Beauveria pseudobassiana</i>	3127	<i>Metarhizium anisopliae sensu lato</i>
2980	<i>Zoopththora radicans</i>	3056	<i>Metarhizium novozealandicum</i>	3128	<i>Unidentified sp.</i>

3129	<i>Conidiobolus thromboides</i>	3199	<i>Beauveria bassiana</i>	3271	<i>Tolypocladium geodes</i>
3130	<i>Batkoa apiculata</i>	3200	<i>Pandora blunckii</i>	3272	<i>Tolypocladium geodes</i>
3131	<i>Batkoa</i> sp.	3201	<i>Pandora</i> sp.	3273	<i>Tolypocladium geodes</i>
3132	<i>Conidiobolus obscurus</i>	3202	<i>Pandora blunckii</i>	3274	<i>Tolypocladium geodes</i>
3133	<i>Conidiobolus obscurus</i>	3203	<i>Scopulariopsis</i> sp.	3275	<i>Tolypocladium geodes</i>
3134	<i>Conidiobolus obscurus</i>	3204	<i>Zoopththora radicans</i>	3276	<i>Tolypocladium geodes</i>
3135	<i>Conidiobolus obscurus</i>	3205	<i>Zoopththora radicans</i>	3277	<i>Tolypocladium inflatum</i>
3136	<i>Batkoa apiculata</i>	3206	<i>Zoopththora radicans</i>	3278	<i>Tolypocladium inflatum</i>
3137	<i>Conidiobolus obscurus</i>	3207	<i>Hirsutella rhossiliensis</i>	3279	<i>Tolypocladium inflatum</i>
3138	<i>Conidiobolus obscurus</i>	3208	<i>Conidiobolus</i> sp.	3280	<i>Tolypocladium inflatum</i>
3139	<i>Conidiobolus obscurus</i>	3209	Unidentified sp.	3281	<i>Tolypocladium inflatum</i>
3140	<i>Batkoa apiculata</i>	3210	<i>Metarhizium pingshaense</i>	3282	<i>Strongwellsea castrans</i>
3141	<i>Conidiobolus obscurus</i>	3211	<i>Metarhizium robertsii</i>	3283	<i>Zoopththora radicans</i>
3142	Unidentified / <i>Hyphomycetes</i>	3212	<i>Entomophaga aulicae</i>	3284	<i>Zoopththora radicans</i>
3143	<i>Aspergillus niger</i>	3213	<i>Zoopththora radicans</i>	3285	<i>Beauveria bassiana</i>
3144	<i>Aspergillus flavus</i>	3214	<i>Zoopththora radicans</i>	3286	<i>Beauveria bassiana</i>
3145	<i>Metarhizium majus</i>	3215	<i>Beauveria bassiana</i>	3287	<i>Beauveria bassiana</i>
3146	<i>Metarhizium anisopliae sensu lato</i>	3216	<i>Beauveria pseudobassiana</i>	3288	<i>Beauveria bassiana</i>
3147	<i>Metarhizium anisopliae sensu lato</i>	3217	<i>Zoopththora radicans</i>	3289	<i>Beauveria</i> sp.
3148	<i>Metarhizium anisopliae sensu lato</i>	3218	<i>Fusarium acuminatum</i>	3290	<i>Metarhizium anisopliae sensu lato</i>
3149	<i>Zoopththora radicans</i>	3219	<i>Beauveria bassiana</i>	3291	<i>Metarhizium anisopliae sensu lato</i>
3150	<i>Zoopththora radicans</i>	3220	<i>Beauveria pseudobassiana</i>	3292	<i>Metarhizium anisopliae sensu lato</i>
3151	<i>Zoopththora radicans</i>	3221	<i>Isaria farinosa</i>	3293	<i>Metarhizium anisopliae sensu lato</i>
3152	<i>Isaria farinosa</i>	3222	<i>Conidiobolus coronatus</i>	3294	<i>Metarhizium brunneum</i>
3153	<i>Beauveria pseudobassiana</i>	3223	<i>Fusarium proliferatum</i>	3295	<i>Metarhizium brunneum</i>
3154	<i>Beauveria bassiana</i>	3225	<i>Batkoa apiculata</i>	3296	<i>Fusarium</i> sp.
3155	<i>Beauveria bassiana</i>	3226	<i>Batkoa apiculata</i>	3297	<i>Metarhizium brunneum</i>
3156	<i>Beauveria bassiana</i>	3227	Unidentified sp.	3298	Unidentified sp.
3157	<i>Beauveria bassiana</i>	3228	Unidentified sp.	3299	Unidentified sp.
3158	<i>Beauveria bassiana</i>	3229	<i>Erynia curvispora</i>	3300	<i>Fusarium verticillioides</i>
3159	<i>Zoopththora radicans</i>	3230	Unidentified sp.	3301	<i>Metarhizium rileyi</i>
3160	<i>Zoopththora radicans</i>	3231	Unidentified sp.	3302	<i>Isaria fumosorosea</i>
3161	<i>Zoopththora radicans</i>	3232	Unidentified sp.	3303	<i>Isaria javanica</i>
3162	<i>Zoopththora radicans</i>	3233	Unidentified sp.	3304	Unidentified sp.
3163	<i>Zoopththora radicans</i>	3234	<i>Pandora neoaphidis</i>	3305	<i>Metarhizium anisopliae sensu lato</i>
3164	<i>Zoopththora radicans</i>	3235	Unidentified sp.	3306	<i>Metarhizium anisopliae sensu lato</i>
3165	<i>Zoopththora radicans</i>	3236	Unidentified sp.	3307	<i>Metarhizium anisopliae sensu lato</i>
3166	<i>Beauveria bassiana</i>	3237	<i>Pandora neoaphidis</i>	3308	<i>Metarhizium anisopliae sensu lato</i>
3167	<i>Beauveria bassiana</i>	3238	<i>Pandora neoaphidis</i>	3309	<i>Beauveria bassiana</i>
3168	<i>Beauveria bassiana</i>	3239	Unidentified sp.	3310	<i>Beauveria bassiana</i>
3169	<i>Beauveria bassiana</i>	3240	<i>Pandora neoaphidis</i>	3311	<i>Beauveria bassiana</i>
3170	<i>Zoopththora radicans</i>	3241	<i>Pandora neoaphidis</i>	3312	<i>Beauveria bassiana</i>
3171	<i>Zoopththora radicans</i>	3242	Unidentified sp.	3313	<i>Isaria fumosorosea</i>
3172	<i>Zoopththora radicans</i>	3243	Unidentified sp.	3314	<i>Pochonia chlamydosporia</i>
3173	<i>Haptocillium balanoides</i>	3244	<i>Erynia curvispora</i>	3315	<i>Mariannaea</i> sp.
3174	<i>Pandora neoaphidis</i>	3245	Unidentified sp.	3316	<i>Mariannaea</i> sp.
3175	<i>Pandora neoaphidis</i>	3246	Unidentified sp.	3317	<i>Mariannaea</i> sp.
3176	<i>Aspergillus</i> sp.	3247	Unidentified sp.	3318	<i>Hirsutella</i> sp.
3177	<i>Isaria fumosorosea</i>	3248	<i>Pandora neoaphidis</i>	3319	Unidentified sp.
3178	Mixed Culture sp.	3249	<i>Pandora neoaphidis</i>	3320	<i>Tolypocladium inflatum</i>
3179	<i>Isaria fumosorosea</i>	3250	<i>Pandora neoaphidis</i>	3321	<i>Tolypocladium inflatum</i>
3180	<i>Metarhizium pingshaense</i>	3251	<i>Pandora neoaphidis</i>	3322	<i>Isaria fumosorosea</i>
3181	<i>Beauveria bassiana</i>	3252	<i>Mariannaea</i> sp.	3323	<i>Hirsutella thompsonii</i>
3182	Mixed Culture sp.	3253	<i>Lecanicillium</i> sp.	3324	<i>Lecanicillium muscarium</i>
3183	<i>Isaria farinosa</i>	3254	<i>Lecanicillium</i> sp.	3325	<i>Aspergillus ochraceus</i>
3184	<i>Isaria farinosa</i>	3255	<i>Lecanicillium</i> sp.	3327	<i>Lagenidium giganteum</i>
3185	<i>Isaria farinosa</i>	3257	<i>Mariannaea</i> sp.	3329	<i>Metarhizium anisopliae sensu lato</i>
3186	<i>Isaria farinosa</i>	3258	<i>Mariannaea</i> sp.	3330	<i>Metarhizium anisopliae sensu lato</i>
3187	<i>Metarhizium anisopliae sensu stricto</i>	3259	<i>Lecanicillium</i> sp.	3331	<i>Metarhizium anisopliae sensu lato</i>
3188	<i>Isaria fumosorosea</i>	3260	<i>Lecanicillium</i> sp.	3332	<i>Metarhizium anisopliae sensu lato</i>
3189	<i>Scopulariopsis</i> sp.	3261	<i>Mariannaea</i> sp.	3333	<i>Metarhizium anisopliae sensu lato</i>
3190	<i>Metarhizium anisopliae sensu lato</i>	3262	<i>Mariannaea</i> sp.	3334	<i>Metarhizium anisopliae sensu lato</i>
3191	<i>Isaria farinosa</i>	3263	<i>Mariannaea</i> sp.	3335	<i>Metarhizium anisopliae sensu lato</i>
3192	<i>Isaria amoenerosea</i>	3264	<i>Mariannaea</i> sp.	3336	<i>Metarhizium anisopliae sensu lato</i>
3193	<i>Metarhizium pingshaense</i>	3265	<i>Mariannaea</i> sp.	3337	<i>Metarhizium anisopliae sensu lato</i>
3194	<i>Metarhizium anisopliae sensu lato</i>	3266	<i>Hirsutella</i> sp.	3338	<i>Metarhizium anisopliae sensu lato</i>
3195	<i>Aspergillus</i> sp.	3267	<i>Mariannaea</i> sp.	3339	<i>Metarhizium anisopliae sensu lato</i>
3196	<i>Metarhizium anisopliae sensu lato</i>	3268	<i>Mariannaea</i> sp.	3340	<i>Metarhizium anisopliae sensu lato</i>
3197	<i>Beauveria bassiana</i>	3269	<i>Mariannaea</i> sp.	3341	<i>Metarhizium acridum</i>
3198	<i>Beauveria bassiana</i>	3270	<i>Mariannaea</i> sp.	3342	<i>Zoopththora phytonomi</i>

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3343	<i>Zoophthora phytonomi</i>	3414	<i>Conidiobolus coronatus</i>	3485	<i>Strongwellsea castrans</i>
3344	<i>Zoophthora phytonomi</i>	3415	<i>Conidiobolus coronatus</i>	3486	<i>Zoophthora</i> sp.
3345	<i>Fusarium proliferatum</i>	3416	<i>Lecanicillium psalliotae</i>	3487	<i>Zoophthora</i> sp.
3346	<i>Drechmeria coniospora</i>	3417	Unidentified sp.	3488	<i>Zoophthora</i> sp.
3347	<i>Arthrobotrys oligospora</i>	3418	<i>Lecanicillium muscarium</i>	3490	<i>Isaria farinosa</i>
3348	<i>Monacrosporium ellipsosporum</i>	3419	Unidentified sp.	3491	<i>Isaria farinosa</i>
3349	<i>Monacrosporium cionopagum</i>	3420	Unidentified sp.	3492	<i>Isaria farinosa</i>
3350	<i>Haptocillium balanoides</i>	3421	Unidentified sp.	3493	<i>Isaria farinosa</i>
3351	<i>Nematoctonus</i> sp.	3422	Unidentified sp.	3494	<i>Isaria farinosa</i>
3354	<i>Drechmeria coniospora</i>	3423	Unidentified sp.	3495	<i>Isaria farinosa</i>
3355	<i>Zoophthora radicans</i>	3424	Unidentified sp.	3496	<i>Isaria farinosa</i>
3356	<i>Entomophaga praxibuli</i>	3425	Unidentified sp.	3497	<i>Isaria farinosa</i>
3357	<i>Entomophaga praxibuli</i>	3426	Unidentified sp.	3498	<i>Isaria farinosa</i>
3358	<i>Entomophaga praxibuli</i>	3427	Unidentified sp.	3499	<i>Isaria farinosa</i>
3359	<i>Conidiobolus thromboides</i>	3428	Unidentified sp.	3500	<i>Isaria farinosa</i>
3360	<i>Conidiobolus thromboides</i>	3429	<i>Isaria fumosorosea</i>	3501	<i>Isaria farinosa</i>
3361	<i>Conidiobolus thromboides</i>	3430	<i>Aspergillus flavus</i>	3502	<i>Isaria farinosa</i>
3362	<i>Conidiobolus thromboides</i>	3431	<i>Tolyposcladium microsporium</i>	3503	<i>Isaria farinosa</i>
3363	<i>Conidiobolus thromboides</i>	3432	<i>Tolyposcladium inflatum</i>	3504	<i>Isaria farinosa</i>
3364	<i>Conidiobolus thromboides</i>	3433	<i>Tolyposcladium inflatum</i>	3505	<i>Isaria farinosa</i>
3365	<i>Pandora neoaphidis</i>	3434	<i>Tolyposcladium nubicola</i>	3506	<i>Isaria farinosa</i>
3366	<i>Pandora neoaphidis</i>	3435	<i>Tolyposcladium nubicola</i>	3507	<i>Isaria farinosa</i>
3367	<i>Pandora neoaphidis</i>	3436	<i>Tolyposcladium parasiticum</i>	3508	<i>Isaria farinosa</i>
3368	Unidentified sp.	3437	<i>Beauveria bassiana</i>	3509	<i>Hirsutella brownorum</i>
3369	<i>Arthrobotrys oligospora</i> var. <i>oligospora</i>	3438	<i>Beauveria bassiana</i>	3510	<i>Beauveria</i> sp.
3370	<i>Arthrobotrys oligospora</i> var. <i>oligospora</i>	3439	<i>Beauveria bassiana</i>	3511	<i>Purpureocillium lilacinum</i>
3371	<i>Drechlerella dactyloides</i>	3440	<i>Beauveria bassiana</i>	3512	<i>Purpureocillium lilacinum</i>
3372	<i>Drechlerella dactyloides</i>	3441	<i>Beauveria bassiana</i>	3513	<i>Beauveria bassiana</i>
3373	<i>Drechlerella dactyloides</i>	3442	<i>Beauveria bassiana</i>	3514	<i>Beauveria bassiana</i>
3374	Unidentified sp.	3443	<i>Beauveria bassiana</i>	3515	<i>Beauveria bassiana</i>
3375	<i>Cladosporium cladosporioides</i>	3444	<i>Beauveria bassiana</i>	3516	<i>Beauveria bassiana</i>
3376	<i>Zoophthora radicans</i>	3445	<i>Beauveria bassiana</i>	3517	<i>Isaria farinosa</i>
3377	<i>Zoophthora radicans</i>	3446	<i>Beauveria bassiana</i>	3518	<i>Isaria farinosa</i>
3378	Unidentified sp.	3447	<i>Beauveria bassiana</i>	3519	<i>Isaria farinosa</i>
3379	<i>Conidiobolus coronatus</i>	3448	<i>Beauveria bassiana</i>	3520	<i>Isaria farinosa</i>
3380	Unidentified sp.	3449	<i>Beauveria bassiana</i>	3521	<i>Isaria farinosa</i>
3381	Unidentified sp.	3450	<i>Beauveria bassiana</i>	3522	<i>Isaria farinosa</i>
3382	<i>Fusarium</i> sp.	3451	<i>Beauveria bassiana</i>	3523	<i>Isaria farinosa</i>
3383	<i>Conidiobolus</i> sp.	3452	<i>Beauveria bassiana</i>	3524	<i>Isaria farinosa</i>
3384	<i>Conidiobolus</i> sp.	3453	<i>Beauveria bassiana</i>	3525	<i>Isaria farinosa</i>
3385	<i>Beauveria bassiana</i>	3454	<i>Beauveria bassiana</i>	3526	<i>Isaria farinosa</i>
3386	<i>Beauveria bassiana</i>	3455	<i>Beauveria bassiana</i>	3527	<i>Beauveria bassiana</i>
3387	<i>Lecanicillium lecanii</i>	3456	<i>Beauveria bassiana</i>	3528	<i>Beauveria pseudobassiana</i>
3388	<i>Metarhizium robertsii</i>	3457	<i>Beauveria bassiana</i>	3529	<i>Beauveria pseudobassiana</i>
3389	<i>Metarhizium anisopliae</i> sensu lato	3458	<i>Isaria fumosorosea</i>	3530	<i>Beauveria bassiana</i>
3390	<i>Zoophthora radicans</i>	3459	<i>Pandora neoaphidis</i>	3531	<i>Lecanicillium muscarium</i>
3391	<i>Metarhizium acridum</i>	3460	<i>Beauveria bassiana</i>	3532	<i>Fusarium</i> sp.
3392	<i>Tolyposcladium cylindrosporium</i>	3461	<i>Isaria farinosa</i>	3533	<i>Isaria farinosa</i>
3393	<i>Tolyposcladium cylindrosporium</i>	3462	<i>Beauveria bassiana</i>	3534	<i>Beauveria bassiana</i>
3394	<i>Tolyposcladium inflatum</i>	3463	<i>Cladosporium cladosporioides</i>	3535	<i>Mucor</i> sp.
3395	<i>Tolyposcladium inflatum</i>	3464	<i>Lecanicillium muscarium</i>	3536	Unidentified sp.
3396	<i>Tolyposcladium inflatum</i>	3466	Unidentified sp.	3537	<i>Isaria farinosa</i>
3398	<i>Tolyposcladium inflatum</i>	3467	Unidentified sp.	3538	<i>Isaria farinosa</i>
3399	<i>Tolyposcladium tundrense</i>	3468	Unidentified sp.	3539	<i>Pochonia chlamydosporia</i>
3400	<i>Tolyposcladium tundrense</i>	3469	<i>Purpureocillium lilacinum</i>	3540	<i>Metarhizium robertsii</i>
3401	<i>Tolyposcladium tundrense</i>	3470	Unidentified sp.	3541	<i>Metarhizium anisopliae</i> sensu lato
3402	<i>Conidiobolus</i> sp.	3471	Unidentified sp.	3542	<i>Metarhizium anisopliae</i> sensu lato
3403	<i>Beauveria bassiana</i>	3472	Mixed Culture sp.	3543	<i>Beauveria bassiana</i>
3404	<i>Beauveria bassiana</i>	3473	Unidentified sp.	3544	<i>Metarhizium anisopliae</i> sensu lato
3405	<i>Beauveria pseudobassiana</i>	3474	Unidentified sp.	3545	<i>Paecilomyces</i> sp.
3406	<i>Conidiobolus</i> sp.	3475	Unidentified sp.	3546	<i>Hirsutella</i> sp.
3407	<i>Conidiobolus</i> sp.	3476	Unidentified sp.	3547	<i>Verticillium</i> sp.
3408	<i>Isaria fumosorosea</i>	3477	<i>Beauveria bassiana</i>	3548	<i>Hirsutella</i> sp.
3409	<i>Conidiobolus</i> sp.	3478	Unidentified sp.	3549	<i>Mariannaea</i> sp.
3410	<i>Pandora neoaphidis</i>	3479	<i>Metarhizium anisopliae</i> sensu lato	3550	<i>Verticillium</i> sp.
3411	<i>Pandora neoaphidis</i>	3480	<i>Isaria fumosorosea</i>	3551	<i>Verticillium</i> sp.
3412	<i>Pandora neoaphidis</i>	3481	<i>Purpureocillium lilacinum</i>	3552	<i>Verticillium</i> sp.
3413	Unidentified sp.	3482	<i>Hirsutella thompsonii</i>	3553	<i>Hirsutella</i> sp.
		3483	<i>Fusarium torulosum</i>	3554	<i>Mariannaea</i> sp.
		3484	<i>Pandora delphacis</i>	3555	<i>Mariannaea</i> sp.

3556	<i>Verticillium</i> sp.	3626	Unidentified sp.	3696	<i>Fusarium polyphialidicum</i>
3557	<i>Mariannaea</i> sp.	3627	Unidentified sp.	3697	<i>Zoophthora radicans</i>
3558	<i>Mariannaea</i> sp.	3628	Unidentified sp.	3698	<i>Aspergillus</i> sp.
3559	<i>Mariannaea</i> sp.	3629	Unidentified sp.	3699	<i>Isaria fumosorosea</i>
3560	Unidentified sp.	3630	Unidentified sp.	3700	<i>Isaria fumosorosea</i>
3561	<i>Verticillium</i> sp.	3631	Unidentified sp.	3701	<i>Lecanicillium longisporum</i>
3562	<i>Mariannaea</i> sp.	3632	Unidentified sp.	3702	Sterile mycelium
3563	<i>Mariannaea</i> sp.	3633	Unidentified sp.	3703	Sterile mycelium
3564	<i>Isaria farinosa</i>	3634	Unidentified sp.	3704	<i>Fusarium acutatum</i>
3565	<i>Metarhizium anisopliae</i> sensu lato	3635	Unidentified sp.	3705	Sterile mycelium
3566	<i>Paecilomyces</i> sp.	3636	Unidentified sp.	3706	<i>Cladosporium</i> sp.
3567	Unidentified sp.	3637	Unidentified sp.	3707	<i>Fusarium acutatum</i>
3568	Unidentified sp.	3638	Unidentified sp.	3708	<i>Trichothecium roseum</i>
3569	Unidentified sp.	3639	Unidentified sp.	3709	<i>Lecanicillium muscarium</i>
3570	Unidentified sp.	3640	Unidentified sp.	3710	Sterile mycelium
3571	Unidentified sp.	3641	Unidentified sp.	3711	Sterile mycelium
3572	<i>Isaria farinosa</i>	3642	Unidentified sp.	3712	Sterile mycelium
3573	<i>Isaria javanica</i>	3643	<i>Metarhizium</i> sp.	3713	<i>Metarhizium anisopliae</i> sensu lato
3574	<i>Isaria farinosa</i>	3644	Unidentified sp.	3714	Unidentified sp.
3575	<i>Isaria farinosa</i>	3645	Unidentified sp.	3715	<i>Verticillium insectorum</i>
3576	<i>Isaria farinosa</i>	3646	Unidentified sp.	3716	<i>Beauveria bassiana</i>
3577	<i>Isaria javanica</i>	3647	Unidentified sp.	3717	<i>Beauveria bassiana</i>
3578	<i>Isaria farinosa</i>	3648	Unidentified sp.	3718	<i>Cordyceps</i> sp.
3579	<i>Isaria farinosa</i>	3649	Unidentified sp.	3719	Unidentified sp.
3580	<i>Isaria farinosa</i>	3650	Unidentified sp.	3720	<i>Metarhizium anisopliae</i> sensu lato
3581	<i>Isaria fumosorosea</i>	3651	Unidentified sp.	3721	<i>Metarhizium robertsii</i>
3582	<i>Isaria farinosa</i>	3652	Unidentified sp.	3722	Unidentified sp.
3583	<i>Isaria farinosa</i>	3653	Unidentified sp.	3723	<i>Monacrosporium ellipsosporum</i>
3584	<i>Isaria farinosa</i>	3654	Unidentified sp.	3724	Unidentified sp.
3585	<i>Isaria farinosa</i>	3655	Unidentified sp.	3725	Sterile mycelium
3586	<i>Isaria farinosa</i>	3656	Unidentified sp.	3726	Unidentified sp.
3587	<i>Isaria farinosa</i>	3657	Unidentified sp.	3727	Unidentified sp.
3588	<i>Isaria farinosa</i>	3658	<i>Isaria farinosa</i>	3728	Unidentified sp.
3589	<i>Isaria farinosa</i>	3659	<i>Isaria farinosa</i>	3729	Unidentified sp.
3590	<i>Isaria fumosorosea</i>	3660	<i>Isaria fumosorosea</i>	3730	<i>Arthrobotrys musiformis</i>
3591	<i>Isaria farinosa</i>	3661	<i>Isaria farinosa</i>	3731	<i>Monacrosporium ellipsosporum</i>
3592	<i>Isaria farinosa</i>	3662	<i>Isaria fumosorosea</i>	3732	<i>Arthrobotrys oligospora</i>
3593	<i>Isaria farinosa</i>	3663	<i>Isaria fumosorosea</i>	3733	<i>Drechslerella dactyloides</i>
3594	<i>Isaria fumosorosea</i>	3664	<i>Isaria farinosa</i>	3734	<i>Beauveria bassiana</i>
3595	<i>Isaria farinosa</i>	3665	<i>Isaria farinosa</i>	3735	Sterile mycelium
3596	<i>Isaria farinosa</i>	3666	<i>Isaria farinosa</i>	3736	<i>Podonectria coccicola</i>
3597	<i>Isaria farinosa</i>	3667	<i>Beauveria bassiana</i>	3737	<i>Zoophthora radicans</i>
3598	<i>Isaria farinosa</i>	3668	<i>Fusarium</i> sp.	3738	<i>Metarhizium brunneum</i>
3599	<i>Isaria farinosa</i>	3669	<i>Fusarium</i> sp.	3739	Unidentified sp.
3600	<i>Lecanicillium muscarium</i>	3670	<i>Fusarium</i> sp.	3740	<i>Lecanicillium muscarium</i>
3601	<i>Lecanicillium muscarium</i>	3671	<i>Fusarium</i> sp.	3741	<i>Verticillium lecanii</i>
3602	<i>Entomophaga aulicae</i>	3672	<i>Fusarium</i> sp.	3742	<i>Verticillium lecanii</i>
3603	<i>Metarhizium guizhouense</i>	3673	<i>Fusarium verticillioides</i>	3743	<i>Verticillium lecanii</i>
3604	<i>Metarhizium pingshaense</i>	3674	<i>Fusarium</i> sp.	3744	<i>Hirsutella rhossiliensis</i>
3605	<i>Metarhizium pingshaense</i>	3675	<i>Fusarium verticillioides</i>	3745	<i>Hirsutella rhossiliensis</i>
3606	<i>Metarhizium anisopliae</i> var. <i>acidum</i>	3676	<i>Fusarium verticillioides</i>	3746	<i>Hirsutella rhossiliensis</i>
3607	<i>Beauveria bassiana</i>	3677	<i>Fusarium verticillioides</i>	3747	<i>Hirsutella rhossiliensis</i>
3608	<i>Metarhizium robertsii</i>	3678	<i>Fusarium verticillioides</i>	3748	<i>Hirsutella rhossiliensis</i>
3609	<i>Metarhizium acidum</i>	3679	<i>Fusarium verticillioides</i>	3750	<i>Hirsutella rhossiliensis</i>
3610	<i>Metarhizium pingshaense</i>	3680	<i>Aphanocladium album</i>	3751	<i>Hirsutella rhossiliensis</i>
3611	<i>Metarhizium guizhouense</i>	3681	<i>Beauveria bassiana</i>	3752	<i>Hirsutella rhossiliensis</i>
3612	<i>Metarhizium acidum</i>	3682	<i>Isaria fumosorosea</i>	3753	<i>Hirsutella rhossiliensis</i>
3613	<i>Metarhizium</i> sp.	3683	<i>Lecanicillium lecanii</i>	3754	<i>Hirsutella rhossiliensis</i>
3614	<i>Metarhizium anisopliae</i> var. <i>acidum</i>	3684	<i>Lecanicillium muscarium</i>	3755	<i>Hirsutella rhossiliensis</i>
3615	<i>Metarhizium acidum</i>	3685	<i>Lecanicillium muscarium</i>	3756	<i>Hirsutella rhossiliensis</i>
3616	<i>Metarhizium acidum</i>	3686	<i>Lecanicillium muscarium</i>	3757	<i>Hirsutella rhossiliensis</i>
3617	<i>Metarhizium</i> sp.	3687	<i>Lecanicillium muscarium</i> (?)	3758	<i>Hirsutella rhossiliensis</i>
3618	<i>Metarhizium acidum</i>	3688	<i>Lecanicillium lecanii</i>	3759	<i>Hirsutella rhossiliensis</i>
3619	<i>Metarhizium anisopliae</i> sensu lato	3689	<i>Lecanicillium lecanii</i> (?)	3760	<i>Hirsutella rhossiliensis</i>
3620	<i>Beauveria bassiana</i>	3690	<i>Lecanicillium muscarium</i>	3761	<i>Hirsutella rhossiliensis</i>
3621	<i>Metarhizium anisopliae</i> sensu stricto	3691	<i>Lecanicillium muscarium</i>	3762	<i>Entomophaga maimaiga</i>
3622	<i>Beauveria bassiana</i>	3692	<i>Fusarium polyphialidicum</i>	3763	<i>Conidiobolus</i> sp.
3623	<i>Zoophthora radicans</i>	3693	<i>Fusarium polyphialidicum</i>	3764	<i>Basidiobolus</i> sp.
3624	Unidentified sp.	3694	<i>Fusarium polyphialidicum</i>	3765	<i>Hirsutella rhossiliensis</i>
3625	Unidentified sp.	3695	<i>Fusarium polyphialidicum</i>	3766	Unidentified sp.

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3767	Metarhizium sp.	3850	Unidentified sp.	3962	Unidentified sp.
3768	Paecilomyces sp.	3851	Isaria fumosorosea	3965	Beauveria pseudobassiana
3769	Beauveria bassiana	3852	Isaria fumosorosea	3966	Beauveria bassiana
3770	Verticillium lecanii	3853	Paecilomyces sp.	3967	Beauveria bassiana
3771	Isaria farinosa	3854	Purpureocillium lilacinum	3968	Beauveria bassiana
3772	Paecilomyces sp.	3855	Metarhizium marquandii	3969	Beauveria bassiana
3773	Unidentified sp.	3856	Unidentified sp.	3970	Beauveria bassiana
3774	Paecilomyces sp.	3857	Isaria fumosorosea	3972	Beauveria bassiana
3775	Paecilomyces sp.	3858	Beauveria bassiana	3973	Beauveria bassiana
3776	Isaria javanica	3859	Beauveria sp.	3974	Beauveria bassiana
3777	Paecilomyces sp.	3860	Unidentified sp.	3975	Beauveria bassiana
3778	Isaria javanica	3861	Lecanicillium muscarium	3976	Fusarium sp.
3779	Unidentified sp.	3862	Verticillium lecanii	3977	Beauveria bassiana
3780	Paecilomyces sp.	3864	Metarhizium brunneum	3978	Beauveria bassiana
3781	Paecilomyces sp.	3866	Beauveria bassiana	3979	Beauveria bassiana
3782	Paecilomyces sp.	3867	Beauveria bassiana	3980	Unidentified sp.
3783	Paecilomyces sp.	3868	Sterile mycelium	3981	Isaria javanica
3784	Paecilomyces sp.	3869	Unidentified sp.	3983	Isaria fumosorosea
3785	Paecilomyces sp.	3870	Paecilomyces sp.	3990	Unidentified sp.
3786	Paecilomyces sp.	3871	Paecilomyces sp.	3991	Unidentified sp.
3787	Paecilomyces sp.	3872	Paecilomyces sp.	3992	Unidentified sp.
3788	Paecilomyces sp.	3873	Paecilomyces sp.	3993	Unidentified sp.
3790	Tolypocladium inflatum	3874	Paecilomyces sp.	3994	Unidentified sp.
3791	Fusarium sp.	3875	Paecilomyces sp.	3995	Beauveria bassiana
3792	Cladosporium herbarum	3876	Unidentified sp.	3996	Beauveria bassiana
3793	Unidentified sp.	3877	Paecilomyces sp.	3997	Unidentified sp.
3794	Unidentified sp.	3878	Isaria fumosorosea	3998	Unidentified sp.
3796	Unidentified sp.	3879	Hirsutella rhossiliensis	3999	Beauveria bassiana
3797	Unidentified sp.	3880	Entomophaga maimaiga	4000	Unidentified sp.
3798	Unidentified sp.	3881	Verticillium lecanii	4001	Beauveria bassiana
3799	Unidentified sp.	3882	Lecanicillium lecanii(?)	4002	Fusarium sp.
3800	Isaria fumosorosea	3883	Lecanicillium lecanii(?)	4003	Unidentified sp.
3801	Unidentified sp.	3884	Lecanicillium lecanii(?)	4004	Entomophaga aulicae
3802	Unidentified sp.	3887	Entomophaga maimaiga	4005	Entomophaga aulicae
3803	Unidentified sp.	3888	Ophiocordyceps bisporus	4006	Entomophaga aulicae
3804	Unidentified sp.	3889	Isaria fumosorosea	4007	Entomophaga aulicae
3805	Unidentified sp.	3890	Beauveria bassiana	4008	Entomophaga aulicae
3806	Unidentified sp.	3891	Beauveria bassiana	4009	Sterile mycelium
3807	Unidentified sp.	3892	Beauveria bassiana	4010	Isaria farinosa
3818	Beauveria bassiana	3894	Unidentified sp.	4011	Fusarium sp.
3819	Beauveria bassiana	3897	Beauveria bassiana	4012	Beauveria bassiana
3820	Unidentified / Hyphomycetes	3902	Verticillium lecanii	4013	Beauveria bassiana
3821	Unidentified sp.	3903	Verticillium lecanii	4014	Beauveria bassiana
3822	Metarhizium anisopliae sensu lato	3904	Verticillium lecanii	4015	Beauveria bassiana
3824	Isaria fumosorosea	3905	Beauveria bassiana	4016	Beauveria bassiana
3825	Beauveria bassiana	3906	Beauveria bassiana	4017	Beauveria bassiana
3826	Metarhizium brunneum	3907	Beauveria bassiana	4018	Beauveria bassiana
3827	Metarhizium anisopliae sensu lato	3908	Beauveria bassiana	4019	Beauveria bassiana
3828	Entomophaga maimaiga	3909	Verticillium lecanii	4020	Metarhizium brunneum
3829	Entomophaga maimaiga	3913	Entomophaga maimaiga	4021	Beauveria bassiana
3830	Entomophaga maimaiga	3916	Fusarium polyphialidicum	4022	Verticillium lecanii
3831	Entomophaga maimaiga	3917	Isaria fumosorosea	4023	Beauveria bassiana
3832	Entomophaga maimaiga	3918	Metarhizium anisopliae sensu lato	4024	Beauveria brongniartii
3833	Entomophaga maimaiga	3919	Metarhizium anisopliae sensu lato	4025	Verticillium lecanii
3834	Entomophaga maimaiga	3920	Metarhizium anisopliae sensu lato	4026	Beauveria bassiana
3835	Entomophaga maimaiga	3924	Metarhizium anisopliae sensu stricto	4027	Beauveria sp.
3836	Lecanicillium muscarium	3925	Metarhizium robertsii	4028	Beauveria bassiana
3837	Lecanicillium muscarium	3927	Beauveria bassiana	4029	Isaria farinosa
3838	Lecanicillium muscarium	3929	Beauveria sp.	4030	Beauveria bassiana
3839	Lecanicillium muscarium	3930	Metarhizium anisopliae sensu lato	4031	Beauveria bassiana
3840	Verticillium lecanii	3934	Beauveria bassiana	4032	Beauveria bassiana
3841	Unidentified sp.	3936	Beauveria sp.	4033	Lecanicillium muscarium
3842	Unidentified sp.	3937	Beauveria bassiana	4034	Beauveria bassiana
3843	Isaria fumosorosea	3938	Isaria tenuipes	4035	Beauveria bassiana
3844	Unidentified sp.	3939	Isaria tenuipes	4036	Lecanicillium muscarium
3845	Unidentified sp.	3940	Metarhizium rileyi	4037	Unidentified sp.
3846	Purpureocillium lilacinum	3943	Unidentified sp.	4038	Beauveria bassiana
3847	Unidentified sp.	3944	Unidentified sp.	4039	Isaria farinosa
3848	Isaria fumosorosea	3945	Unidentified sp.	4040	Isaria farinosa
3849	Unidentified sp.	3947	Unidentified sp.	4041	Beauveria bassiana

4043	<i>Isaria farinosa</i>	4115	<i>Beauveria bassiana</i>	4186	<i>Metarhizium anisopliae</i> sensu lato
4044	<i>Isaria farinosa</i>	4116	<i>Beauveria bassiana</i>	4187	<i>Metarhizium anisopliae</i> sensu lato
4045	<i>Isaria farinosa</i>	4117	<i>Beauveria bassiana</i>	4188	<i>Metarhizium anisopliae</i> sensu lato
4046	<i>Beauveria bassiana</i>	4118	<i>Beauveria bassiana</i>	4189	<i>Metarhizium anisopliae</i> sensu lato
4047	<i>Verticillium lecanii</i>	4119	<i>Beauveria bassiana</i>	4190	<i>Metarhizium anisopliae</i> sensu lato
4048	<i>Verticillium lecanii</i>	4120	<i>Beauveria bassiana</i>	4191	<i>Metarhizium anisopliae</i> sensu lato
4049	<i>Beauveria bassiana</i>	4121	<i>Beauveria bassiana</i>	4192	<i>Metarhizium anisopliae</i> sensu lato
4050	<i>Lecanicillium longisporum</i>	4123	<i>Metarhizium robertsii</i>	4193	<i>Hirsutella</i> sp.
4051	<i>Beauveria bassiana</i>	4124	<i>Metarhizium frigidum</i>	4194	<i>Verticillium</i> sp.
4052	<i>Beauveria bassiana</i>	4125	<i>Metarhizium brunneum</i>	4195	<i>Verticillium</i> sp.
4053	<i>Beauveria bassiana</i>	4126	<i>Aspergillus flavus</i>	4197	<i>Beauveria</i> sp.
4054	<i>Beauveria bassiana</i>	4127	<i>Aspergillus tamarai</i>	4200	<i>Beauveria bassiana</i>
4055	<i>Beauveria bassiana</i>	4128	<i>Aspergillus parasiticus</i>	4201	Unidentified sp.
4056	<i>Beauveria bassiana</i>	4129	<i>Aspergillus parasiticus</i>	4203	<i>Verticillium</i> sp.
4057	<i>Beauveria bassiana</i>	4130	<i>Beauveria bassiana</i>	4204	Unidentified sp.
4058	<i>Acremonium</i> sp.	4131	<i>Metarhizium brunneum</i>	4205	<i>Isaria fumosorosea</i>
4059	<i>Acremonium</i> sp.	4132	<i>Metarhizium anisopliae</i> sensu lato	4207	<i>Aschersonia</i> sp.
4060	<i>Lecanicillium lecanii</i> (?)	4133	<i>Metarhizium anisopliae</i> sensu lato	4208	<i>Aschersonia</i> sp.
4061	<i>Verticillium lecanii</i>	4134	<i>Metarhizium anisopliae</i> sensu lato	4209	<i>Aschersonia aleyrodis</i>
4062	<i>Acremonium psamosporum</i>	4135	<i>Beauveria bassiana</i>	4210	<i>Aschersonia</i> sp.
4063	<i>Acremonium</i> sp.	4136	<i>Beauveria bassiana</i>	4214	Unidentified sp.
4064	<i>Lecanicillium nodulosum</i>	4137	<i>Metarhizium anisopliae</i> sensu lato	4215	Unidentified sp.
4065	<i>Verticillium lecanii</i>	4138	<i>Metarhizium anisopliae</i> sensu lato	4219	<i>Metarhizium frigidum</i>
4066	Mixed Culture sp.	4139	<i>Metarhizium anisopliae</i> sensu lato	4220	<i>Metarhizium anisopliae</i> sensu lato
4067	<i>Verticillium lecanii</i>	4140	Unidentified sp.	4221	<i>Metarhizium flavoviride</i>
4068		4141	<i>Metarhizium anisopliae</i> sensu lato	4222	<i>Beauveria pseudobassiana</i>
4069	<i>Verticillium lecanii</i>	4142	<i>Metarhizium anisopliae</i> sensu lato	4223	<i>Penicillium</i> sp.
4070	<i>Verticillium lecanii</i>	4143	<i>Penicillium</i> sp.	4224	<i>Metarhizium anisopliae</i> sensu lato
4071	<i>Verticillium lecanii</i>	4144	<i>Penicillium</i> sp.	4225	<i>Metarhizium anisopliae</i> sensu lato
4072	<i>Verticillium lecanii</i>	4145	Mixed Culture sp.	4226	<i>Metarhizium anisopliae</i> sensu lato
4073	<i>Verticillium lecanii</i>	4146	<i>Penicillium</i> sp.	4227	<i>Metarhizium robertsii</i>
4074	<i>Verticillium</i> sp.	4147	Unidentified sp.	4228	<i>Metarhizium brunneum</i>
4075	<i>Verticillium lecanii</i>	4148	<i>Penicillium</i> sp.	4229	<i>Metarhizium anisopliae</i> sensu lato
4076	<i>Verticillium lecanii</i>	4149	<i>Beauveria amorpha</i>	4230	<i>Metarhizium anisopliae</i> sensu lato
4077	<i>Verticillium lecanii</i>	4150	<i>Beauveria pseudobassiana</i>	4232	<i>Metarhizium anisopliae</i> sensu lato
4078		4151	<i>Metarhizium anisopliae</i> sensu lato	4233	Unidentified / Hyphomycetes
4079	<i>Verticillium lecanii</i>	4152	<i>Metarhizium brunneum</i>	4234	<i>Metarhizium anisopliae</i> sensu lato
4080	<i>Ophiocordyceps variabilis</i>	4153	<i>Metarhizium guizhouense</i>	4235	<i>Metarhizium anisopliae</i> sensu lato
4081	<i>Cordyceps militaris</i>	4154	<i>Metarhizium lepidotae</i>	4236	<i>Metarhizium anisopliae</i> sensu lato
4082	<i>Cordyceps militaris</i>	4155	<i>Metarhizium anisopliae</i> sensu lato	4237	Sterile mycelium
4083	<i>Cordyceps militaris</i>	4156	<i>Metarhizium anisopliae</i> sensu lato	4238	<i>Fusarium</i> sp.
4084	<i>Cordyceps militaris</i>	4157	<i>Metarhizium anisopliae</i> sensu lato	4239	<i>Metarhizium anisopliae</i> sensu lato
4085	<i>Cordyceps militaris</i>	4158	<i>Metarhizium brunneum</i>	4240	<i>Beauveria pseudobassiana</i>
4086	<i>Cordyceps militaris</i>	4159	<i>Metarhizium anisopliae</i> sensu lato	4241	<i>Metarhizium robertsii</i>
4087	<i>Cordyceps militaris</i>	4160	<i>Metarhizium anisopliae</i> sensu lato	4242	<i>Metarhizium anisopliae</i> sensu lato
4088	<i>Cordyceps militaris</i>	4161	<i>Metarhizium anisopliae</i> sensu lato	4243	Sterile mycelium
4089	<i>Cordyceps militaris</i>	4162	<i>Metarhizium anisopliae</i> sensu lato	4244	<i>Metarhizium anisopliae</i> sensu lato
4090	<i>Isaria farinosa</i>	4163	<i>Metarhizium anisopliae</i> sensu lato	4245	Mixed Culture sp.
4091	<i>Beauveria bassiana</i>	4164	<i>Metarhizium brunneum</i>	4246	<i>Metarhizium anisopliae</i> sensu lato
4092	<i>Beauveria bassiana</i>	4165	<i>Metarhizium</i> sp.	4247	<i>Metarhizium anisopliae</i> sensu lato
4093	<i>Beauveria bassiana</i>	4166	<i>Metarhizium anisopliae</i> sensu lato	4248	<i>Metarhizium anisopliae</i> sensu lato
4094	<i>Metarhizium rileyi</i>	4167	<i>Metarhizium anisopliae</i> sensu lato	4249	<i>Metarhizium anisopliae</i> sensu lato
4095	<i>Metarhizium anisopliae</i> sensu lato	4168	<i>Metarhizium brunneum</i>	4250	<i>Metarhizium anisopliae</i> sensu lato
4096	<i>Isaria tenuipes</i>	4169	<i>Metarhizium anisopliae</i> sensu lato	4251	<i>Metarhizium brunneum</i>
4097	<i>Isaria amoenerosea</i>	4170	<i>Metarhizium anisopliae</i> sensu lato	4252	<i>Metarhizium anisopliae</i> sensu lato
4098	<i>Aschersonia</i> sp.	4171	<i>Metarhizium anisopliae</i> sensu lato	4253	<i>Metarhizium anisopliae</i> sensu lato
4099	<i>Beauveria bassiana</i>	4172	<i>Metarhizium anisopliae</i> sensu lato	4254	<i>Beauveria pseudobassiana</i>
4100	<i>Beauveria bassiana</i>	4173	<i>Metarhizium anisopliae</i> sensu lato	4255	<i>Metarhizium anisopliae</i> sensu lato
4101	<i>Beauveria bassiana</i>	4174	<i>Metarhizium anisopliae</i> sensu lato	4256	<i>Metarhizium anisopliae</i> sensu lato
4103	<i>Aschersonia aleyrodis</i>	4175	<i>Metarhizium anisopliae</i> sensu lato	4257	<i>Metarhizium anisopliae</i> sensu lato
4104	<i>Aschersonia aleyrodis</i>	4176	<i>Metarhizium brunneum</i>	4258	<i>Beauveria bassiana</i>
4106	<i>Beauveria bassiana</i>	4177	<i>Metarhizium anisopliae</i> sensu lato	4259	<i>Metarhizium anisopliae</i> sensu lato
4107	<i>Beauveria bassiana</i>	4178	<i>Metarhizium anisopliae</i> sensu lato	4260	Mixed Culture sp.
4108	<i>Beauveria bassiana</i>	4179	<i>Metarhizium brunneum</i>	4261	<i>Beauveria pseudobassiana</i>
4109	<i>Beauveria bassiana</i>	4180	<i>Metarhizium anisopliae</i> sensu lato	4262	<i>Metarhizium anisopliae</i> sensu lato
4110	<i>Beauveria bassiana</i>	4181	<i>Metarhizium anisopliae</i> sensu lato	4263	<i>Penicillium</i> sp.
4111	<i>Beauveria bassiana</i>	4182	<i>Penicillium</i> sp.	4264	<i>Metarhizium anisopliae</i> sensu lato
4112	<i>Beauveria bassiana</i>	4183	<i>Metarhizium anisopliae</i> sensu lato	4265	<i>Metarhizium anisopliae</i> sensu lato
4113	<i>Beauveria bassiana</i>	4184	<i>Metarhizium anisopliae</i> sensu lato	4266	<i>Metarhizium anisopliae</i> sensu lato
4114	<i>Beauveria bassiana</i>	4185	<i>Metarhizium anisopliae</i> sensu lato	4267	<i>Metarhizium anisopliae</i> sensu lato

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4268	Metarhizium anisopliae sensu lato	4338	Metarhizium anisopliae sensu lato	4409	Isaria fumosorosea
4269	Metarhizium anisopliae sensu lato	4339	Metarhizium anisopliae sensu lato	4410	Isaria fumosorosea
4270	Metarhizium anisopliae sensu lato	4340	Metarhizium pingshaense	4411	Isaria fumosorosea
4271	Beauveria pseudobassiana	4341	Metarhizium anisopliae sensu lato	4412	Isaria farinosa
4272	Metarhizium flavoviride	4342	Metarhizium pingshaense	4413	Isaria fumosorosea
4273	Beauveria pseudobassiana	4343	Metarhizium anisopliae sensu lato	4414	Isaria fumosorosea
4274	Beauveria pseudobassiana	4344	Metarhizium anisopliae sensu lato	4415	Isaria fumosorosea
4275	Metarhizium anisopliae sensu lato	4345	Metarhizium anisopliae sensu lato	4416	Verticillium lecanii
4276	Beauveria bassiana	4346	Metarhizium anisopliae sensu lato	4417	Verticillium lecanii
4277	Metarhizium frigidum	4347	Metarhizium anisopliae sensu lato	4418	Verticillium lecanii
4278	Metarhizium anisopliae sensu lato	4348	Metarhizium anisopliae sensu lato	4419	Verticillium lecanii
4279	Metarhizium anisopliae sensu lato	4349	Metarhizium anisopliae sensu lato	4420	Verticillium lecanii
4280	Metarhizium anisopliae sensu lato	4350	Metarhizium anisopliae sensu lato	4421	Verticillium lecanii
4281	Metarhizium anisopliae sensu lato	4351	Metarhizium anisopliae sensu lato	4422	Verticillium lecanii
4282	Metarhizium anisopliae sensu lato	4352	Metarhizium anisopliae sensu lato	4423	Verticillium lecanii
4283	Metarhizium anisopliae sensu lato	4353	Beauveria pseudobassiana	4424	Aschersonia sp.
4284	Metarhizium anisopliae sensu lato	4354	Metarhizium anisopliae sensu lato	4426	Aschersonia sp.
4285	Beauveria pseudobassiana	4355	Metarhizium anisopliae sensu lato	4430	Aschersonia sp.
4286	Metarhizium anisopliae sensu lato	4356	Beauveria pseudobassiana	4431	Aschersonia sp.
4287	Metarhizium anisopliae sensu lato	4357	Metarhizium anisopliae sensu lato	4432	Aschersonia sp.
4288	Metarhizium anisopliae sensu lato	4358	Microhilum oncoperae	4433	Aschersonia sp.
4289	Beauveria bassiana	4359	Aspergillus clavatus	4434	Aschersonia sp.
4290	Metarhizium pingshaense	4360	Colletotrichum gloeosporioides	4435	Aschersonia sp.
4291	Metarhizium anisopliae sensu lato	4361	Cladosporium herbarum	4436	Aschersonia sp.
4292	Metarhizium anisopliae sensu lato	4362	Beauveria brongniartii	4437	Aschersonia sp.
4293	Metarhizium anisopliae sensu lato	4363	Beauveria brongniartii	4438	Aschersonia sp.
4294	Metarhizium frigidum	4364	Beauveria sp.	4439	Aschersonia sp.
4295	Metarhizium anisopliae sensu lato	4365	Beauveria sp.	4440	Aschersonia sp.
4296	Metarhizium anisopliae sensu lato	4366	Metarhizium pingshaense	4441	Aschersonia sp.
4297	Beauveria pseudobassiana	4367	Aspergillus sp.	4442	Aschersonia sp.
4298	Metarhizium anisopliae sensu lato	4368	Metarhizium sp.	4443	Aschersonia sp.
4299	Metarhizium anisopliae sensu lato	4369	Metarhizium pingshaense	4444	Aschersonia sp.
4300	Beauveria pseudobassiana	4370	Metarhizium sp.	4445	Aschersonia sp.
4301	Beauveria pseudobassiana	4371	Metarhizium sp.	4448	Aschersonia sp.
4302	Beauveria caledonica	4372	Metarhizium sp.	4449	Aschersonia sp.
4303	Metarhizium guizhouense	4373	Metarhizium sp.	4450	Metarhizium pingshaense
4304	Metarhizium flavoviride	4374	Metarhizium sp.	4452	Paecilomyces sp.
4305	Beauveria bassiana	4375	Metarhizium sp.	4453	Verticillium lecanii
4306	Metarhizium anisopliae sensu lato	4376	Sterile mycelium	4454	Verticillium lecanii
4307	Metarhizium anisopliae sensu lato	4377	Beauveria bassiana	4455	Verticillium lecanii
4308	Metarhizium anisopliae sensu lato	4378	Beauveria bassiana	4456	Verticillium lecanii
4309	Metarhizium anisopliae sensu lato	4379	Beauveria bassiana	4457	Verticillium lecanii
4310	Metarhizium anisopliae sensu lato	4380	Beauveria brongniartii	4458	Beauveria brongniartii
4311	Metarhizium anisopliae sensu lato	4381	Beauveria brongniartii	4459	Isaria fumosorosea
4312	Metarhizium anisopliae sensu lato	4382	Beauveria bassiana	4460	Isaria fumosorosea
4313	Metarhizium anisopliae sensu lato	4383	Isaria fumosorosea	4461	Isaria fumosorosea
4314	Metarhizium anisopliae sensu lato	4384	Beauveria asiatica	4462	Beauveria bassiana
4315	Metarhizium anisopliae sensu lato	4385	Beauveria brongniartii	4463	Beauveria bassiana
4316	Metarhizium anisopliae sensu lato	4386	Beauveria brongniartii	4464	Beauveria bassiana
4317	Metarhizium anisopliae sensu lato	4387	Mixed Culture sp.	4465	Beauveria brongniartii
4318	Metarhizium anisopliae sensu lato	4388	Beauveria brongniartii	4466	Beauveria brongniartii
4319	Metarhizium anisopliae sensu lato	4389	Beauveria brongniartii	4467	Beauveria brongniartii
4320	Beauveria pseudobassiana	4390	Beauveria sp.	4468	Beauveria brongniartii
4321	Metarhizium guizhouense	4391	Beauveria sp.	4469	Beauveria brongniartii
4322	Metarhizium anisopliae sensu lato	4392	Beauveria sp.	4470	Beauveria brongniartii
4323	Metarhizium anisopliae sensu lato	4393	Beauveria sp.	4471	Beauveria brongniartii
4324	Metarhizium anisopliae sensu lato	4394	Beauveria sp.	4472	Beauveria brongniartii
4325	Metarhizium anisopliae sensu lato	4395	Beauveria sp.	4473	Beauveria brongniartii
4326	Beauveria pseudobassiana	4396	Beauveria sp.	4474	Beauveria asiatica
4327	Metarhizium anisopliae sensu lato	4397	Beauveria sp.	4475	Beauveria brongniartii
4328	Metarhizium anisopliae sensu lato	4398	Verticillium sp.	4476	Beauveria brongniartii
4329	Metarhizium anisopliae sensu lato	4399	Verticillium sp.	4477	Beauveria brongniartii
4330	Metarhizium anisopliae sensu lato	4400	Isaria fumosorosea	4478	Beauveria brongniartii
4331	Metarhizium anisopliae sensu lato	4401	Isaria fumosorosea	4479	Isaria fumosorosea
4332	Metarhizium anisopliae sensu lato	4402	Verticillium sp.	4480	Isaria fumosorosea
4333	Metarhizium anisopliae sensu lato	4403	Mixed Culture sp.	4481	Isaria fumosorosea
4334	Metarhizium anisopliae sensu lato	4404	Isaria fumosorosea	4482	Isaria fumosorosea
4335	Metarhizium anisopliae sensu lato	4406	Isaria fumosorosea	4483	Isaria fumosorosea
4336	Metarhizium anisopliae sensu lato	4407	Isaria fumosorosea	4484	Isaria fumosorosea
4337	Metarhizium anisopliae sensu lato	4408	Isaria fumosorosea	4485	Isaria fumosorosea

4486	<i>Isaria fumosorosea</i>	4566	<i>Metarhizium majus</i>	4637	<i>Metarhizium anisopliae sensu lato</i>
4487	<i>Isaria fumosorosea</i>	4567	<i>Metarhizium anisopliae sensu lato</i>	4638	<i>Metarhizium anisopliae sensu lato</i>
4488	<i>Isaria fumosorosea</i>	4568	<i>Metarhizium anisopliae sensu lato</i>	4639	<i>Metarhizium anisopliae sensu lato</i>
4489	<i>Isaria fumosorosea</i>	4569	<i>Metarhizium anisopliae sensu lato</i>	4640	<i>Metarhizium anisopliae sensu lato</i>
4490	<i>Isaria fumosorosea</i>	4570	<i>Metarhizium anisopliae sensu lato</i>	4641	<i>Metarhizium anisopliae sensu lato</i>
4491	<i>Isaria fumosorosea</i>	4571	<i>Beauveria pseudobassiana</i>	4643	<i>Metarhizium anisopliae sensu lato</i>
4492	<i>Isaria fumosorosea</i>	4572	<i>Metarhizium anisopliae sensu lato</i>	4644	<i>Beauveria pseudobassiana</i>
4493	<i>Isaria fumosorosea</i>	4573	<i>Metarhizium anisopliae sensu lato</i>	4645	<i>Metarhizium anisopliae sensu lato</i>
4494	<i>Isaria fumosorosea</i>	4574	<i>Metarhizium anisopliae sensu lato</i>	4646	<i>Metarhizium anisopliae sensu lato</i>
4495	<i>Isaria fumosorosea</i>	4575	<i>Tolyposcladium inflatum</i>	4647	<i>Metarhizium anisopliae sensu lato</i>
4496	<i>Isaria fumosorosea</i>	4576	<i>Metarhizium anisopliae sensu lato</i>	4648	<i>Metarhizium anisopliae sensu lato</i>
4497	<i>Isaria fumosorosea</i>	4577	<i>Metarhizium anisopliae sensu lato</i>	4649	<i>Metarhizium anisopliae sensu lato</i>
4498	<i>Isaria fumosorosea</i>	4578	<i>Metarhizium anisopliae sensu lato</i>	4650	<i>Metarhizium anisopliae sensu lato</i>
4499	<i>Isaria fumosorosea</i>	4579	<i>Metarhizium anisopliae sensu lato</i>	4651	<i>Metarhizium anisopliae sensu lato</i>
4501	<i>Isaria fumosorosea</i>	4580	<i>Beauveria australis</i>	4652	<i>Metarhizium anisopliae sensu lato</i>
4502	<i>Isaria fumosorosea</i>	4581	<i>Metarhizium anisopliae sensu lato</i>	4653	<i>Metarhizium anisopliae sensu lato</i>
4503	<i>Isaria fumosorosea</i>	4582	<i>Metarhizium anisopliae sensu lato</i>	4654	<i>Metarhizium anisopliae sensu lato</i>
4504	<i>Entomophaga maimaiga</i>	4583	<i>Beauveria pseudobassiana</i>	4655	<i>Metarhizium anisopliae sensu lato</i>
4505	<i>Entomophaga maimaiga</i>	4584	<i>Metarhizium anisopliae sensu lato</i>	4657	<i>Metarhizium anisopliae sensu lato</i>
4506	<i>Entomophaga maimaiga</i>	4585	<i>Metarhizium anisopliae sensu lato</i>	4658	<i>Beauveria pseudobassiana</i>
4507	<i>Entomophaga maimaiga</i>	4586	<i>Metarhizium anisopliae sensu lato</i>	4660	<i>Metarhizium lepidiotae</i>
4508	<i>Entomophaga maimaiga</i>	4587	<i>Metarhizium lepidiotae</i>	4661	<i>Metarhizium novozealandicum</i>
4509	<i>Entomophaga maimaiga</i>	4588	<i>Metarhizium guizhouense</i>	4663	<i>Metarhizium anisopliae sensu lato</i>
4510	<i>Entomophaga maimaiga</i>	4589	<i>Beauveria bassiana</i>	4664	<i>Metarhizium anisopliae sensu lato</i>
4511	<i>Hirsutella sp.</i>	4590	<i>Metarhizium anisopliae sensu lato</i>	4665	<i>Metarhizium anisopliae sensu lato</i>
4512	<i>Hirsutella versicolor</i>	4591	<i>Metarhizium anisopliae sensu lato</i>	4666	<i>Penicillium sp.</i>
4513	<i>Hirsutella sp.</i>	4592	<i>Metarhizium anisopliae sensu lato</i>	4668	<i>Metarhizium anisopliae sensu lato</i>
4514	<i>Hirsutella sp.</i>	4593	<i>Metarhizium anisopliae sensu lato</i>	4669	<i>Metarhizium anisopliae sensu lato</i>
4515	<i>Hirsutella sp.</i>	4594	<i>Metarhizium anisopliae sensu lato</i>	4670	<i>Beauveria pseudobassiana</i>
4517	<i>Hirsutella cryptosclerotium</i>	4595	<i>Metarhizium anisopliae sensu lato</i>	4671	<i>Metarhizium anisopliae sensu lato</i>
4518	<i>Ophiocordyceps bisporus</i>	4596	<i>Metarhizium anisopliae sensu lato</i>	4672	<i>Beauveria bassiana</i>
4519	<i>Lecanicillium flavidum</i>	4598	<i>Beauveria australis</i>	4673	<i>Metarhizium anisopliae sensu lato</i>
4520	<i>Zoophthora radicans</i>	4599	<i>Metarhizium anisopliae sensu lato</i>	4674	<i>Metarhizium novozealandicum</i>
4522	<i>Metarhizium anisopliae sensu lato</i>	4600	<i>Metarhizium anisopliae sensu lato</i>	4676	<i>Metarhizium anisopliae sensu lato</i>
4523	<i>Beauveria bassiana</i>	4601	<i>Metarhizium majus</i>	4677	<i>Metarhizium anisopliae sensu lato</i>
4524	<i>Beauveria bassiana</i>	4602	<i>Metarhizium anisopliae sensu lato</i>	4678	<i>Metarhizium anisopliae sensu lato</i>
4525	<i>Beauveria bassiana</i>	4603	<i>Metarhizium anisopliae sensu lato</i>	4680	<i>Metarhizium frigidum</i>
4526	<i>Beauveria bassiana</i>	4604	<i>Metarhizium guizhouense</i>	4681	<i>Metarhizium brunneum</i>
4527	<i>Beauveria bassiana</i>	4605	<i>Metarhizium acridum</i>	4682	<i>Metarhizium anisopliae sensu lato</i>
4528	<i>Beauveria bassiana</i>	4606	<i>Metarhizium anisopliae sensu lato</i>	4683	<i>Metarhizium anisopliae sensu lato</i>
4529	<i>Beauveria bassiana</i>	4607	<i>Beauveria bassiana</i>	4684	<i>Metarhizium anisopliae sensu lato</i>
4530	<i>Beauveria bassiana</i>	4608	<i>Metarhizium anisopliae sensu lato</i>	4685	<i>Beauveria bassiana</i>
4531	<i>Beauveria bassiana</i>	4609	<i>Metarhizium anisopliae sensu lato</i>	4687	<i>Metarhizium anisopliae sensu lato</i>
4532	<i>Beauveria bassiana</i>	4610	<i>Metarhizium pingshaense</i>	4688	<i>Beauveria bassiana</i>
4533	<i>Beauveria bassiana</i>	4611	<i>Beauveria pseudobassiana</i>	4689	Unidentified / <i>Hyphomycetes</i>
4534	<i>Beauveria bassiana</i>	4612	<i>Beauveria pseudobassiana</i>	4690	Unidentified / <i>Hyphomycetes</i>
4535	<i>Beauveria bassiana</i>	4613	<i>Metarhizium anisopliae sensu lato</i>	4691	<i>Beauveria bassiana</i>
4536	<i>Beauveria bassiana</i>	4614	<i>Metarhizium anisopliae sensu lato</i>	4692	<i>Beauveria bassiana</i>
4537	<i>Beauveria bassiana</i>	4615	<i>Metarhizium brunneum</i>	4693	<i>Beauveria bassiana</i>
4538	<i>Beauveria bassiana</i>	4616	<i>Beauveria bassiana</i>	4694	<i>Beauveria bassiana</i>
4539	<i>Beauveria bassiana</i>	4617	<i>Metarhizium anisopliae sensu lato</i>	4695	<i>Beauveria bassiana</i>
4540	<i>Beauveria bassiana</i>	4618	<i>Metarhizium anisopliae sensu lato</i>	4696	<i>Beauveria bassiana</i>
4543	<i>Beauveria bassiana</i>	4619	<i>Metarhizium anisopliae sensu lato</i>	4697	<i>Beauveria bassiana</i>
4545	<i>Entomophaga maimaiga</i>	4620	<i>Metarhizium anisopliae sensu lato</i>	4698	<i>Isaria fumosorosea</i>
4549	<i>Entomophaga maimaiga</i>	4621	<i>Metarhizium robertsii</i>	4699	<i>Isaria fumosorosea</i>
4550	<i>Entomophaga maimaiga</i>	4622	<i>Beauveria australis</i>	4700	<i>Isaria fumosorosea</i>
4551	<i>Entomophaga maimaiga</i>	4623	<i>Metarhizium anisopliae sensu lato</i>	4701	<i>Isaria fumosorosea</i>
4552	<i>Entomophaga maimaiga</i>	4624	<i>Metarhizium anisopliae sensu lato</i>	4702	<i>Isaria fumosorosea</i>
4553	<i>Entomophaga maimaiga</i>	4625	<i>Metarhizium anisopliae sensu lato</i>	4703	<i>Isaria fumosorosea</i>
4554	<i>Entomophaga maimaiga</i>	4626	<i>Metarhizium anisopliae sensu lato</i>	4704	<i>Isaria fumosorosea</i>
4555	<i>Entomophaga maimaiga</i>	4627	<i>Metarhizium anisopliae sensu lato</i>	4705	<i>Isaria fumosorosea</i>
4556	<i>Metarhizium brunneum</i>	4628	<i>Metarhizium robertsii</i>	4706	<i>Isaria fumosorosea</i>
4557	<i>Metarhizium pingshaense</i>	4629	<i>Metarhizium anisopliae sensu lato</i>	4707	<i>Isaria fumosorosea</i>
4558	<i>Metarhizium anisopliae sensu lato</i>	4630	<i>Metarhizium anisopliae sensu lato</i>	4708	<i>Isaria fumosorosea</i>
4560	<i>Metarhizium anisopliae sensu lato</i>	4631	<i>Metarhizium anisopliae sensu lato</i>	4709	<i>Isaria fumosorosea</i>
4561	<i>Metarhizium frigidum</i>	4632	<i>Metarhizium anisopliae sensu lato</i>	4710	<i>Isaria fumosorosea</i>
4562	<i>Metarhizium anisopliae sensu lato</i>	4633	<i>Metarhizium anisopliae sensu lato</i>	4711	<i>Isaria fumosorosea</i>
4563	<i>Metarhizium anisopliae sensu lato</i>	4634	<i>Metarhizium anisopliae sensu lato</i>	4712	Sterile mycelium
4564	<i>Beauveria pseudobassiana</i>	4635	<i>Metarhizium anisopliae sensu lato</i>	4713	<i>Fusarium austroamericanum</i>
4565	<i>Metarhizium anisopliae sensu lato</i>	4636	<i>Metarhizium anisopliae sensu lato</i>	4714	<i>Fusarium sp.</i>

4715	<i>Fusarium meridionale</i>	4800	<i>Arthrobotrys cladodes</i> var. <i>macroides</i>	4875	<i>Cordyceps</i> sp.
4716	<i>Metarhizium anisopliae</i> sensu lato	4801	<i>Dactylella oxyspora</i>	4876	<i>Cordyceps</i> sp.
4717	<i>Metarhizium anisopliae</i> sensu lato	4802	<i>Monacrosporium thauasium</i>	4877	<i>Tolypocladium inflatum</i>
4718	<i>Metarhizium anisopliae</i> sensu lato	4803	<i>Monacrosporium ellipsosporum</i>	4878	<i>Tolypocladium inflatum</i>
4719	<i>Metarhizium flavoviride</i>	4804	<i>Arthrobotrys conoides</i>	4879	<i>Tolypocladium inflatum</i>
4720	<i>Metarhizium flavoviride</i>	4805	<i>Monacrosporium elegans</i>	4880	<i>Tolypocladium inflatum</i>
4721	<i>Beauveria pseudobassiana</i>	4806	<i>Monacrosporium thauasium</i>	4881	<i>Tolypocladium inflatum</i>
4722	<i>Metarhizium anisopliae</i> sensu lato	4807	<i>Monacrosporium elegans</i>	4882	<i>Tolypocladium inflatum</i>
4723	<i>Metarhizium anisopliae</i> sensu lato	4808	<i>Arthrobotrys amerospora</i>	4883	<i>Tolypocladium inflatum</i>
4724	<i>Metarhizium anisopliae</i> sensu lato	4809	<i>Arthrobotrys amerospora</i>	4884	<i>Tolypocladium inflatum</i>
4725	<i>Metarhizium anisopliae</i> sensu lato	4810	<i>Monacrosporium elegans</i>	4885	<i>Tolypocladium inflatum</i>
4726	<i>Metarhizium anisopliae</i> sensu lato	4811	<i>Gamsylella lobata</i>	4886	<i>Tolypocladium inflatum</i>
4727	<i>Metarhizium flavoviride</i>	4813	<i>Monacrosporium psychrophilum</i>	4887	<i>Tolypocladium inflatum</i>
4729	<i>Metarhizium flavoviride</i>	4815	<i>Arthrobotrys brochopaga</i>	4888	<i>Tolypocladium inflatum</i>
4730	<i>Metarhizium flavoviride</i>	4817	<i>Gamsylella gephyropaga</i>	4889	<i>Tolypocladium inflatum</i>
4731	<i>Metarhizium anisopliae</i> sensu lato	4819	<i>Metarhizium anisopliae</i> sensu lato	4890	<i>Tolypocladium inflatum</i>
4732	<i>Metarhizium anisopliae</i> sensu lato	4820	<i>Metarhizium anisopliae</i> sensu lato	4891	<i>Tolypocladium inflatum</i>
4733	<i>Metarhizium anisopliae</i> sensu lato	4821	<i>Metarhizium anisopliae</i> sensu lato	4892	<i>Tolypocladium inflatum</i>
4734	<i>Metarhizium anisopliae</i> sensu lato	4822	<i>Metarhizium anisopliae</i> sensu lato	4893	<i>Tolypocladium inflatum</i>
4735	<i>Metarhizium anisopliae</i> sensu lato	4823	<i>Metarhizium anisopliae</i> sensu lato	4894	<i>Tolypocladium inflatum</i>
4736	<i>Metarhizium anisopliae</i> sensu lato	4824	<i>Metarhizium anisopliae</i> sensu lato	4895	<i>Tolypocladium inflatum</i>
4737	<i>Metarhizium anisopliae</i> sensu lato	4825	<i>Fusarium commune</i>	4896	<i>Tolypocladium inflatum</i>
4738	<i>Metarhizium anisopliae</i> sensu lato	4826	<i>Elaphocordyceps ophioglossoides</i>	4897	<i>Tolypocladium inflatum</i>
4739	<i>Metarhizium robertsii</i>	4827	<i>Elaphocordyceps ophioglossoides</i>	4898	<i>Tolypocladium inflatum</i>
4740	<i>Metarhizium anisopliae</i> sensu lato	4828	<i>Elaphocordyceps ophioglossoides</i>	4899	Unidentified / <i>Hyphomycetes</i>
4741	<i>Beauveria pseudobassiana</i>	4829	<i>Elaphocordyceps ophioglossoides</i>	4900	Unidentified / <i>Hyphomycetes</i>
4742	<i>Paecilomyces</i> sp.	4830	<i>Elaphocordyceps ophioglossoides</i>	4901	<i>Metarhizium anisopliae</i> sensu lato
4743	<i>Metarhizium anisopliae</i> sensu lato	4831	<i>Elaphocordyceps ophioglossoides</i>	4902	<i>Metarhizium anisopliae</i> sensu lato
4744	<i>Beauveria bassiana</i>	4832	<i>Elaphocordyceps ophioglossoides</i>	4903	<i>Metarhizium robertsii</i>
4745	<i>Beauveria pseudobassiana</i>	4833	<i>Elaphocordyceps ophioglossoides</i>	4904	<i>Metarhizium anisopliae</i> sensu lato
4746	<i>Metarhizium anisopliae</i> sensu lato	4834	<i>Elaphocordyceps ophioglossoides</i>	4905	<i>Metarhizium anisopliae</i> sensu lato
4747	<i>Metarhizium anisopliae</i> sensu lato	4835	<i>Elaphocordyceps ophioglossoides</i>	4906	<i>Metarhizium anisopliae</i> sensu lato
4748	<i>Metarhizium anisopliae</i> sensu lato	4836	<i>Elaphocordyceps ophioglossoides</i>	4907	<i>Metarhizium anisopliae</i> sensu lato
4749	<i>Metarhizium anisopliae</i> sensu lato	4837	<i>Elaphocordyceps ophioglossoides</i>	4908	<i>Metarhizium anisopliae</i> sensu lato
4750	Sterile mycelium	4838	<i>Cordyceps militaris</i>	4909	<i>Beauveria</i> sp.
4751	<i>Phialophora</i> sp.	4839	<i>Cordyceps militaris</i>	4910	<i>Beauveria</i> sp.
4752	<i>Metarhizium anisopliae</i> sensu lato	4840	<i>Cordyceps militaris</i>	4911	<i>Beauveria</i> sp.
4753	<i>Metarhizium anisopliae</i> sensu lato	4841	<i>Cordyceps militaris</i>	4912	<i>Beauveria</i> sp.
4754	<i>Metarhizium anisopliae</i> sensu lato	4842	<i>Cordyceps militaris</i>	4913	<i>Beauveria</i> sp.
4755	<i>Beauveria malawiensis</i>	4843	<i>Ophiocordyceps bisporus</i>	4914	<i>Beauveria</i> sp.
4757	<i>Metarhizium anisopliae</i> sensu lato	4844	Unidentified sp.	4915	<i>Beauveria</i> sp.
4758	<i>Metarhizium anisopliae</i> sensu lato	4845	<i>Cordyceps militaris</i>	4916	<i>Beauveria</i> sp.
4759	<i>Metarhizium anisopliae</i> sensu lato	4846	<i>Cordyceps</i> sp.	4917	<i>Beauveria</i> sp.
4760	<i>Metarhizium anisopliae</i> sensu lato	4847	<i>Cordyceps militaris</i>	4918	<i>Beauveria</i> sp.
4761	<i>Metarhizium anisopliae</i> sensu lato	4848	<i>Cordyceps</i> sp.	4919	<i>Metarhizium robertsii</i>
4762	<i>Metarhizium anisopliae</i> sensu lato	4849	<i>Isaria amoenerosea</i>	4920	<i>Beauveria</i> sp.
4763	<i>Metarhizium anisopliae</i> sensu lato	4850	<i>Beauveria asiatica</i>	4921	Unidentified / <i>Hyphomycetes</i>
4764	<i>Metarhizium anisopliae</i> sensu lato	4851	<i>Cordyceps</i> sp.	4922	Unidentified / <i>Hyphomycetes</i>
4765	<i>Metarhizium frigidum</i>	4852	<i>Cordyceps</i> sp.	4923	Unidentified / <i>Hyphomycetes</i>
4766	<i>Metarhizium anisopliae</i> sensu lato	4853	<i>Beauveria</i> sp.	4924	Unidentified / <i>Hyphomycetes</i>
4769	<i>Microhilum oncoperae</i>	4854	<i>Cordyceps</i> sp.	4925	<i>Metarhizium anisopliae</i> sensu lato
4770	<i>Microhilum oncoperae</i>	4855	<i>Cordyceps</i> sp.	4926	<i>Metarhizium anisopliae</i> sensu lato
4771	<i>Microhilum oncoperae</i>	4856	<i>Cordyceps</i> sp.	4927	<i>Metarhizium anisopliae</i> sensu lato
4772	<i>Tolypocladium inflatum</i>	4857	<i>Cordyceps militaris</i>	4928	<i>Metarhizium anisopliae</i> sensu lato
4773	<i>Metarhizium anisopliae</i> sensu lato	4858	<i>Polycephalomyces ramosus</i>	4929	<i>Metarhizium anisopliae</i> sensu lato
4774	<i>Metarhizium anisopliae</i> sensu lato	4859	Unidentified sp.	4930	<i>Metarhizium anisopliae</i> sensu lato
4776	<i>Hirsutella</i> sp.	4860	Unidentified sp.	4931	Unidentified / <i>Hyphomycetes</i>
4777	<i>Metarhizium anisopliae</i> sensu lato	4861	Unidentified sp.	4932	Unidentified / <i>Hyphomycetes</i>
4778	<i>Metarhizium anisopliae</i> sensu lato	4862	<i>Metarhizium anisopliae</i> sensu lato	4933	<i>Beauveria pseudobassiana</i>
4779	<i>Metarhizium anisopliae</i> sensu lato	4863	<i>Fusarium</i> sp.	4934	<i>Pandora neoaphidis</i>
4780	<i>Metarhizium anisopliae</i> sensu lato	4864	<i>Fusarium</i> sp.	4936	<i>Cordyceps</i> sp.
4781	<i>Zoophtora radicans</i>	4865	<i>Metarhizium anisopliae</i> sensu lato	4937	<i>Arthrobotrys brochopaga</i>
4782	<i>Zoophtora radicans</i>	4866	<i>Beauveria bassiana</i>	4938	<i>Arthrobotrys musiformis</i>
4783	<i>Zoophtora radicans</i>	4867	<i>Lecanicillium psalliotae</i> (?)	4939	<i>Arthrobotrys oligospora</i>
4784	<i>Zoophtora radicans</i>	4869	<i>Cordyceps militaris</i>	4940	<i>Arthrobotrys superba</i>
4785	<i>Zoophtora radicans</i>	4870	<i>Cordyceps roseostromata</i>	4941	<i>Geniculifera paucispora</i>
4795	<i>Cladosporium</i> sp.	4871	<i>Cordyceps roseostromata</i>	4942	<i>Hirsutella rhossiliensis</i>
4797	<i>Conidiobolus coronatus</i>	4872	<i>Cordyceps roseostromata</i>	4943	<i>Monacrosporium cionopagum</i>
4798	<i>Beauveria bassiana</i>	4873	<i>Cordyceps militaris</i>	4944	<i>Monacrosporium doedycoides</i>
4799	<i>Beauveria bassiana</i>	4874	<i>Cordyceps militaris</i>	4945	<i>Monacrosporium eudematum</i>

4946	<i>Monacrosporium parvicolle</i>	5021	<i>Cordyceps militaris</i>	5095	<i>Paecilomyces</i> sp.
4947	<i>Nematoctonus concurrens</i>	5022	<i>Cordyceps militaris</i>	5096	<i>Paecilomyces</i> sp.
4948	<i>Entomophaga macleodii</i>	5023	<i>Cordyceps militaris</i>	5097	<i>Paecilomyces</i> sp.
4949	<i>Entomophaga macleodii</i>	5024	<i>Cordyceps militaris</i>	5098	<i>Paecilomyces</i> sp.
4950	<i>Entomophaga macleodii</i>	5025	<i>Cordyceps militaris</i>	5099	<i>Paecilomyces</i> sp.
4951	<i>Entomophaga macleodii</i>	5026	<i>Cordyceps militaris</i>	5100	<i>Paecilomyces</i> sp.
4952	<i>Entomophaga macleodii</i>	5027	<i>Cordyceps militaris</i>	5101	<i>Paecilomyces</i> sp.
4953	<i>Entomophaga macleodii</i>	5028	<i>Cordyceps militaris</i>	5102	<i>Paecilomyces</i> sp.
4954	<i>Harposporium anguillulae</i>	5029	<i>Cordyceps militaris</i>	5103	<i>Paecilomyces</i> sp.
4955	<i>Drechlerella dactyloides</i>	5030	<i>Cordyceps militaris</i>	5104	<i>Paecilomyces</i> sp.
4956	<i>Fusarium</i> sp.	5031	<i>Cordyceps militaris</i>	5105	<i>Paecilomyces</i> sp.
4957	<i>Monacrosporium ellipsosporum</i>	5032	<i>Cordyceps militaris</i>	5106	<i>Paecilomyces</i> sp.
4959	<i>Monacrosporium ellipsosporum</i>	5033	<i>Cordyceps militaris</i>	5107	<i>Isaria fumosorosea</i>
4960	<i>Lecanicillium psalliotae</i>	5034	<i>Cordyceps militaris</i>	5108	<i>Paecilomyces</i> sp.
4962	<i>Fusarium</i> sp.	5035	<i>Cordyceps militaris</i>	5109	<i>Paecilomyces</i> sp.
4963	<i>Fusarium oxysporum</i>	5036	<i>Cordyceps militaris</i>	5110	<i>Paecilomyces</i> sp.
4964	<i>Fusarium oxysporum</i>	5037	<i>Cordyceps militaris</i>	5111	<i>Paecilomyces</i> sp.
4965	<i>Lecanicillium psalliotae</i>	5038	<i>Cordyceps militaris</i>	5112	<i>Paecilomyces</i> sp.
4966	<i>Monacrosporium cionopagum</i>	5039	<i>Cordyceps militaris</i>	5113	<i>Isaria fumosorosea</i>
4967	<i>Arthrobotrys oligospora</i>	5040	<i>Cordyceps militaris</i>	5114	<i>Paecilomyces</i> sp.
4968	<i>Conidiobolus thromboides</i>	5041	<i>Cordyceps militaris</i>	5115	<i>Isaria fumosorosea</i>
4969	<i>Fusarium</i> sp.	5042	<i>Cordyceps militaris</i>	5116	<i>Isaria fumosorosea</i>
4970	Unidentified / <i>Zygomycetes</i>	5043	<i>Cordyceps militaris</i>	5117	<i>Isaria fumosorosea</i>
4971	Unidentified / <i>Zygomycetes</i>	5044	<i>Cordyceps militaris</i>	5118	<i>Isaria fumosorosea</i>
4972	<i>Syngliocladium tetanopsis</i>	5045	<i>Cordyceps militaris</i>	5119	<i>Isaria fumosorosea</i>
4973	<i>Beauveria bassiana</i>	5046	<i>Cordyceps militaris</i>	5121	<i>Isaria fumosorosea</i>
4974	<i>Beauveria bassiana</i>	5047	<i>Cordyceps militaris</i>	5122	<i>Isaria fumosorosea</i>
4975	<i>Beauveria bassiana</i>	5048	<i>Cordyceps militaris</i>	5123	<i>Harposporium cerberi</i>
4976	<i>Beauveria bassiana</i>	5049	<i>Cordyceps militaris</i>	5126	<i>Lecanicillium longisporum</i>
4977	<i>Beauveria bassiana</i>	5050	<i>Cordyceps militaris</i>	5127	<i>Verticillium lecanii</i>
4978	<i>Beauveria bassiana</i>	5051	<i>Cordyceps militaris</i>	5128	<i>Lecanicillium muscarium</i>
4979	<i>Beauveria bassiana</i>	5052	<i>Cordyceps militaris</i>	5129	<i>Verticillium lecanii</i>
4981	<i>Beauveria bassiana</i>	5053	<i>Cordyceps militaris</i>	5130	<i>Verticillium lecanii</i>
4982	<i>Beauveria bassiana</i>	5054	<i>Cordyceps militaris</i>	5131	<i>Verticillium lecanii</i>
4983	<i>Beauveria bassiana</i>	5055	<i>Cordyceps militaris</i>	5132	<i>Verticillium lecanii</i>
4984	<i>Beauveria bassiana</i>	5056	<i>Cordyceps militaris</i>	5133	<i>Verticillium lecanii</i>
4985	<i>Paecilomyces</i> sp.	5057	<i>Cordyceps militaris</i>	5134	<i>Isaria tenuipes</i>
4986	<i>Paecilomyces</i> sp.	5058	<i>Cordyceps militaris</i>	5135	<i>Isaria tenuipes</i>
4987	<i>Paecilomyces</i> sp.	5059	<i>Cordyceps militaris</i>	5136	<i>Lecanicillium lecanii</i> (?)
4988	<i>Paecilomyces</i> sp.	5060	<i>Cordyceps militaris</i>	5137	<i>Lecanicillium lecanii</i> (?)
4989	<i>Paecilomyces</i> sp.	5061	<i>Cordyceps militaris</i>	5138	<i>Lecanicillium lecanii</i> (?)
4990	<i>Beauveria amorpha</i>	5062	<i>Cordyceps militaris</i>	5139	<i>Metarhizium</i> sp.
4992	<i>Beauveria brongniartii</i>	5064	<i>Beauveria bassiana</i>	5140	<i>Ascosphaera duoformis</i>
4993	<i>Beauveria brongniartii</i>	5066	<i>Beauveria bassiana</i>	5141	<i>Ascosphaera duoformis</i>
4994	<i>Beauveria brongniartii</i>	5067	<i>Beauveria bassiana</i>	5142	<i>Ascosphaera apis</i>
4995	<i>Beauveria brongniartii</i>	5069	<i>Beauveria bassiana</i>	5143	<i>Ascosphaera arienoides</i>
4997	<i>Metarhizium</i> sp.	5070	<i>Beauveria pseudobassiana</i>	5144	<i>Ascosphaera flava</i>
4998	<i>Metarhizium</i> sp.	5071	<i>Beauveria bassiana</i>	5145	<i>Ascosphaera subcuticulata</i>
4999	<i>Metarhizium</i> sp.	5072	<i>Beauveria bassiana</i>	5146	<i>Ascosphaera solina</i>
5000	<i>Metarhizium</i> sp.	5073	<i>Isaria farinosa</i>	5147	<i>Ascosphaera atra</i>
5001	<i>Metarhizium</i> sp.	5074	<i>Isaria farinosa</i>	5148	<i>Beauveria bassiana</i>
5002	<i>Cordyceps militaris</i>	5075	<i>Isaria farinosa</i>	5149	<i>Metarhizium robertsii</i>
5003	<i>Cordyceps militaris</i>	5076	<i>Metarhizium</i> sp.	5150	<i>Beauveria bassiana</i>
5004	<i>Cordyceps militaris</i>	5077	<i>Metarhizium</i> sp.	5151	<i>Ascosphaera duoformis</i>
5005	<i>Cordyceps militaris</i>	5078	<i>Beauveria</i> sp.	5152	<i>Ascosphaera duoformis</i>
5006	<i>Cordyceps militaris</i>	5080	<i>Isaria farinosa</i>	5153	<i>Verticillium lecanii</i>
5007	<i>Cordyceps militaris</i>	5081	<i>Isaria farinosa</i>	5154	<i>Isaria fumosorosea</i>
5008	<i>Cordyceps militaris</i>	5082	<i>Isaria farinosa</i>	5155	<i>Isaria fumosorosea</i>
5009	<i>Cordyceps militaris</i>	5083	<i>Isaria farinosa</i>	5156	<i>Isaria fumosorosea</i>
5010	<i>Cordyceps militaris</i>	5084	<i>Isaria farinosa</i>	5157	<i>Isaria fumosorosea</i>
5011	<i>Cordyceps militaris</i>	5085	<i>Isaria fumosorosea</i>	5158	<i>Isaria fumosorosea</i>
5012	<i>Cordyceps militaris</i>	5086	<i>Isaria fumosorosea</i>	5159	<i>Isaria fumosorosea</i>
5013	<i>Cordyceps militaris</i>	5087	<i>Isaria fumosorosea</i>	5160	<i>Paecilomyces</i> sp.
5014	<i>Cordyceps militaris</i>	5088	<i>Isaria fumosorosea</i>	5161	<i>Metarhizium anisopliae sensu lato</i>
5015	<i>Cordyceps militaris</i>	5089	<i>Isaria fumosorosea</i>	5162	<i>Conidiobolus coronatus</i>
5016	<i>Cordyceps militaris</i>	5090	<i>Isaria fumosorosea</i>	5163	<i>Ostracoderma</i> sp.
5017	<i>Cordyceps militaris</i>	5091	<i>Paecilomyces</i> sp.	5164	<i>Scopulariopsis</i> sp.
5018	<i>Cordyceps militaris</i>	5092	<i>Paecilomyces</i> sp.	5165	<i>Lecanicillium muscarium</i>
5019	<i>Cordyceps militaris</i>	5093	<i>Paecilomyces</i> sp.	5166	<i>Verticillium lecanii</i>
5020	<i>Cordyceps militaris</i>	5094	<i>Paecilomyces</i> sp.	5167	<i>Verticillium lecanii</i>

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5168	<i>Verticillium lecanii</i>	5249	<i>Lecanicillium psalliotae</i>	5319	<i>Isaria fumosorosea</i>
5169	<i>Beauveria bassiana</i>	5250	<i>Verticillium epiphytum</i>	5320	<i>Isaria fumosorosea</i>
5170	<i>Beauveria bassiana</i>	5251	<i>Isaria fumosorosea</i>	5321	<i>Isaria javanica</i>
5171	<i>Beauveria bassiana</i>	5252	<i>Isaria fumosorosea</i>	5322	<i>Isaria fumosorosea</i>
5172	<i>Beauveria bassiana</i>	5253	<i>Isaria fumosorosea</i>	5323	<i>Isaria fumosorosea</i>
5173	<i>Beauveria bassiana</i>	5254	<i>Isaria fumosorosea</i>	5324	<i>Isaria fumosorosea</i>
5174	<i>Beauveria</i> sp.	5255	<i>Isaria fumosorosea</i>	5325	<i>Isaria fumosorosea</i>
5175	<i>Gliocladium</i> sp.	5256	<i>Isaria fumosorosea</i>	5326	<i>Isaria fumosorosea</i>
5176	<i>Trichoderma lignorum</i>	5257	<i>Isaria fumosorosea</i>	5327	<i>Isaria fumosorosea</i>
5178	<i>Isaria farinosa</i>	5258	<i>Isaria fumosorosea</i>	5328	<i>Isaria fumosorosea</i>
5179	<i>Paecilomyces</i> sp.	5259	<i>Isaria javanica</i>	5329	<i>Isaria fumosorosea</i>
5180	<i>Paecilomyces</i> sp.	5260	<i>Isaria fumosorosea</i>	5330	<i>Isaria fumosorosea</i>
5181	<i>Paecilomyces</i> sp.	5261	<i>Isaria fumosorosea</i>	5331	<i>Isaria fumosorosea</i>
5182	<i>Beauveria bassiana</i> (?)	5262	<i>Isaria fumosorosea</i>	5332	<i>Fusarium</i> sp.
5183	<i>Paecilomyces</i> sp.	5263	<i>Isaria fumosorosea</i>	5335	<i>Penicillium</i> sp.
5184	<i>Paecilomyces</i> sp.	5264	<i>Isaria fumosorosea</i>	5336	<i>Basidiobolus</i> sp.
5185	<i>Paecilomyces</i> sp.	5265	<i>Isaria fumosorosea</i>	5338	<i>Mariannaea elegans</i>
5186	<i>Beauveria</i> sp.	5266	<i>Isaria fumosorosea</i>	5339	<i>Beauveria bassiana</i>
5187	<i>Beauveria</i> sp.	5267	<i>Isaria fumosorosea</i>	5340	<i>Beauveria bassiana</i>
5188	Mixed Culture sp.	5268	<i>Isaria fumosorosea</i>	5341	<i>Beauveria bassiana</i>
5189	<i>Paecilomyces</i> sp.	5269	<i>Isaria fumosorosea</i>	5342	<i>Beauveria bassiana</i>
5190	<i>Paecilomyces</i> sp.	5270	<i>Isaria fumosorosea</i>	5343	<i>Beauveria bassiana</i>
5191	<i>Isaria farinosa</i>	5271	<i>Isaria fumosorosea</i>	5344	<i>Beauveria bassiana</i>
5192	<i>Paecilomyces</i> sp.	5272	<i>Isaria fumosorosea</i>	5345	<i>Beauveria bassiana</i>
5193	<i>Paecilomyces</i> sp.	5273	<i>Beauveria bassiana</i>	5346	<i>Beauveria bassiana</i>
5194	<i>Isaria farinosa</i>	5274	<i>Beauveria bassiana</i>	5347	<i>Beauveria bassiana</i>
5195	<i>Beauveria bassiana</i>	5275	<i>Beauveria bassiana</i>	5348	<i>Entomophthora schizophorae</i>
5197	<i>Metarhizium pingshaense</i>	5276	<i>Beauveria bassiana</i>	5349	<i>Mariannaea elegans</i>
5198	<i>Metarhizium brunneum</i>	5277	<i>Beauveria bassiana</i>	5350	<i>Mariannaea elegans</i>
5199	Unidentified / <i>Hyphomycetes</i>	5278	<i>Beauveria bassiana</i>	5351	
5200	<i>Smittium culisetae</i>	5279	<i>Beauveria bassiana</i>	5352	<i>Erynia</i> sp.
5201	<i>Neozygites floridana</i> (?)	5280	<i>Beauveria bassiana</i>	5353	<i>Polycephalomyces tomentosus</i>
5202	<i>Neozygites floridana</i> (?)	5281	<i>Beauveria bassiana</i>	5354	<i>Harposporium helicoides</i>
5205	<i>Aspergillus</i> sp.	5282	<i>Beauveria bassiana</i>	5355	<i>Beauveria brongniartii</i>
5208	<i>Metarhizium rileyi</i>	5283	<i>Beauveria bassiana</i>	5356	<i>Beauveria brongniartii</i>
5209	<i>Metarhizium rileyi</i>	5284	<i>Beauveria bassiana</i>	5357	<i>Beauveria brongniartii</i>
5210	<i>Metarhizium rileyi</i>	5285	<i>Beauveria bassiana</i>	5358	<i>Beauveria brongniartii</i>
5211	<i>Metarhizium rileyi</i>	5286	<i>Beauveria bassiana</i>	5359	<i>Beauveria brongniartii</i>
5212	<i>Metarhizium rileyi</i>	5287	<i>Beauveria bassiana</i>	5360	<i>Beauveria brongniartii</i>
5215	<i>Aschersonia</i> sp.	5288	<i>Beauveria bassiana</i>	5361	<i>Beauveria brongniartii</i>
5216	<i>Aschersonia</i> sp.	5289	<i>Beauveria bassiana</i>	5362	<i>Beauveria brongniartii</i>
5217	<i>Syngliocladium</i> sp.	5290	<i>Beauveria bassiana</i>	5363	<i>Beauveria brongniartii</i>
5218	<i>Tolyptocladium lignicola</i>	5291	<i>Beauveria bassiana</i>	5364	<i>Beauveria brongniartii</i>
5219	<i>Fusarium</i> sp.	5292	<i>Beauveria bassiana</i>	5365	<i>Ophiocordyceps variabilis</i>
5220	<i>Lecanicillium muscarium</i>	5293	<i>Beauveria bassiana</i>	5366	<i>Ophiocordyceps variabilis</i>
5221	<i>Verticillium lecanii</i>	5294	<i>Beauveria bassiana</i>	5367	<i>Ophiocordyceps variabilis</i>
5222	<i>Sporodiniella umbellata</i>	5295	<i>Beauveria bassiana</i>	5368	<i>Isaria farinosa</i>
5223	Unidentified / <i>Hyphomycetes</i>	5296	<i>Beauveria bassiana</i>	5369	<i>Metarhizium anisopliae sensu lato</i>
5224	Unidentified / <i>Hyphomycetes</i>	5297	<i>Isaria fumosorosea</i>	5370	<i>Beauveria pseudobassiana</i>
5225	Unidentified / <i>Hyphomycetes</i>	5298	<i>Isaria fumosorosea</i>	5371	<i>Pandora neoaphidis</i>
5226	Unidentified / <i>Hyphomycetes</i>	5299	<i>Isaria fumosorosea</i>	5372	<i>Pandora neoaphidis</i>
5227	Unidentified / <i>Hyphomycetes</i>	5300	<i>Isaria fumosorosea</i>	5373	<i>Pandora neoaphidis</i>
5229	<i>Beauveria bassiana</i>	5301	<i>Isaria fumosorosea</i>	5374	<i>Pandora neoaphidis</i>
5230	<i>Beauveria bassiana</i>	5302	<i>Isaria fumosorosea</i>	5375	<i>Syspastospora parasitica</i>
5231	<i>Beauveria bassiana</i>	5303	<i>Isaria fumosorosea</i>	5376	<i>Neozygites floridana</i> (?)
5233	<i>Beauveria bassiana</i>	5304	<i>Isaria fumosorosea</i>	5377	<i>Entomophaga maimaiga</i>
5234	<i>Beauveria bassiana</i>	5305	<i>Isaria fumosorosea</i>	5378	<i>Entomophaga maimaiga</i>
5235	<i>Beauveria bassiana</i>	5306	<i>Isaria farinosa</i>	5379	<i>Entomophaga maimaiga</i>
5237	Unidentified / <i>Hyphomycetes</i>	5307	<i>Isaria fumosorosea</i>	5380	<i>Entomophaga maimaiga</i>
5238	Unidentified / <i>Hyphomycetes</i>	5308	<i>Isaria fumosorosea</i>	5381	<i>Entomophaga maimaiga</i>
5239	Unidentified / <i>Hyphomycetes</i>	5309	<i>Isaria fumosorosea</i>	5382	<i>Entomophaga maimaiga</i>
5240	Unidentified / <i>Hyphomycetes</i>	5310	<i>Isaria fumosorosea</i>	5383	<i>Entomophaga maimaiga</i>
5241	Unidentified / <i>Hyphomycetes</i>	5311	<i>Isaria fumosorosea</i>	5384	<i>Entomophaga maimaiga</i>
5242	Unidentified / <i>Hyphomycetes</i>	5312	<i>Isaria fumosorosea</i>	5385	<i>Entomophaga maimaiga</i>
5243	Unidentified / <i>Hyphomycetes</i>	5313	<i>Isaria fumosorosea</i>	5386	<i>Entomophaga maimaiga</i>
5244	Unidentified / <i>Hyphomycetes</i>	5314	<i>Isaria fumosorosea</i>	5387	<i>Entomophaga maimaiga</i>
5245	Unidentified / <i>Hyphomycetes</i>	5315	<i>Isaria fumosorosea</i>	5388	<i>Entomophaga maimaiga</i>
5246	Unidentified / <i>Hyphomycetes</i>	5316	<i>Isaria fumosorosea</i>	5389	<i>Entomophaga maimaiga</i>
5247	Unidentified / <i>Hyphomycetes</i>	5317	<i>Isaria fumosorosea</i>	5390	<i>Entomophaga maimaiga</i>
5248	Unidentified / <i>Hyphomycetes</i>	5318	<i>Isaria fumosorosea</i>	5391	<i>Entomophaga maimaiga</i>

5392 Entomophaga maimaiga	5461 Fusarium sp.	5537 Beauveria bassiana
5393 Entomophaga maimaiga	5462 Isaria fumosorosea	5538 Tolyposcladium cylindrosporium
5394 Entomophaga maimaiga	5463 Isaria fumosorosea	5539 Hirsutella illustris
5395 Entomophaga maimaiga	5464 Isaria fumosorosea	5540 Isaria fumosorosea
5396 Entomophaga maimaiga	5465 Beauveria bassiana	5541 Furia gastropachae
5397 Entomophaga maimaiga	5466 Beauveria bassiana	5542 Furia gastropachae
5398 Entomophaga maimaiga	5467 Beauveria bassiana	5543 Furia gastropachae
5399 Entomophaga maimaiga	5469 Metarhizium anisopliae sensu lato	5544 Furia gastropachae
5400 Entomophaga maimaiga	5470 Aspergillus parasiticus	5545 Furia gastropachae
5401 Entomophaga maimaiga	5471 Metarhizium anisopliae sensu stricto	5546 Furia gastropachae
5402 Paecilomyces sp.	5472 Atricordyceps harposporifera	5547 Furia gastropachae
5403 Pandora neoaphidis	5473 Hirsutella nodulosa	5548 Isaria farinosa
5404 Conidiobolus sp.	5474 Hirsutella fusiformis	5549 Hirsutella necatrix
5405 Conidiobolus sp.	5475 Isaria fumosorosea	5550 Hirsutella kirchneri
5406 Conidiobolus sp.	5476 Isaria fumosorosea	5551 Hirsutella kirchneri
5407 Harposporium anguillulae	5477 Beauveria bassiana	5552 Batkoa apiculata
5408 Harposporium anguillulae	5478 Beauveria bassiana	5553 Beauveria bassiana
5409 Harposporium anguillulae	5479 Beauveria bassiana	5554 Metarhizium anisopliae sensu lato
5410 Harposporium sp.	5480 Beauveria bassiana	5555 Metarhizium anisopliae sensu lato
5411 Arthrobotrys oligospora	5481 Beauveria bassiana	5556 Metarhizium anisopliae sensu lato
5412 Hirsutella thompsonii var. syn-nematosa	5482 Beauveria bassiana	5557 Beauveria pseudobassiana
5413 Mariannaea pruinosa	5483 Beauveria bassiana	5558 Tolyposcladium cylindrosporium
5414 Ophiocordyceps variabilis	5484 Beauveria bassiana	5559 Tolyposcladium cylindrosporium
5415 Ophiocordyceps variabilis	5485 Beauveria bassiana	5560 Fusarium sp.
5416 Ophiocordyceps variabilis	5486 Beauveria bassiana	5561 Arthrobotrys oligospora
5417 Ophiocordyceps variabilis	5487 Beauveria bassiana	5562 Arthrobotrys oligospora
5418 Ophiocordyceps variabilis	5488 Beauveria bassiana	5563 Entomophaga maimaiga
5419 Ophiocordyceps variabilis	5489 Beauveria bassiana	5564 Entomophaga maimaiga
5420 Ophiocordyceps variabilis	5490 Beauveria bassiana	5565 Entomophaga maimaiga
5421 Ophiocordyceps variabilis	5491 Verticillium lecanii	5566 Entomophaga maimaiga
5422 Ophiocordyceps variabilis	5492 Beauveria bassiana	5567 Entomophaga maimaiga
5423 Ophiocordyceps variabilis	5493 Beauveria bassiana	5568 Entomophaga maimaiga
5424 Ophiocordyceps variabilis	5494 Beauveria bassiana	5569 Entomophaga maimaiga
5425 Ophiocordyceps variabilis	5495 Beauveria bassiana	5570 Entomophaga maimaiga
5426 Ophiocordyceps variabilis	5496 Beauveria bassiana	5571 Entomophaga maimaiga
5427 Ophiocordyceps variabilis	5497 Syngliocladium tetanopsis	5572 Entomophaga maimaiga
5428 Ophiocordyceps variabilis	5498 Ophiocordyceps aphodii	5573 Beauveria bassiana
5429 Ophiocordyceps variabilis	5499 Leptoglenia chapmanii	5574 Escovopsis sp.
5430 Smittium culisetae	5500 Beauveria bassiana	5575 Escovopsis aspergilloides
5431 Smittium culicis	5501 Beauveria bassiana	5576 Escovopsis weberi
5432 Smittium culicis	5502 Beauveria bassiana	5577 Syngliocladium tetanopsis
5433 Drechslerella dactyloides	5503 Aspergillus flavus(?)	5578 Lecanicillium fusisporum(?)
5434 Arthrobotrys thaumasia	5504 Aspergillus flavus(?)	5579 Lecanicillium fusisporum(?)
5435 Arthrobotrys haptotyla	5505 Aspergillus flavus(?)	5580 Lecanicillium lecanii(?)
5436 Beauveria bassiana	5506 Aspergillus flavus(?)	5581 Lecanicillium lecanii(?)
5437 Beauveria bassiana	5507 Aspergillus flavus(?)	5582 Lecanicillium psalliotae
5438 Beauveria bassiana	5508 Aspergillus flavus(?)	5583 Lecanicillium fusisporum
5439 Beauveria bassiana	5509 Aspergillus flavus(?)	5584 Lecanicillium lecanii(?)
5440 Beauveria bassiana	5510 Beauveria bassiana	5585 Lecanicillium lecanii(?)
5441 Beauveria bassiana	5513 Metarhizium anisopliae sensu lato	5586 Drechslerella dactyloides
5442 Beauveria bassiana	5514 Metarhizium anisopliae sensu lato	5587 Drechslerella dactyloides
5443 Beauveria bassiana	5515 Metarhizium anisopliae sensu lato	5588 Dactylaria candida
5444 Beauveria bassiana	5516 Metarhizium anisopliae sensu lato	5589 Dactylella aphrobrocha
5445 Beauveria bassiana	5517 Metarhizium anisopliae sensu lato	5590 Dactylella leptospora
5446 Beauveria bassiana	5518 Metarhizium anisopliae sensu lato	5591 Drechmeria coniospora
5447 Beauveria bassiana	5519 Metarhizium anisopliae sensu lato	5592 Drechmeria coniospora
5448 Beauveria bassiana	5520 Metarhizium anisopliae sensu lato	5593 Harposporium anguillulae
5449 Beauveria bassiana	5521 Metarhizium anisopliae sensu lato	5594 Harposporium anguillulae
5450 Beauveria bassiana	5525 Tolyposcladium cylindrosporium	5595 Harposporium anguillulae
5451 Beauveria bassiana	5526 Tolyposcladium cylindrosporium	5596 Harposporium arcuatum
5452 Beauveria bassiana	5527 Tolyposcladium cylindrosporium	5597 Harposporium arcuatum
5453 Beauveria bassiana	5528 Tolyposcladium cylindrosporium	5598 Harposporium arcuatum
5454 Beauveria bassiana	5529 Tolyposcladium cylindrosporium	5599 Harposporium cycloides
5455 Beauveria bassiana	5530 Tolyposcladium cylindrosporium	5600 Harposporium cycloides
5456 Beauveria bassiana	5531 Tolyposcladium cylindrosporium	5601 Harposporium janus
5457 Beauveria bassiana	5532 Tolyposcladium cylindrosporium	5602 Harposporium leptospira
5458 Beauveria bassiana	5533 Beauveria bassiana	5603 Harposporium leptospira
5459 Beauveria bassiana	5534 Beauveria bassiana	5604 Harposporium lilliputanum
5460 Beauveria bassiana	5535 Beauveria bassiana	5605 Harposporium subuliforme
	5536 Beauveria bassiana	5606 Nematoctonus leiosporus

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5607	<i>Nematoctonus leptosporus</i>	5677	Unidentified / <i>Hyphomycetes</i>	5747	<i>Metarhizium acridum</i>
5608	<i>Plesiospora globosa</i>	5678	<i>Beauveria pseudobassiana</i>	5748	<i>Metarhizium acridum</i>
5609	<i>Rotiferophthora amamiensis</i>	5679	<i>Isaria farinosa</i>	5749	<i>Metarhizium anisopliae sensu lato</i>
5610	<i>Rotiferophthora angustispora</i>	5680	<i>Fusarium sp.</i>	5750	<i>Metarhizium acridum</i>
5611	<i>Rotiferophthora japonica</i>	5681	<i>Lecanicillium psalliotae</i>	5751	<i>Metarhizium brunneum</i>
5612	<i>Rotiferophthora lacrima</i>	5682	<i>Fusarium sp.</i>	5752	<i>Metarhizium anisopliae sensu lato</i>
5613	<i>Rotiferophthora minutispora</i>	5683	<i>Lecanicillium psalliotae</i>	5753	<i>Beauveria bassiana</i>
5614	<i>Rotiferophthora denticulospora</i>	5684	<i>Beauveria bassiana(?)</i>	5754	<i>Isaria farinosa</i>
5615	<i>Tolypocladium lignicola</i>	5685	<i>Lecanicillium psalliotae</i>	5755	<i>Fusarium sp.</i>
5616	<i>Metapochonia microbactrospora</i>	5686	<i>Beauveria sp.</i>	5756	<i>Aphanocladium album</i>
5617	<i>Haptocillium balanoides</i>	5687	<i>Verticillium pseudohepiterigenum</i>	5757	<i>Fusarium sp.</i>
5618	<i>Haptocillium sinense</i>	5688	<i>Cordyceps isarioides</i>	5758	<i>Cylindrocarpon sp.</i>
5619	<i>Metapochonia microbactrospora</i>	5689	<i>Beauveria sungii</i>	5759	<i>Lecanicillium lecanii</i>
5620	<i>Neozygites parvispora</i>	5690	<i>Cordyceps bifusispora</i>	5760	<i>Isaria farinosa</i>
5621	<i>Neozygites parvispora</i>	5691	<i>Cordyceps ochraceostromata</i>	5761	<i>Isaria farinosa</i>
5622	<i>Beauveria pseudobassiana</i>	5692	<i>Cordyceps agriota</i>	5762	<i>Beauveria bassiana</i>
5623	<i>Beauveria bassiana</i>	5693	<i>Cordyceps pruinosa</i>	5763	<i>Lecanicillium psalliotae</i>
5624	<i>Metarhizium anisopliae sensu lato</i>	5694	<i>Isaria fumosorosea</i>	5764	<i>Paraisaria dubia</i>
5625	<i>Metarhizium brunneum</i>	5695	Unidentified / <i>Hyphomycetes</i>	5765	<i>Pseudogibbellula formicarum</i>
5626	<i>Metarhizium brunneum</i>	5696	<i>Ophiocordyceps gracilioides</i>	5766	<i>Pseudogibbellula formicarum</i>
5627	<i>Isaria fumosorosea</i>	5697	<i>Beauveria sp.</i>	5767	<i>Beauveria bassiana</i>
5628	<i>Metarhizium anisopliae sensu lato</i>	5698	Unidentified / <i>Hyphomycetes</i>	5768	<i>Beauveria bassiana</i>
5629	<i>Beauveria bassiana</i>	5699	<i>Isaria farinosa</i>	5769	<i>Beauveria bassiana</i>
5630	<i>Beauveria bassiana</i>	5700	<i>Isaria tenuipes</i>	5770	<i>Beauveria bassiana</i>
5631	<i>Beauveria bassiana</i>	5701	<i>Duddingtonia flagrans</i>	5771	<i>Verticillium lecanii</i>
5632	<i>Beauveria bassiana</i>	5702	<i>Monacrosporium ellipsosporum</i>	5772	<i>Lecanicillium muscarium</i>
5633	<i>Beauveria bassiana</i>	5703	<i>Evlachovaea sp.</i>	5773	<i>Acremonium sp.</i>
5634	<i>Beauveria bassiana</i>	5704	<i>Beauveria bassiana</i>	5774	<i>Isaria farinosa</i>
5635	<i>Beauveria bassiana</i>	5705	<i>Beauveria bassiana</i>	5775	<i>Isaria farinosa</i>
5636	<i>Beauveria bassiana</i>	5706	<i>Lecanicillium lecanii</i>	5776	<i>Isaria farinosa</i>
5637	<i>Beauveria bassiana</i>	5707	<i>Pandora neoaphidis</i>	5777	<i>Lecanicillium muscarium(?)</i>
5638	<i>Beauveria bassiana</i>	5708	<i>Pandora neoaphidis</i>	5778	<i>Lecanicillium muscarium</i>
5639	<i>Beauveria bassiana</i>	5709	<i>Verticillium lecanii</i>	5779	<i>Lecanicillium muscarium</i>
5640	<i>Beauveria bassiana</i>	5710	<i>Verticillium lecanii</i>	5780	<i>Lecanicillium muscarium</i>
5641	<i>Beauveria bassiana</i>	5711	<i>Entomophaga maimaiga</i>	5781	<i>Verticillium lecanii</i>
5642	<i>Beauveria bassiana</i>	5712	<i>Conidiobolus sp.</i>	5782	<i>Lecanicillium muscarium</i>
5643	<i>Beauveria bassiana</i>	5713	<i>Verticillium sp.</i>	5783	<i>Verticillium lecanii</i>
5644	<i>Beauveria bassiana(?)</i>	5714	<i>Metarhizium guizhouense</i>	5784	<i>Isaria farinosa</i>
5645	<i>Beauveria bassiana</i>	5715	<i>Metarhizium anisopliae sensu lato</i>	5785	<i>Lecanicillium lecanii</i>
5646	<i>Beauveria bassiana</i>	5716	<i>Metarhizium anisopliae sensu lato</i>	5786	<i>Verticillium lecanii</i>
5647	<i>Beauveria bassiana</i>	5717	<i>Metarhizium anisopliae sensu lato</i>	5787	<i>Lecanicillium lecanii</i>
5648	<i>Beauveria bassiana</i>	5718	<i>Cordyceps staphylinidaecola</i>	5788	<i>Isaria farinosa</i>
5649	<i>Beauveria bassiana</i>	5719	<i>Metarhizium yongmunense</i>	5789	<i>Verticillium lecanii</i>
5650	<i>Beauveria bassiana</i>	5720	<i>Syngliocladium sp.</i>	5790	<i>Isaria farinosa</i>
5651	<i>Beauveria bassiana</i>	5721	<i>Aspergillus niger</i>	5791	<i>Lecanicillium muscarium</i>
5652	<i>Beauveria bassiana</i>	5722	<i>Aspergillus ochraceus</i>	5792	<i>Isaria farinosa</i>
5653	<i>Beauveria bassiana</i>	5723		5793	<i>Verticillium lecanii</i>
5654	<i>Beauveria bassiana</i>	5724	<i>Beauveria pseudobassiana</i>	5794	<i>Lecanicillium lecanii</i>
5655	<i>Beauveria bassiana</i>	5725	<i>Beauveria bassiana</i>	5795	<i>Lecanicillium muscarium</i>
5656	<i>Harposporium bysmatosporum</i>	5726	<i>Fusarium sp.</i>	5796	<i>Beauveria bassiana</i>
5657	<i>Harposporium subuliforme</i>	5727	<i>Fusarium sp.</i>	5797	<i>Isaria farinosa</i>
5658	<i>Harposporium dicorymbum</i>	5728	<i>Fusarium sp.</i>	5798	<i>Lecanicillium muscarium</i>
5659	<i>Harposporium anguillulae</i>	5729	<i>Candida sp.</i>	5799	<i>Isaria farinosa</i>
5660	<i>Dactylella heterospora</i>	5730	<i>Trichoderma sp.</i>	5800	<i>Isaria farinosa</i>
5661	<i>Dactylella doedycoides</i>	5731	<i>Pythium sp.</i>	5801	<i>Isaria farinosa</i>
5662	<i>Dactylaria brochopaga</i>	5732	<i>Pythium sp.</i>	5802	<i>Isaria farinosa</i>
5663	<i>Nematoctonus sp.</i>	5733	<i>Penicillium sp.</i>	5803	<i>Fusarium sp.</i>
5664	<i>Synnematium jonesii</i>	5734	<i>Metarhizium anisopliae var. acridum</i>	5804	<i>Cordyceps militaris</i>
5665	<i>Beauveria bassiana</i>	5735	<i>Metarhizium acridum</i>	5805	<i>Purpureocillium lilacinum</i>
5666	<i>Lecanicillium psalliotae</i>	5736	<i>Metarhizium acridum</i>	5806	<i>Isaria javanica</i>
5667	<i>Beauveria bassiana</i>	5737	<i>Beauveria bassiana</i>	5807	<i>Beauveria bassiana</i>
5668	<i>Beauveria pseudobassiana</i>	5738	<i>Beauveria bassiana</i>	5808	<i>Beauveria bassiana</i>
5669	<i>Beauveria pseudobassiana</i>	5739	<i>Drechmeria coniospora</i>	5809	<i>Verticillium lecanii</i>
5670	<i>Beauveria bassiana</i>	5740	<i>Beauveria bassiana</i>	5810	<i>Batkoa sp.</i>
5671	<i>Beauveria bassiana</i>	5741	<i>Beauveria bassiana</i>	5811	<i>Entomophthora culicis</i>
5672	<i>Beauveria bassiana</i>	5742	<i>Beauveria bassiana</i>	5812	<i>Pandora sp.</i>
5673	<i>Beauveria bassiana</i>	5743	<i>Beauveria bassiana</i>	5813	<i>Beauveria bassiana</i>
5674	<i>Beauveria bassiana</i>	5744	<i>Beauveria bassiana</i>	5814	<i>Zoopthora radicans</i>
5675	<i>Isaria farinosa</i>	5745	<i>Beauveria bassiana</i>	5815	<i>Beauveria bassiana(?)</i>
5676	<i>Isaria farinosa</i>	5746	<i>Metarhizium anisopliae sensu lato</i>	5816	<i>Beauveria bassiana(?)</i>

5817	<i>Beauveria bassiana</i> (?)	5887	<i>Beauveria bassiana</i>	5957	<i>Beauveria bassiana</i>
5818	<i>Beauveria bassiana</i> (?)	5888	<i>Beauveria bassiana</i>	5958	<i>Beauveria bassiana</i>
5819	Sterile mycelium	5889	<i>Basidiobolus ranarum</i>	5959	<i>Beauveria bassiana</i> (?)
5820	<i>Verticillium lecanii</i>	5890	<i>Basidiobolus ranarum</i>	5960	<i>Beauveria bassiana</i>
5821	<i>Verticillium lecanii</i>	5891	<i>Basidiobolus ranarum</i>	5961	<i>Beauveria bassiana</i>
5822	<i>Lecanicillium muscarium</i>	5892	<i>Basidiobolus ranarum</i>	5962	<i>Beauveria bassiana</i>
5823	<i>Geotrichum</i> (?) sp.	5893	<i>Basidiobolus ranarum</i>	5963	<i>Beauveria bassiana</i>
5824	<i>Verticillium lecanii</i>	5894	<i>Basidiobolus ranarum</i>	5964	<i>Beauveria bassiana</i>
5825	<i>Fusarium</i> sp.	5895	<i>Basidiobolus ranarum</i>	5965	<i>Beauveria bassiana</i>
5826	<i>Isaria farinosa</i>	5896	<i>Basidiobolus ranarum</i>	5966	<i>Beauveria bassiana</i>
5827	<i>Isaria farinosa</i>	5897	<i>Basidiobolus ranarum</i>	5967	<i>Beauveria bassiana</i>
5828	<i>Lecanicillium muscarium</i>	5898	<i>Basidiobolus ranarum</i>	5968	<i>Beauveria bassiana</i>
5829	<i>Lecanicillium lecanii</i>	5899	<i>Basidiobolus ranarum</i>	5969	<i>Beauveria bassiana</i>
5830	<i>Isaria farinosa</i>	5900	<i>Basidiobolus ranarum</i>	5970	<i>Beauveria bassiana</i>
5831	<i>Beauveria</i> sp.	5901	<i>Basidiobolus ranarum</i>	5971	<i>Beauveria bassiana</i>
5832	<i>Beauveria</i> sp.	5902	<i>Basidiobolus ranarum</i>	5972	<i>Beauveria bassiana</i>
5833	<i>Beauveria</i> sp.	5903	<i>Basidiobolus ranarum</i>	5973	<i>Beauveria bassiana</i>
5834	<i>Isaria farinosa</i>	5904	<i>Basidiobolus ranarum</i>	5974	<i>Beauveria bassiana</i>
5835	<i>Lecanicillium psalliotae</i>	5905	<i>Basidiobolus ranarum</i>	5975	<i>Beauveria bassiana</i> (?)
5836	<i>Beauveria bassiana</i>	5906	<i>Basidiobolus ranarum</i>	5976	<i>Beauveria bassiana</i> (?)
5837	<i>Metarhizium anisopliae</i> sensu lato	5907	<i>Basidiobolus ranarum</i>	5977	<i>Beauveria bassiana</i>
5838	<i>Beauveria bassiana</i>	5908	<i>Basidiobolus ranarum</i>	5978	<i>Beauveria bassiana</i>
5839	<i>Beauveria bassiana</i>	5909	<i>Basidiobolus ranarum</i>	5979	<i>Beauveria bassiana</i>
5840	<i>Beauveria bassiana</i>	5910	<i>Basidiobolus ranarum</i>	5980	<i>Beauveria bassiana</i>
5841	<i>Metarhizium anisopliae</i> sensu lato	5911	<i>Basidiobolus ranarum</i>	5981	<i>Beauveria bassiana</i>
5842	<i>Metarhizium anisopliae</i> sensu lato	5912	<i>Basidiobolus ranarum</i>	5982	<i>Beauveria bassiana</i>
5843	<i>Beauveria bassiana</i>	5913	<i>Basidiobolus ranarum</i>	5983	<i>Beauveria bassiana</i>
5844	<i>Isaria fumosorosea</i>	5914	<i>Basidiobolus ranarum</i>	5984	<i>Beauveria bassiana</i>
5845	<i>Isaria fumosorosea</i>	5915	<i>Basidiobolus ranarum</i>	5985	<i>Beauveria bassiana</i>
5846	<i>Isaria fumosorosea</i>	5916	<i>Basidiobolus ranarum</i>	5986	<i>Beauveria bassiana</i>
5847	<i>Isaria fumosorosea</i>	5917	<i>Basidiobolus ranarum</i>	5987	<i>Beauveria bassiana</i>
5848	<i>Metarhizium anisopliae</i> sensu lato	5918	<i>Basidiobolus ranarum</i>	5988	<i>Beauveria bassiana</i>
5849	<i>Verticillium lecanii</i>	5919	<i>Basidiobolus ranarum</i>	5989	<i>Beauveria bassiana</i>
5850	<i>Metarhizium anisopliae</i> sensu lato	5920	<i>Basidiobolus ranarum</i>	5990	<i>Beauveria bassiana</i> (?)
5851	<i>Metarhizium brunneum</i>	5921	<i>Basidiobolus ranarum</i>	5991	<i>Beauveria bassiana</i>
5852	<i>Verticillium lecanii</i>	5922	<i>Basidiobolus ranarum</i>	5992	<i>Conidiobolus obscurus</i>
5853	<i>Beauveria bassiana</i>	5923	<i>Basidiobolus ranarum</i>	5993	<i>Conidiobolus osmodes</i> (?)
5854	<i>Verticillium lecanii</i>	5924	<i>Basidiobolus ranarum</i>	5994	<i>Batkoa apiculata</i>
5855	<i>Isaria fumosorosea</i>	5925	<i>Basidiobolus ranarum</i>	5995	<i>Pandora neoaphidis</i>
5856	<i>Verticillium lecanii</i>	5926	<i>Basidiobolus ranarum</i>	5996	<i>Isaria farinosa</i>
5857	<i>Beauveria bassiana</i>	5927	<i>Basidiobolus ranarum</i>	5997	<i>Beauveria bassiana</i>
5858	<i>Isaria farinosa</i>	5928	<i>Basidiobolus ranarum</i>	5998	<i>Aphanocladium album</i>
5859	<i>Lecanicillium muscarium</i>	5929	<i>Basidiobolus ranarum</i>	5999	<i>Calcarisporium arbuscula</i>
5860	<i>Isaria fumosorosea</i>	5930	<i>Basidiobolus ranarum</i>	6000	<i>Conidiobolus thromboides</i>
5861	<i>Beauveria bassiana</i>	5931	<i>Basidiobolus ranarum</i>	6001	<i>Conidiobolus thromboides</i>
5862	<i>Beauveria bassiana</i>	5932	<i>Basidiobolus ranarum</i>	6002	<i>Engyodontium album</i>
5863	<i>Beauveria bassiana</i>	5933	<i>Basidiobolus ranarum</i>	6003	<i>Zoophthora radicans</i>
5864	<i>Beauveria bassiana</i>	5934	<i>Basidiobolus ranarum</i>	6004	<i>Entomophaga maimaiga</i>
5865	<i>Beauveria bassiana</i>	5935	<i>Basidiobolus ranarum</i>	6005	<i>Entomophaga maimaiga</i>
5866	<i>Beauveria bassiana</i>	5936	<i>Basidiobolus ranarum</i>	6006	<i>Entomophaga maimaiga</i>
5867	<i>Beauveria pseudobassiana</i>	5937	<i>Basidiobolus ranarum</i>	6007	<i>Entomophaga maimaiga</i>
5868	<i>Entomophthora thripidum</i>	5938	<i>Basidiobolus ranarum</i>	6008	<i>Beauveria bassiana</i>
5869	<i>Furia gastropachae</i>	5939	<i>Basidiobolus ranarum</i>	6009	<i>Beauveria bassiana</i>
5870	<i>Furia gastropachae</i>	5940	<i>Basidiobolus ranarum</i>	6010	<i>Lecanicillium lecanii</i>
5871	<i>Furia gastropachae</i>	5941	<i>Basidiobolus ranarum</i>	6011	<i>Beauveria bassiana</i>
5872	<i>Furia gastropachae</i>	5942	<i>Basidiobolus ranarum</i>	6012	<i>Isaria farinosa</i>
5873	<i>Metarhizium robertsii</i>	5943	<i>Basidiobolus ranarum</i>	6013	<i>Beauveria bassiana</i>
5874	<i>Isaria fumosorosea</i>	5944	<i>Basidiobolus ranarum</i>	6014	<i>Beauveria bassiana</i>
5875	<i>Fusarium</i> sp.	5945	<i>Basidiobolus ranarum</i>	6015	<i>Beauveria pseudobassiana</i>
5876	<i>Purpureocillium lilacinum</i>	5946	<i>Basidiobolus ranarum</i>	6016	<i>Beauveria bassiana</i>
5877	<i>Purpureocillium lilacinum</i>	5947	<i>Basidiobolus ranarum</i>	6017	<i>Isaria farinosa</i>
5878	<i>Fusarium</i> sp.	5948	<i>Basidiobolus ranarum</i>	6018	<i>Purpureocillium lilacinum</i>
5879	<i>Fusarium</i> sp.	5949	<i>Basidiobolus ranarum</i>	6019	<i>Beauveria bassiana</i>
5880	<i>Purpureocillium lilacinum</i>	5950	<i>Basidiobolus ranarum</i>	6020	<i>Isaria farinosa</i>
5881	<i>Fusarium</i> sp.	5951	<i>Basidiobolus ranarum</i>	6021	<i>Purpureocillium lilacinum</i>
5882	<i>Purpureocillium lilacinum</i>	5952	<i>Entomophthora muscae</i>	6022	<i>Beauveria pseudobassiana</i>
5883	<i>Isaria farinosa</i>	5953	<i>Entomophthora muscae</i>	6023	<i>Beauveria brongniartii</i>
5884	<i>Isaria farinosa</i>	5954	<i>Entomophthora muscae</i>	6024	<i>Purpureocillium lilacinum</i>
5885	<i>Isaria farinosa</i>	5955	<i>Entomophthora syrphi</i>	6025	<i>Verticillium lecanii</i>
5886	<i>Beauveria bassiana</i>	5956	<i>Beauveria bassiana</i>	6026	<i>Purpureocillium lilacinum</i>

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6027	<i>Beauveria bassiana</i>	6097	<i>Isaria farinosa</i>	6171	<i>Entomophaga maimaiga</i>
6028	<i>Isaria farinosa</i>	6098	<i>Isaria farinosa</i>	6172	<i>Entomophaga maimaiga</i>
6029	<i>Isaria farinosa</i>	6099	<i>Beauveria bassiana</i>	6173	<i>Entomophaga maimaiga</i>
6030	<i>Isaria farinosa</i>	6100	<i>Beauveria bassiana</i>	6174	<i>Entomophaga maimaiga</i>
6031	<i>Isaria farinosa</i>	6101	<i>Beauveria bassiana</i>	6175	<i>Ramicandelaber longisporus</i>
6032	<i>Isaria farinosa</i>	6102	<i>Fusarium</i> sp.	6176	<i>Ramicandelaber longisporus</i>
6033	<i>Isaria farinosa</i>	6105	<i>Entomophaga maimaiga</i>	6177	<i>Beauveria bassiana</i>
6034	<i>Isaria farinosa</i>	6106	<i>Entomophaga maimaiga</i>	6178	<i>Beauveria bassiana</i>
6035	<i>Lecanicillium muscarium</i>	6109	<i>Beauveria bassiana</i>	6179	<i>Batkoa</i> sp.
6036	<i>Isaria farinosa</i>	6110	<i>Purpureocillium lilacinum</i>	6180	<i>Ophiocordyceps myrmecophila</i>
6037	<i>Isaria farinosa</i>	6111	<i>Beauveria bassiana</i>	6181	<i>Beauveria pseudobassiana</i>
6038	<i>Isaria farinosa</i>	6112	<i>Beauveria bassiana</i>	6182	<i>Beauveria bassiana</i>
6039	<i>Beauveria bassiana</i>	6113	<i>Beauveria bassiana</i>	6183	<i>Purpureocillium lilacinum</i>
6040	<i>Beauveria bassiana</i>	6114	<i>Purpureocillium lilacinum</i>	6184	<i>Beauveria bassiana</i>
6041	<i>Beauveria bassiana</i>	6115	<i>Beauveria bassiana</i>	6185	<i>Beauveria pseudobassiana</i>
6042	<i>Beauveria bassiana</i>	6116	<i>Purpureocillium lilacinum</i>	6186	<i>Beauveria bassiana</i>
6043	<i>Beauveria pseudobassiana</i>	6117	<i>Purpureocillium lilacinum</i>	6187	<i>Beauveria bassiana</i>
6044	<i>Isaria farinosa</i>	6118	<i>Lecanicillium muscarium</i>	6188	<i>Purpureocillium lilacinum</i>
6045	<i>Verticillium lecanii</i>	6119	Unidentified / <i>Zygomycetes</i>	6189	<i>Beauveria bassiana</i>
6046	<i>Verticillium lecanii</i>	6120	<i>Metarhizium brunneum</i>	6190	<i>Purpureocillium lilacinum</i>
6047	<i>Verticillium lecanii</i>	6121	<i>Entomophthora muscae</i>	6191	<i>Beauveria bassiana</i>
6048	<i>Isaria farinosa</i>	6122	<i>Entomophthora muscae</i>	6192	<i>Isaria fumosorosea</i>
6049	<i>Isaria farinosa</i>	6123	<i>Entomophthora muscae</i>	6193	<i>Paecilomyces</i> sp.
6050	<i>Verticillium lecanii</i>	6124	<i>Entomophthora muscae</i>	6194	<i>Beauveria bassiana</i>
6051	<i>Entomophaga maimaiga</i>	6125	<i>Entomophthora muscae</i>	6195	<i>Beauveria bassiana</i>
6052	<i>Entomophaga maimaiga</i>	6126	<i>Entomophthora muscae</i>	6196	<i>Beauveria bassiana</i>
6053	<i>Entomophaga maimaiga</i>	6127	<i>Entomophthora muscae</i>	6197	<i>Purpureocillium lilacinum</i>
6054	<i>Entomophaga maimaiga</i>	6128	<i>Entomophthora muscae</i>	6198	<i>Paecilomyces</i> sp.
6055	<i>Beauveria bassiana</i>	6129	<i>Entomophthora muscae</i>	6199	<i>Beauveria bassiana</i>
6056	<i>Beauveria bassiana</i>	6130	<i>Entomophthora muscae</i>	6200	<i>Isaria farinosa</i>
6057	<i>Beauveria bassiana</i>	6131	<i>Entomophthora muscae</i>	6201	<i>Beauveria bassiana</i>
6058	<i>Beauveria bassiana</i>	6132	<i>Entomophthora muscae</i>	6202	<i>Isaria farinosa</i>
6059	<i>Beauveria bassiana</i>	6133	<i>Entomophthora muscae</i>	6203	<i>Isaria fumosorosea</i>
6060	<i>Beauveria bassiana</i>	6134	<i>Entomophthora muscae</i>	6204	<i>Isaria fumosorosea</i>
6061	<i>Beauveria bassiana</i>	6135	<i>Entomophthora muscae</i>	6205	<i>Beauveria bassiana</i>
6062	<i>Beauveria bassiana</i>	6136	<i>Entomophthora muscae</i>	6206	<i>Isaria fumosorosea</i>
6063	<i>Beauveria bassiana</i>	6137	<i>Entomophthora schizophorae</i>	6207	<i>Isaria farinosa</i>
6064	<i>Beauveria bassiana</i>	6138	<i>Entomophthora schizophorae</i>	6208	<i>Beauveria bassiana</i>
6065	<i>Beauveria bassiana</i>	6139	<i>Entomophthora schizophorae</i>	6209	<i>Beauveria bassiana</i>
6066	<i>Beauveria bassiana</i>	6140	<i>Entomophthora muscae</i>	6210	<i>Batkoa</i> sp.
6067	<i>Beauveria bassiana</i>	6141	<i>Entomophthora muscae</i>	6211	<i>Furia</i> sp.
6068	<i>Verticillium lecanii</i>	6142	<i>Entomophthora schizophorae</i>	6212	<i>Entomophaga maimaiga</i>
6069	<i>Beauveria bassiana</i>	6143	<i>Entomophthora schizophorae</i>	6213	<i>Beauveria brongniartii</i>
6070	<i>Beauveria bassiana</i>	6144	<i>Verticillium lecanii</i>	6214	<i>Beauveria brongniartii</i>
6071	<i>Lecanicillium psalliotae</i>	6145	<i>Verticillium lecanii</i>	6215	<i>Beauveria brongniartii</i>
6072	<i>Beauveria bassiana</i>	6146	<i>Evlachovaea</i> sp.	6216	<i>Beauveria bassiana</i>
6073	<i>Beauveria bassiana</i>	6147	<i>Beauveria bassiana</i>	6217	<i>Beauveria bassiana</i>
6074	<i>Beauveria bassiana</i>	6148	<i>Beauveria bassiana</i>	6218	<i>Entomophaga maimaiga</i>
6075	<i>Beauveria bassiana</i>	6149	<i>Beauveria bassiana</i>	6219	<i>Neozygites floridana</i> (?)
6076	<i>Beauveria bassiana</i>	6150	<i>Beauveria bassiana</i>	6220	<i>Neozygites floridana</i> (?)
6077	<i>Beauveria bassiana</i>	6151	<i>Beauveria bassiana</i>	6221	<i>Neozygites floridana</i> (?)
6078	<i>Beauveria bassiana</i>	6152	<i>Beauveria bassiana</i>	6222	<i>Isaria farinosa</i>
6079	<i>Beauveria bassiana</i>	6153	<i>Beauveria bassiana</i>	6223	<i>Entomophaga maimaiga</i>
6080	<i>Purpureocillium lilacinum</i>	6154	<i>Calcarisporium parasiticum</i>	6224	<i>Entomophaga maimaiga</i>
6081	<i>Purpureocillium lilacinum</i>	6155	<i>Calcarisporium arbuscula</i>	6225	<i>Fusarium</i> sp.
6082	<i>Purpureocillium lilacinum</i>	6156	<i>Neobarya parasitica</i>	6226	<i>Cladosporium</i> sp.
6083	<i>Beauveria bassiana</i>	6157	Unidentified / <i>Zygomycetes</i>	6227	<i>Beauveria amorpha</i>
6084	<i>Purpureocillium lilacinum</i>	6158	Unidentified / <i>Zygomycetes</i>	6228	<i>Beauveria bassiana</i>
6085	<i>Verticillium lecanii</i>	6159	Unidentified / <i>Zygomycetes</i>	6229	<i>Beauveria pseudobassiana</i>
6086	<i>Beauveria bassiana</i>	6160	Unidentified / <i>Zygomycetes</i>	6230	<i>Beauveria bassiana</i>
6087	<i>Beauveria bassiana</i>	6161	<i>Entomophaga maimaiga</i>	6231	<i>Beauveria bassiana</i>
6088	<i>Beauveria bassiana</i>	6162	<i>Entomophaga maimaiga</i>	6232	<i>Beauveria bassiana</i>
6089	<i>Beauveria bassiana</i>	6163	<i>Entomophaga maimaiga</i>	6233	<i>Beauveria bassiana</i>
6090	<i>Beauveria bassiana</i>	6164	<i>Entomophthora muscae</i>	6234	<i>Beauveria bassiana</i>
6091	<i>Beauveria bassiana</i>	6165	<i>Entomophthora muscae</i>	6235	<i>Beauveria brongniartii</i>
6092	<i>Beauveria bassiana</i>	6166	<i>Pandora neopaphidis</i>	6236	<i>Metarhizium anisopliae sensu lato</i>
6093	<i>Beauveria bassiana</i>	6167	<i>Metarhizium anisopliae sensu lato</i>	6237	<i>Metarhizium anisopliae sensu lato</i>
6094	<i>Purpureocillium lilacinum</i>	6168	<i>Entomophaga maimaiga</i>	6238	<i>Metarhizium zigzhouense</i>
6095	<i>Beauveria bassiana</i>	6169	<i>Entomophaga maimaiga</i>	6239	<i>Metarhizium rileyi</i>
6096	<i>Beauveria bassiana</i>	6170	<i>Entomophaga maimaiga</i>	6240	<i>Isaria cateniammulata</i>

6241	<i>Isaria cateniannulata</i>	6311	<i>Pandora blunckii</i>	6386	<i>Conidiobolus heterosporus</i>
6242	<i>Isaria cateniannulata</i>	6312	<i>Pandora blunckii</i>	6387	<i>Beauveria bassiana</i>
6243	<i>Isaria cateniannulata</i>	6313	<i>Zoopththora radicans</i>	6388	<i>Metarhizium anisopliae sensu lato</i>
6244	<i>Isaria cateniobliqua</i>	6314	<i>Zoopththora radicans</i>	6389	<i>Metarhizium anisopliae sensu lato</i>
6245	<i>Isaria farinosa</i>	6315	<i>Zoopththora radicans</i>	6390	<i>Beauveria bassiana</i>
6246	<i>Isaria farinosa</i>	6316	<i>Pandora blunckii</i>	6391	<i>Beauveria bassiana</i>
6247	<i>Purpureocillium lilacinum</i>	6317	<i>Metarhizium anisopliae sensu stricto</i>	6392	<i>Metarhizium brunneum</i>
6248	<i>Cordyceps militaris</i>	6318	<i>Metarhizium anisopliae sensu stricto</i>	6393	<i>Beauveria bassiana</i>
6249	<i>Isaria tenuipes</i>	6319	<i>Metarhizium anisopliae sensu lato</i>	6394	<i>Fusarium sp.</i>
6250	<i>Verticillium sp.</i>	6320	<i>Fusarium proliferatum</i>	6395	<i>Fusarium sp.</i>
6251	<i>Entomophthora planchoniana</i>	6321	<i>Metarhizium anisopliae sensu lato</i>	6396	<i>Fusarium sp.</i>
6252	<i>Entomophthora planchoniana</i>	6322	<i>Metarhizium anisopliae sensu lato</i>	6397	<i>Fusarium sp.</i>
6253	<i>Entomophaga maimaiga</i>	6323	<i>Metarhizium anisopliae sensu lato</i>	6398	<i>Fusarium sp.</i>
6254	<i>Entomophaga maimaiga</i>	6324	<i>Metarhizium anisopliae sensu lato</i>	6399	<i>Aspergillus sp.</i>
6255	<i>Entomophaga maimaiga</i>	6325	<i>Paecilomyces lilacinus(?)</i>	6400	<i>Fusarium culmorum</i>
6256	<i>Entomophaga maimaiga</i>	6326	<i>Metarhizium anisopliae sensu lato</i>	6401	<i>Fusarium sp.</i>
6257	<i>Entomophaga maimaiga</i>	6327	<i>Ramicandelaber longisporus</i>	6402	<i>Fusarium sp.</i>
6258	<i>Entomophaga maimaiga</i>	6328	<i>Ramicandelaber longisporus</i>	6403	<i>Fusarium sp.</i>
6259	<i>Hyphochytrium catenoides</i>	6329	<i>Ramicandelaber longisporus</i>	6404	<i>Beauveria bassiana</i>
6260	<i>Powellomyces variabilis</i>	6330	<i>Ramicandelaber longisporus</i>	6405	<i>Aspergillus sp.</i>
6261	<i>Rhizophlyctis rosea</i>	6331	<i>Ramicandelaber longisporus</i>	6406	<i>Aspergillus sp.</i>
6262	<i>Rhizophyidium sphaerotheca</i>	6332	<i>Ramicandelaber longisporus</i>	6407	<i>Aspergillus niger</i>
6263	<i>Spizellomyces kniepii</i>	6333	<i>Ramicandelaber longisporus</i>	6408	<i>Aspergillus sp.</i>
6264	<i>Entomophaga maimaiga</i>	6334	<i>Ramicandelaber longisporus</i>	6409	<i>Fusarium proliferatum</i>
6265	<i>Entomophaga maimaiga</i>	6335	<i>Ramicandelaber longisporus</i>	6410	<i>Fusarium sp.</i>
6266	<i>Entomophaga maimaiga</i>	6336	<i>Ramicandelaber longisporus</i>	6411	<i>Fusarium proliferatum</i>
6267	<i>Entomophaga maimaiga</i>	6337	<i>Ramicandelaber longisporus</i>	6412	<i>Beauveria brongniartii</i>
6268	<i>Entomophaga maimaiga</i>	6338	<i>Ramicandelaber longisporus</i>	6413	<i>Metarhizium sp.</i>
6269	<i>Entomophaga maimaiga</i>	6339	<i>Paecilomyces sp.</i>	6414	<i>Metarhizium anisopliae sensu lato</i>
6270	<i>Entomophaga maimaiga</i>	6340	<i>Purpureocillium lilacinum</i>	6415	<i>Metarhizium anisopliae sensu lato</i>
6271	<i>Entomophaga maimaiga</i>	6341	<i>Sporothrix sp.</i>	6416	<i>Metarhizium flavoviride</i>
6272	<i>Entomophaga maimaiga</i>	6342	<i>Metarhizium anisopliae sensu lato</i>	6417	<i>Metarhizium anisopliae sensu lato</i>
6273	<i>Cladosporium cladosporioides</i>	6343	<i>Metarhizium anisopliae sensu lato</i>	6418	<i>Aspergillus tamarii(?)</i>
6274	<i>Entomophthora muscae</i>	6344	<i>Trichoderma viride(?)</i>	6419	<i>Aspergillus sp.</i>
6275	<i>Smittium megazygosporum</i>	6345	<i>Metarhizium anisopliae sensu lato</i>	6420	<i>Aspergillus tamarii(?)</i>
6276	<i>Neozygites parvispora</i>	6346	<i>Metarhizium anisopliae sensu lato</i>	6421	<i>Metarhizium acridum</i>
6277	<i>Neozygites parvispora</i>	6347	<i>Metarhizium anisopliae sensu stricto</i>	6422	<i>Aspergillus sp.</i>
6278	<i>Neozygites parvispora</i>	6348	<i>Fusarium sp.</i>	6423	<i>Aspergillus sp.</i>
6279	<i>Neozygites parvispora</i>	6349	<i>Cordyceps sp.</i>	6424	<i>Conidiobolus sp.</i>
6280	<i>Neozygites parvispora</i>	6350	<i>Verticillium lecanii</i>	6425	<i>Fusarium proliferatum</i>
6281	<i>Cordyceps sp.</i>	6351	<i>Fusarium sp.</i>	6426	<i>Beauveria bassiana</i>
6282	<i>Hirsutella sinensis</i>	6352	<i>Fusarium sp.</i>	6427	<i>Saprolegnia sp.</i>
6283	<i>Isaria cateniobliqua</i>	6353	<i>Fusarium sp.</i>	6428	<i>Fusarium sp.</i>
6284	<i>Paecilomyces sinensis</i>	6354	<i>Fusarium sp.</i>	6429	<i>Fusarium sp.</i>
6285	<i>Paecilomyces sinensis</i>	6355	<i>Fusarium oxysporum(?)</i>	6430	<i>Simplicillium lanosoniveum</i>
6286	<i>Sporothrix insectorum</i>	6356	<i>Metarhizium anisopliae sensu lato</i>	6431	<i>Simplicillium lanosoniveum</i>
6287	<i>Verticillium lecanii</i>	6357	<i>Penicillium sp.</i>	6432	<i>Simplicillium lanosoniveum</i>
6288	<i>Isaria farinosa</i>	6358	<i>Fusarium sp.</i>	6433	<i>Lecanicillium aphanocladii</i>
6289	<i>Lecanicillium lecanii(?)</i>	6359	<i>Penicillium sp.</i>	6434	<i>Isaria fumosorosea</i>
6290	<i>Verticillium lecanii</i>	6360	<i>Metarhizium anisopliae sensu lato</i>	6435	<i>Isaria fumosorosea</i>
6291	<i>Verticillium lecanii</i>	6361	<i>Conidiobolus lamprauges</i>	6436	<i>Lecanicillium psalliotae</i>
6292	<i>Hymenostilbe sphecofila</i>	6362	<i>Ascosphaera apis</i>	6437	<i>Beauveria brongniartii</i>
6293	<i>Pandora blunckii</i>	6363	<i>Ascosphaera proliperda</i>	6438	<i>Beauveria brongniartii</i>
6294	<i>Pandora blunckii</i>	6364	<i>Aspergillus sp.</i>	6439	<i>Beauveria brongniartii</i>
6295	<i>Pandora blunckii</i>	6365	<i>Aspergillus niger</i>	6440	<i>Beauveria brongniartii</i>
6296	<i>Pandora blunckii</i>	6367	<i>Curvularia sp.</i>	6441	<i>Engyodontium aranearum</i>
6297	<i>Pandora blunckii</i>	6369	<i>Aspergillus sp.</i>	6442	<i>Cladosporium sp.</i>
6298	<i>Pandora blunckii</i>	6370	<i>Unidentified sp.</i>	6443	<i>Fusarium sp.</i>
6299	<i>Pandora blunckii</i>	6372	<i>Dactylella sp.</i>	6444	<i>Beauveria bassiana</i>
6300	<i>Pandora blunckii</i>	6375	<i>Fusarium sp.</i>	6445	<i>Fusarium sp.</i>
6301	<i>Pandora blunckii</i>	6376	<i>Beauveria amorpha</i>	6446	<i>Fusarium udum</i>
6302	<i>Pandora blunckii</i>	6377	<i>Conidiobolus adiaeretus</i>	6447	<i>Fusarium udum</i>
6303	<i>Zoopththora radicans</i>	6378	<i>Conidiobolus iuxtagenitus</i>	6448	<i>Simplicillium lamellicola</i>
6304	<i>Pandora blunckii</i>	6379	<i>Conidiobolus coronatus</i>	6449	
6305	<i>Pandora blunckii</i>	6380	<i>Basidiobolus ranarum</i>	6450	<i>Fusarium sp.</i>
6306	<i>Pandora blunckii</i>	6381	<i>Conidiobolus thromboides</i>	6451	<i>Fusarium udum</i>
6307	<i>Pandora blunckii</i>	6382	<i>Basidiobolus ranarum</i>	6452	<i>Fusarium udum</i>
6308	<i>Pandora blunckii</i>	6383	<i>Conidiobolus pumilus</i>	6453	<i>Fusarium sp.</i>
6309	<i>Pandora blunckii</i>	6384	<i>Conidiobolus firmipilleus</i>	6454	<i>Aspergillus flavus</i>
6310	<i>Pandora blunckii</i>	6385	<i>Conidiobolus lamprauges</i>	6455	<i>Fusarium udum</i>

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6457	<i>Metarhizium anisopliae</i> sensu lato	6528	<i>Beauveria bassiana</i>	6597	<i>Metarhizium acridum</i>
6458	<i>Paecilomyces lilacinus</i> (?)	6529	<i>Beauveria bassiana</i>	6598	<i>Metarhizium acridum</i>
6459	<i>Beauveria bassiana</i>	6530	<i>Beauveria bassiana</i>	6599	<i>Metarhizium minus</i>
6460	<i>Fusarium</i> sp.	6531	<i>Beauveria bassiana</i>	6600	<i>Metarhizium acridum</i>
6461	<i>Fusarium</i> sp.	6532	<i>Beauveria bassiana</i>	6601	<i>Metarhizium minus</i>
6462	<i>Paecilomyces crustaceus</i> (?)	6533	<i>Beauveria</i> sp.	6602	<i>Fusarium nygamai</i>
6463	Unidentified sp.	6534	<i>Beauveria</i> sp.	6603	<i>Penicillium</i> sp.
6464	<i>Fusarium</i> sp.	6535	<i>Beauveria</i> sp.	6604	<i>Aspergillus</i> sp.
6465	<i>Fusarium</i> sp.	6536	<i>Beauveria</i> sp.	6605	<i>Zoopthora radicans</i>
6466	Unidentified sp.	6537	<i>Beauveria</i> sp.	6606	<i>Verticillium lecanii</i>
6467	<i>Paecilomyces crustaceus</i> (?)	6538	<i>Pandora delphacis</i>	6607	<i>Isaria farinosa</i>
6468	<i>Metarhizium anisopliae</i> sensu lato	6539	<i>Pandora delphacis</i>	6608	<i>Beauveria bassiana</i> (?)
6469	<i>Aspergillus flavus</i>	6540	<i>Verticillium lecanii</i>	6609	<i>Isaria farinosa</i>
6470	<i>Mucor circinelloides</i>	6541	<i>Verticillium lecanii</i>	6610	<i>Isaria fumosorosea</i>
6471	<i>Beauveria bassiana</i>	6542	<i>Verticillium lecanii</i>	6611	<i>Isaria farinosa</i>
6472	<i>Metarhizium robertsii</i>	6543	<i>Verticillium lecanii</i>	6612	<i>Beauveria bassiana</i>
6473	<i>Septobasidium carestianum</i>	6544	<i>Verticillium lecanii</i>	6613	<i>Beauveria bassiana</i>
6474	<i>Metarhizium brunneum</i>	6545	<i>Verticillium lecanii</i>	6614	<i>Beauveria bassiana</i>
6475	<i>Metarhizium anisopliae</i> sensu lato	6546	<i>Metarhizium anisopliae</i> sensu stricto	6615	<i>Isaria fumosorosea</i>
6476	<i>Metarhizium robertsii</i>	6547	<i>Verticillium lecanii</i>	6616	<i>Beauveria bassiana</i>
6477	<i>Metarhizium brunneum</i>	6548	<i>Verticillium lecanii</i>	6617	<i>Beauveria bassiana</i>
6478	<i>Beauveria bassiana</i>	6549	<i>Metarhizium anisopliae</i> sensu lato	6618	<i>Beauveria bassiana</i>
6479	<i>Verticillium lecanii</i>	6550	<i>Metarhizium anisopliae</i> var. <i>anisopliae</i>	6619	<i>Isaria farinosa</i>
6480	<i>Verticillium</i> sp.	6551	<i>Metarhizium anisopliae</i> sensu lato	6620	<i>Beauveria bassiana</i>
6481	<i>Isaria farinosa</i>	6552	<i>Beauveria bassiana</i>	6621	<i>Purpureocillium lilacinum</i>
6482	<i>Isaria farinosa</i>	6553	<i>Beauveria bassiana</i>	6622	<i>Fusarium oxysporum</i> (?)
6483	<i>Beauveria bassiana</i>	6554	<i>Verticillium lecanii</i>	6623	<i>Isaria farinosa</i>
6484	<i>Verticillium</i> sp.	6555	<i>Beauveria bassiana</i>	6624	<i>Scopulariopsis</i> sp.
6485	<i>Verticillium</i> sp.	6556	<i>Beauveria bassiana</i>	6625	<i>Entomophaga maimaiga</i>
6486	<i>Verticillium</i> sp.	6557	<i>Beauveria bassiana</i>	6626	<i>Entomophaga maimaiga</i>
6487	<i>Verticillium lecanii</i>	6558	<i>Metarhizium anisopliae</i> sensu lato	6627	<i>Entomophaga maimaiga</i>
6488	<i>Isaria farinosa</i>	6559	<i>Beauveria bassiana</i>	6628	<i>Entomophaga maimaiga</i>
6489	<i>Isaria farinosa</i>	6560	<i>Beauveria bassiana</i>	6629	<i>Entomophaga maimaiga</i>
6490	<i>Isaria farinosa</i>	6561	<i>Verticillium lecanii</i>	6630	<i>Entomophaga maimaiga</i>
6491	<i>Isaria farinosa</i>	6562	<i>Isaria fumosorosea</i>	6631	<i>Pandora neoaphidis</i>
6492	<i>Aphanocladium album</i>	6563	<i>Beauveria bassiana</i>	6632	<i>Gliocladium</i> sp.
6493	<i>Isaria farinosa</i>	6564	<i>Beauveria bassiana</i>	6633	<i>Hirsutella thompsonii</i>
6494	<i>Purpureocillium lilacinum</i>	6565	<i>Beauveria bassiana</i>	6634	<i>Tolyposcladium cylindrosporium</i>
6495	<i>Isaria farinosa</i>	6566	<i>Beauveria bassiana</i>	6635	<i>Evlachovaea</i> sp.
6496	<i>Isaria farinosa</i>	6567	<i>Beauveria bassiana</i>	6636	<i>Simplicillium lanosoniveum</i>
6497	<i>Isaria farinosa</i>	6568	<i>Beauveria bassiana</i>	6637	<i>Simplicillium lanosoniveum</i>
6498	<i>Verticillium</i> sp.	6569	<i>Metarhizium pemphigi</i>	6638	<i>Evlachovaea</i> sp.
6499	<i>Beauveria bassiana</i>	6570	<i>Metarhizium anisopliae</i> sensu lato	6639	<i>Evlachovaea</i> sp.
6500	<i>Verticillium</i> sp.	6571	<i>Aspergillus</i> sp.	6640	<i>Evlachovaea</i> sp.
6501	<i>Verticillium</i> sp.	6572	<i>Fusarium</i> sp.	6641	<i>Evlachovaea</i> sp.
6502	<i>Purpureocillium lilacinum</i>	6573	<i>Aspergillus</i> sp.	6642	<i>Simplicillium lanosoniveum</i>
6503	Unidentified / <i>Hyphomycetes</i>	6574	<i>Aspergillus</i> sp.	6643	<i>Beauveria bassiana</i>
6504	Unidentified / <i>Hyphomycetes</i>	6575	<i>Aspergillus</i> sp.	6644	<i>Beauveria bassiana</i>
6505	<i>Conidiobolus</i> sp.	6576	<i>Fusarium</i> sp.	6645	<i>Metarhizium rileyi</i>
6507	Unidentified / <i>Zygomycetes</i>	6577	<i>Beauveria amorpha</i>	6646	<i>Beauveria bassiana</i>
6508	Unidentified / <i>Zygomycetes</i>	6578	<i>Beauveria bassiana</i>	6647	<i>Beauveria bassiana</i>
6509	Unidentified / <i>Zygomycetes</i>	6579	<i>Gliocladium</i> (?) sp.	6648	<i>Beauveria bassiana</i>
6510	Unidentified / <i>Zygomycetes</i>	6580	<i>Verticillium</i> sp.	6649	<i>Fusarium proliferatum</i>
6511	Unidentified / <i>Zygomycetes</i>	6581	<i>Lecanicillium psalliotae</i>	6650	<i>Beauveria bassiana</i>
6512	<i>Conidiobolus coronatus</i>	6582	<i>Lecanicillium psalliotae</i>	6651	<i>Verticillium lecanii</i>
6513	<i>Beauveria bassiana</i>	6583	<i>Gliocladium</i> (?) sp.	6652	<i>Entomophaga maimaiga</i>
6514	<i>Beauveria bassiana</i>	6584	<i>Simplicillium</i> sp.	6653	<i>Entomophaga maimaiga</i>
6515	<i>Aspergillus nidulans</i> (?)	6585	<i>Bipolaris</i> sp.	6654	<i>Entomophaga maimaiga</i>
6516	<i>Cladosporium sphaerospermum</i>	6586	<i>Cladosporium</i> sp.	6655	<i>Entomophaga maimaiga</i>
6517	<i>Entomophthora thripidum</i>	6587	<i>Fusarium</i> sp.	6656	<i>Entomophaga maimaiga</i>
6518	<i>Entomophthora thripidum</i>	6588	<i>Alternaria</i> sp.	6657	<i>Entomophaga maimaiga</i>
6519	<i>Entomophthora thripidum</i>	6589	<i>Fusarium</i> sp.	6658	<i>Beauveria bassiana</i>
6520	<i>Entomophthora thripidum</i>	6590	<i>Fusarium</i> sp.	6659	<i>Conidiobolus</i> sp.
6521	<i>Entomophthora thripidum</i>	6591	<i>Lecanicillium muscarium</i>	6660	<i>Beauveria bassiana</i>
6522	<i>Entomophthora thripidum</i>	6592	<i>Metarhizium acridum</i>	6661	<i>Beauveria bassiana</i>
6523	<i>Entomophaga maimaiga</i>	6593	<i>Metarhizium minus</i>	6662	<i>Conidiobolus thromboides</i>
6524	<i>Entomophaga maimaiga</i>	6594	<i>Metarhizium minus</i>	6663	<i>Entomophaga maimaiga</i>
6525	<i>Entomophthora thripidum</i>	6595	<i>Metarhizium minus</i>	6664	<i>Entomophaga maimaiga</i>
6526	<i>Beauveria bassiana</i>	6596	<i>Metarhizium minus</i>	6665	<i>Entomophaga maimaiga</i>
6527	<i>Beauveria bassiana</i>			6666	<i>Entomophaga maimaiga</i>

6667	Entomophaga maimaiga	6738	Metarhizium rileyi	6808	Beauveria bassiana
6668	Entomophaga maimaiga	6739	Metarhizium rileyi	6809	Beauveria bassiana
6669	Beauveria bassiana	6740	Metarhizium rileyi	6810	Smittium culisetae
6670	Metarhizium anisopliae sensu lato	6741	Metarhizium rileyi	6811	Entomophthora muscae
6671	Metarhizium anisopliae sensu lato	6742	Metarhizium rileyi	6812	Entomophthora muscae
6672	Metarhizium anisopliae sensu lato	6743	Metarhizium rileyi	6813	Entomophthora muscae
6673	Metarhizium anisopliae sensu lato	6744	Metarhizium rileyi	6814	Entomophthora muscae
6674	Metarhizium anisopliae sensu lato	6745	Metarhizium rileyi	6815	Entomophthora muscae
6675	Metarhizium anisopliae sensu lato	6746	Metarhizium rileyi	6816	Entomophthora schizophorae
6676	Beauveria bassiana	6747	Metarhizium rileyi	6817	Entomophthora schizophorae
6677	Metarhizium anisopliae sensu lato	6748	Metarhizium rileyi	6818	Entomophthora syrphi
6678	Metarhizium anisopliae sensu lato	6749	Metarhizium rileyi	6819	Entomophthora syrphi
6679	Metarhizium anisopliae sensu lato	6750	Metarhizium taii	6820	Entomophthora syrphi
6680	Metarhizium anisopliae sensu lato	6751	Metarhizium taii	6821	Entomophthora muscae
6681	Beauveria bassiana	6752	Metarhizium taii	6822	Beauveria bassiana
6682	Metarhizium anisopliae sensu lato	6753	Metarhizium taii	6823	Beauveria bassiana
6683	Metarhizium anisopliae sensu lato	6754	Metarhizium taii	6824	Beauveria bassiana
6684	Metarhizium anisopliae sensu lato	6755	Metarhizium robertsii	6825	Beauveria bassiana
6685	Metarhizium anisopliae sensu lato	6756	Metarhizium anisopliae sensu lato	6826	Beauveria bassiana
6686	Beauveria bassiana	6757	Metarhizium anisopliae sensu lato	6827	Beauveria amorpha(?)
6687	Beauveria bassiana	6758	Metarhizium anisopliae sensu lato	6828	Cordyceps gunnii
6688	Beauveria bassiana	6759	Metarhizium anisopliae sensu lato	6829	Metarhizium anisopliae sensu lato
6689	Beauveria bassiana	6760	Metarhizium anisopliae sensu lato	6830	Metarhizium anisopliae sensu lato
6690	Beauveria bassiana	6761	Metarhizium anisopliae sensu lato	6831	Metarhizium anisopliae sensu lato
6691	Beauveria sp.	6762	Metarhizium anisopliae sensu lato	6832	Metarhizium anisopliae sensu lato
6692	Beauveria bassiana	6763	Metarhizium anisopliae sensu lato	6833	Metarhizium anisopliae sensu lato
6693	Beauveria bassiana	6764	Metarhizium rileyi	6834	Metarhizium anisopliae sensu lato
6694	Metarhizium anisopliae sensu lato	6765	Metarhizium rileyi	6835	Metarhizium anisopliae sensu lato
6695	Beauveria bassiana	6766	Metarhizium rileyi	6836	Metarhizium anisopliae sensu lato
6696	Beauveria bassiana	6767	Metarhizium rileyi	6837	Metarhizium anisopliae sensu lato
6697	Beauveria bassiana	6768	Metarhizium rileyi	6838	Metarhizium anisopliae sensu lato
6698	Metarhizium anisopliae sensu lato	6769	Metarhizium rileyi	6839	Metarhizium anisopliae sensu lato
6699	Lecanicillium muscarium	6770	Metarhizium rileyi	6840	Metarhizium anisopliae sensu lato
6700	Metarhizium anisopliae sensu lato	6771	Metarhizium rileyi	6841	Metarhizium robertsii
6701	Entomophthora muscae	6772	Metarhizium rileyi	6842	Metarhizium robertsii
6702	Entomophthora syrphi	6773	Metarhizium rileyi	6843	Metarhizium robertsii
6703	Entomophthora schizophorae	6774	Metarhizium rileyi	6844	Metarhizium robertsii
6704	Entomophthora scatophagae	6775	Metarhizium rileyi	6845	Metarhizium robertsii
6705	Entomophthora scatophagae	6776	Metarhizium rileyi	6846	Metarhizium robertsii
6706	Entomophthora muscae	6777	Metarhizium rileyi	6847	Metarhizium robertsii
6707	Entomophthora muscae	6778	Metarhizium rileyi	6848	Metarhizium robertsii
6708	Entomophthora muscae	6779	Metarhizium rileyi	6849	Metarhizium anisopliae sensu lato
6709	Entomophthora muscae	6780	Metarhizium rileyi	6850	Metarhizium anisopliae sensu lato
6710	Entomophthora muscae	6781	Metarhizium rileyi	6851	Metarhizium acridum
6711	Entomophthora muscae	6782	Metarhizium rileyi	6852	Metarhizium acridum
6712	Entomophthora muscae	6783	Metarhizium rileyi	6853	Metarhizium acridum
6713	Entomophthora muscae	6784	Metarhizium rileyi	6854	Metarhizium acridum
6714	Entomophthora muscae	6785	Metarhizium rileyi	6855	Metarhizium acridum
6715	Entomophthora muscae	6786	Metarhizium rileyi	6856	Metarhizium acridum
6716	Entomophthora muscae	6787	Metarhizium rileyi	6857	Metarhizium acridum
6717	Entomophthora muscae	6788	Isaria tenuipes	6858	Metarhizium acridum
6718	Leptolegnia chapmanii	6789	Isaria fumosorosea	6859	Metarhizium acridum
6719	Cordyceps staphylinidaecola	6790	Fusarium sp.	6860	Metarhizium anisopliae sensu lato
6720	Cordyceps staphylinidaecola	6791	Lecanicillium lecanii	6861	Metarhizium anisopliae sensu lato
6721	Beauveria bassiana	6792	Lecanicillium muscarium	6862	Metarhizium anisopliae sensu lato
6722	Beauveria bassiana	6793	Beauveria bassiana	6863	Metarhizium anisopliae sensu lato
6723	Beauveria bassiana	6794	Beauveria bassiana	6864	Metarhizium robertsii
6724	Entomophaga maimaiga	6795	Beauveria bassiana	6865	Metarhizium robertsii
6725	Entomophaga maimaiga	6796	Beauveria bassiana	6866	Metarhizium rileyi
6726	Entomophaga maimaiga	6797	Isaria fumosorosea	6867	Metarhizium rileyi
6727	Entomophaga maimaiga	6798	Isaria fumosorosea	6868	Metarhizium rileyi
6728	Entomophaga maimaiga	6799	Isaria fumosorosea	6869	Metarhizium rileyi
6729	Entomophaga maimaiga	6800	Isaria fumosorosea	6870	Metarhizium rileyi
6730	Isaria fumosorosea	6801	Beauveria bassiana	6871	Metarhizium rileyi
6732	Metarhizium rileyi	6802	Beauveria bassiana	6872	Metarhizium rileyi
6733	Metarhizium rileyi	6803	Beauveria bassiana	6873	Metarhizium rileyi
6734	Metarhizium rileyi	6804	Beauveria bassiana	6874	Metarhizium rileyi
6735	Metarhizium rileyi	6805	Beauveria bassiana	6875	Metarhizium rileyi
6736	Metarhizium rileyi	6806	Beauveria bassiana	6876	Metarhizium rileyi
6737	Metarhizium rileyi	6807	Beauveria bassiana	6877	Metarhizium rileyi

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6878	<i>Metarhizium rileyi</i>	6948	<i>Beauveria bassiana</i>	7018	<i>Metarhizium anisopliae sensu lato</i>
6879	<i>Metarhizium rileyi</i>	6949	<i>Beauveria bassiana</i>	7019	<i>Metarhizium anisopliae sensu lato</i>
6880	<i>Metarhizium rileyi</i>	6950	<i>Beauveria bassiana</i>	7020	<i>Metarhizium anisopliae sensu lato</i>
6881	<i>Metarhizium rileyi</i>	6951	<i>Beauveria bassiana</i>	7021	<i>Metarhizium anisopliae sensu lato</i>
6882	<i>Metarhizium rileyi</i>	6952	<i>Beauveria bassiana</i>	7022	<i>Metarhizium anisopliae sensu lato</i>
6883	<i>Paecilomyces</i> sp.	6953	<i>Beauveria bassiana</i>	7023	<i>Metarhizium anisopliae sensu lato</i>
6884	<i>Beauveria bassiana</i>	6954	<i>Beauveria bassiana</i>	7024	<i>Metarhizium anisopliae sensu lato</i>
6885	<i>Beauveria bassiana</i>	6955	<i>Beauveria bassiana</i>	7025	<i>Metarhizium anisopliae sensu lato</i>
6886	<i>Lecanicillium lecanii</i>	6956	<i>Beauveria bassiana</i>	7026	<i>Metarhizium anisopliae sensu lato</i>
6887	<i>Lecanicillium lecanii</i>	6957	<i>Beauveria bassiana</i>	7027	<i>Aspergillus ochraceus</i> (?)
6888	<i>Lecanicillium lecanii</i>	6958	<i>Metarhizium anisopliae sensu lato</i>	7028	<i>Isaria poprawskii</i>
6889	<i>Isaria tenuipes</i>	6959	<i>Metarhizium anisopliae sensu lato</i>	7029	<i>Isaria fumosorosea</i>
6890	<i>Beauveria bassiana</i> (?)	6960	<i>Metarhizium anisopliae sensu lato</i>	7030	<i>Beauveria bassiana</i>
6891	<i>Beauveria bassiana</i> (?)	6961	<i>Ophiocordyceps robertsii</i>	7031	<i>Acremonium</i> (?) sp.
6892	<i>Beauveria bassiana</i> (?)	6962	<i>Drechmeria coniospora</i>	7032	<i>Beauveria kipukae</i>
6893	<i>Isaria fumosorosea</i>	6963	<i>Drechmeria coniospora</i>	7033	<i>Cladosporium cladosporioides</i> (?)
6894	<i>Beauveria bassiana</i>	6964	<i>Drechmeria coniospora</i>	7034	<i>Lecanicillium muscarium</i>
6895	Unidentified sp.	6965	<i>Drechmeria coniospora</i>	7035	<i>Cladosporium</i> sp.
6896	<i>Gliocladium</i> (?) sp.	6966	<i>Drechmeria coniospora</i>	7036	<i>Acremonium</i> (?) sp.
6897	<i>Beauveria bassiana</i>	6967	<i>Beauveria bassiana</i>	7037	<i>Lecanicillium muscarium</i>
6898	<i>Aspergillus</i> sp.	6968	<i>Beauveria bassiana</i>	7038	<i>Sporothrix</i> sp.
6899	Unidentified sp.	6969	<i>Beauveria bassiana</i>	7039	<i>Cladosporium</i> sp.
6900	<i>Beauveria bassiana</i>	6970	<i>Beauveria bassiana</i>	7040	<i>Paecilomyces reniformis</i>
6901	<i>Metarhizium anisopliae sensu lato</i>	6971	<i>Beauveria pseudobassiana</i>	7041	<i>Paecilomyces reniformis</i>
6902	<i>Pandora neoaphidis</i>	6972	<i>Beauveria pseudobassiana</i>	7042	<i>Sporothrix</i> sp.
6903	<i>Beauveria bassiana</i>	6973	<i>Beauveria bassiana</i>	7043	<i>Beauveria sungii</i>
6904	<i>Beauveria bassiana</i>	6974	<i>Beauveria bassiana</i>	7044	<i>Beauveria sungii</i>
6905	<i>Beauveria bassiana</i>	6975	<i>Beauveria bassiana</i>	7045	<i>Fusarium sacchari</i>
6906	<i>Beauveria bassiana</i>	6976	<i>Beauveria bassiana</i>	7046	<i>Fusarium sacchari</i>
6907	<i>Beauveria bassiana</i>	6977	<i>Beauveria bassiana</i>	7047	<i>Cordyceps bassiana</i>
6908	<i>Beauveria bassiana</i>	6978	<i>Beauveria bassiana</i>	7048	<i>Aspergillus</i> sp.
6909	<i>Metarhizium anisopliae sensu lato</i>	6979	<i>Beauveria bassiana</i>	7049	<i>Beauveria bassiana</i>
6910	<i>Metarhizium anisopliae sensu lato</i>	6980	<i>Beauveria bassiana</i>	7050	<i>Isaria fumosorosea</i>
6911	<i>Metarhizium anisopliae sensu lato</i>	6981	<i>Beauveria bassiana</i>	7051	<i>Isaria fumosorosea</i>
6912	<i>Aschersonia insperata</i>	6982	<i>Beauveria bassiana</i>	7052	<i>Metarhizium rileyi</i>
6913	<i>Conidiobolus antarcticus</i>	6983	<i>Isaria farinosa</i>	7053	<i>Metarhizium rileyi</i>
6914	<i>Lecanicillium muscarium</i>	6984	<i>Beauveria bassiana</i>	7054	<i>Metarhizium rileyi</i>
6915	<i>Lecanicillium lecanii</i>	6985	<i>Purpureocillium lilacinum</i>	7055	<i>Metarhizium rileyi</i>
6916	<i>Isaria fumosorosea</i>	6986	<i>Beauveria bassiana</i>	7056	<i>Metarhizium rileyi</i>
6917	<i>Zoopthora radicans</i>	6987	<i>Beauveria bassiana</i>	7057	<i>Penicillium vulpinum</i>
6918	<i>Entomophthora ferdinandii</i>	6988	<i>Beauveria bassiana</i>	7058	<i>Beauveria brongiartii</i>
6919	<i>Ophiocordyceps heteropoda</i>	6989	<i>Metarhizium anisopliae sensu lato</i>	7059	<i>Metarhizium anisopliae sensu lato</i>
6920	<i>Beauveria bassiana</i>	6990	<i>Metarhizium anisopliae sensu lato</i>	7060	<i>Beauveria bassiana</i>
6921	<i>Beauveria bassiana</i>	6991	<i>Metarhizium anisopliae sensu lato</i>	7061	<i>Beauveria bassiana</i>
6922	<i>Beauveria bassiana</i>	6992	<i>Metarhizium anisopliae sensu lato</i>	7062	<i>Beauveria bassiana</i>
6923	<i>Beauveria bassiana</i>	6993	<i>Metarhizium anisopliae sensu lato</i>	7063	<i>Fusarium</i> sp.
6924	<i>Beauveria bassiana</i>	6994	<i>Metarhizium anisopliae sensu lato</i>	7064	<i>Paecilomyces</i> sp.
6925	<i>Isaria sinclairii</i>	6995	<i>Metarhizium anisopliae sensu lato</i>	7065	<i>Paecilomyces</i> sp.
6926	<i>Metarhizium cylindrosporium</i>	6996	<i>Metarhizium anisopliae sensu lato</i>	7066	Unidentified / <i>Hyphomycetes</i>
6927	<i>Metarhizium viridulum</i>	6997	<i>Metarhizium anisopliae sensu lato</i>	7067	Unidentified / <i>Hyphomycetes</i>
6928	<i>Fusarium</i> sp.	6998	<i>Metarhizium anisopliae sensu lato</i>	7068	<i>Batkoa papillata</i> (?)
6929	<i>Beauveria bassiana</i>	6999	<i>Metarhizium anisopliae sensu lato</i>	7069	<i>Isaria fumosorosea</i>
6930	<i>Metarhizium anisopliae sensu lato</i>	7000	<i>Metarhizium anisopliae sensu lato</i>	7070	Unidentified sp.
6931	<i>Beauveria bassiana</i>	7001	<i>Metarhizium anisopliae sensu lato</i>	7071	<i>Aschersonia</i> sp.
6932	<i>Beauveria bassiana</i>	7002	<i>Metarhizium anisopliae sensu lato</i>	7072	<i>Tilachlidium</i> sp.
6933	<i>Beauveria bassiana</i>	7003	<i>Metarhizium anisopliae sensu lato</i>	7073	<i>Aschersonia</i> sp.
6934	<i>Beauveria bassiana</i>	7004	<i>Metarhizium anisopliae sensu lato</i>	7074	Unidentified / <i>Hyphomycetes</i>
6935	<i>Beauveria bassiana</i>	7005	<i>Metarhizium anisopliae sensu lato</i>	7075	<i>Paecilomyces</i> sp.
6936	<i>Beauveria bassiana</i>	7006	<i>Metarhizium anisopliae sensu lato</i>	7076	Unidentified / <i>Hyphomycetes</i>
6937	<i>Beauveria bassiana</i>	7007	<i>Metarhizium anisopliae sensu lato</i>	7077	<i>Aschersonia</i> sp.
6938	<i>Beauveria bassiana</i>	7008	<i>Metarhizium anisopliae sensu lato</i>	7078	Unidentified / <i>Hyphomycetes</i>
6939	<i>Beauveria bassiana</i>	7009	<i>Metarhizium anisopliae sensu lato</i>	7079	<i>Beauveria</i> sp.
6940	<i>Beauveria bassiana</i>	7010	<i>Conidiobolus coronatus</i>	7080	<i>Aschersonia turbinata</i>
6941	<i>Beauveria bassiana</i>	7011	<i>Conidiobolus coronatus</i>	7081	Unidentified / <i>Hyphomycetes</i>
6942	<i>Beauveria bassiana</i>	7012	<i>Conidiobolus coronatus</i>	7082	<i>Aschersonia</i> sp.
6943	<i>Beauveria bassiana</i>	7013	<i>Conidiobolus coronatus</i>	7083	<i>Aschersonia</i> sp.
6944	<i>Beauveria bassiana</i>	7014	<i>Metarhizium anisopliae sensu lato</i>	7084	<i>Aschersonia</i> sp.
6945	<i>Beauveria bassiana</i>	7015	<i>Metarhizium anisopliae sensu lato</i>	7085	<i>Aschersonia</i> sp.
6946	<i>Beauveria bassiana</i>	7016	<i>Metarhizium anisopliae sensu lato</i>	7086	Unidentified / <i>Hyphomycetes</i>
6947	<i>Beauveria bassiana</i>	7017	<i>Metarhizium anisopliae sensu lato</i>	7087	<i>Aschersonia</i> sp.

7088	<i>Torrubiella</i> sp.	7158	<i>Beauveria bassiana</i>	7229	Unidentified Entomophthorales sp.
7089	<i>Balansia</i> sp.	7159	<i>Beauveria bassiana</i>	7230	Unidentified Entomophthorales sp.
7090	Clavicipitaceae anamorph	7160	<i>Beauveria bassiana</i>	7231	<i>Nomuraea atypicola</i>
7091	<i>Aschersonia</i> sp.	7161	<i>Beauveria bassiana</i>	7232	<i>Torrubiella piperis</i>
7092	<i>Aschersonia</i> sp.	7162	<i>Beauveria bassiana</i>	7233	<i>Fusarium</i> sp.
7093	<i>Beauveria bassiana</i>	7163	<i>Beauveria bassiana</i>	7234	<i>Metarhizium brunneum</i>
7094	<i>Isaria farinosa</i>	7164	<i>Beauveria bassiana</i>	7235	<i>Beauveria bassiana</i>
7095	<i>Polycephalomyces ramosus</i>	7165	<i>Beauveria bassiana</i>	7236	<i>Beauveria bassiana</i>
7096	<i>Septobasidium apiculatum</i>	7166	<i>Beauveria bassiana</i>	7237	<i>Beauveria bassiana</i>
7097	<i>Septobasidium burtii</i>	7167	<i>Beauveria bassiana</i>	7238	<i>Beauveria bassiana</i>
7098	<i>Septobasidium burtii</i>	7168	<i>Beauveria bassiana</i>	7239	<i>Beauveria bassiana</i>
7099	<i>Penicillium sumatrense</i>	7169	<i>Beauveria bassiana</i>	7240	<i>Beauveria bassiana</i>
7100	<i>Smittium culisetae</i>	7170	<i>Beauveria bassiana</i>	7241	<i>Beauveria bassiana</i>
7101	<i>Entomophaga maimaiga</i>	7171	<i>Beauveria bassiana</i>	7242	<i>Beauveria pseudobassiana</i>
7102	<i>Entomophaga maimaiga</i>	7172	<i>Beauveria bassiana</i>	7243	<i>Isaria farinosa</i>
7103	<i>Entomophaga maimaiga</i>	7173	<i>Beauveria bassiana</i>	7244	<i>Beauveria bassiana</i>
7104	<i>Entomophaga maimaiga</i>	7174	<i>Beauveria bassiana</i>	7245	<i>Isaria farinosa</i>
7105	<i>Entomophaga maimaiga</i>	7175	<i>Beauveria bassiana</i>	7246	<i>Beauveria bassiana</i>
7106	<i>Entomophaga maimaiga</i>	7176	<i>Beauveria bassiana</i>	7247	<i>Beauveria bassiana</i>
7107	<i>Entomophaga maimaiga</i>	7177	<i>Beauveria bassiana</i>	7248	<i>Lecanicillium muscarium</i>
7108	<i>Entomophaga maimaiga</i>	7178	<i>Beauveria bassiana</i>	7249	<i>Isaria farinosa</i>
7109	<i>Entomophaga maimaiga</i>	7179	<i>Beauveria bassiana</i>	7250	<i>Beauveria bassiana</i>
7110	<i>Entomophaga maimaiga</i>	7180	<i>Metarhizium anisopliae sensu lato</i>	7251	<i>Beauveria bassiana</i>
7111	<i>Entomophaga maimaiga</i>	7181	<i>Lecanicillium lecanii</i>	7252	<i>Beauveria bassiana</i>
7112	<i>Entomophaga maimaiga</i>	7182	<i>Lecanicillium lecanii</i>	7253	<i>Beauveria bassiana</i>
7113	<i>Entomophaga maimaiga</i>	7183	<i>Entomophaga maimaiga</i>	7254	<i>Beauveria bassiana</i>
7114	<i>Entomophaga maimaiga</i>	7184	<i>Entomophaga maimaiga</i>	7255	<i>Beauveria bassiana</i>
7115	<i>Entomophaga maimaiga</i>	7185	<i>Entomophaga maimaiga</i>	7256	<i>Beauveria bassiana</i>
7116	<i>Entomophaga maimaiga</i>	7186	<i>Entomophaga maimaiga</i>	7257	<i>Beauveria bassiana</i>
7117	<i>Beauveria caledonica</i>	7187	<i>Entomophaga maimaiga</i>	7258	<i>Beauveria bassiana</i>
7118	<i>Isaria farinosa</i>	7188	<i>Entomophaga maimaiga</i>	7259	<i>Beauveria bassiana</i>
7119	<i>Isaria javanica</i>	7189	<i>Entomophaga maimaiga</i>	7260	<i>Beauveria bassiana</i>
7120	<i>Entomophaga maimaiga</i>	7190	<i>Entomophaga maimaiga</i>	7261	<i>Beauveria bassiana</i>
7121	<i>Entomophaga maimaiga</i>	7191	<i>Batrachochytrium dendrobatidis</i>	7262	<i>Isaria farinosa</i>
7122	<i>Entomophaga maimaiga</i>	7192	<i>Cordyceps cardinalis</i>	7263	<i>Isaria farinosa</i>
7123	<i>Entomophaga maimaiga</i>	7193	<i>Cordyceps cardinalis</i>	7264	<i>Beauveria bassiana</i>
7124	<i>Entomophaga maimaiga</i>	7194	<i>Cordyceps cardinalis</i>	7265	<i>Beauveria bassiana</i>
7125	<i>Entomophaga maimaiga</i>	7195	<i>Cordyceps cardinalis</i>	7266	<i>Beauveria bassiana</i>
7126	<i>Entomophaga maimaiga</i>	7196	<i>Cordyceps cardinalis</i>	7267	<i>Beauveria bassiana</i>
7127	<i>Entomophaga maimaiga</i>	7197	<i>Cordyceps cardinalis</i>	7268	<i>Beauveria brongniartii</i>
7128	<i>Pochonia chlamydosporia</i>	7198	<i>Cordyceps cardinalis</i>	7269	<i>Beauveria bassiana</i>
7129	<i>Tolypocladium cylindrosporum</i>	7199	<i>Cordyceps cardinalis</i>	7270	<i>Beauveria bassiana</i>
7130	<i>Nomuraea atypicola</i>	7200	<i>Clonostachys rosea</i>	7271	<i>Beauveria bassiana</i>
7131	<i>Entomophaga maimaiga</i>	7201	<i>Beauveria bassiana</i>	7272	<i>Beauveria bassiana</i>
7132	<i>Entomophaga maimaiga</i>	7202	<i>Beauveria bassiana</i>	7273	<i>Beauveria bassiana</i>
7133	<i>Entomophaga maimaiga</i>	7203	<i>Conidiobolus coronatus</i>	7274	<i>Beauveria bassiana</i>
7134	<i>Entomophaga maimaiga</i>	7204	<i>Isaria fumosorosea</i>	7275	<i>Beauveria bassiana</i>
7135	<i>Entomophaga maimaiga</i>	7205	<i>Isaria fumosorosea</i>	7276	<i>Isaria farinosa</i>
7136	<i>Entomophaga maimaiga</i>	7206	<i>Lecanicillium longisporum</i>	7277	<i>Cordyceps scarabaeicola</i>
7137	<i>Entomophaga maimaiga</i>	7207	<i>Lecanicillium lecanii</i>	7278	<i>Cordyceps scarabaeicola</i>
7138	<i>Entomophaga maimaiga</i>	7208	<i>Zoopthora radicans</i>	7279	<i>Beauveria sungii</i>
7139	<i>Entomophaga maimaiga</i>	7209	<i>Conidiobolus thromboides</i>	7280	<i>Beauveria sungii</i>
7140	<i>Entomophaga aulicae</i>	7210	<i>Conidiobolus thromboides</i>	7281	<i>Beauveria sungii</i>
7141	<i>Entomophaga aulicae</i>	7211	<i>Conidiobolus thromboides</i>	7282	<i>Acremonium alternatum</i>
7142	<i>Entomophaga aulicae</i>	7212	<i>Pandora neoaphidis</i>	7283	<i>Fusarium</i> sp.
7143	<i>Entomophaga aulicae</i>	7213	<i>Pandora neoaphidis</i>	7284	<i>Isaria fumosorosea</i>
7144	<i>Entomophaga aulicae</i>	7214	<i>Pandora neoaphidis</i>	7285	<i>Syspastospora parasitica</i>
7145	<i>Entomophaga aulicae</i>	7215	<i>Conidiobolus thromboides</i>	7286	<i>Hirsutella rhossiliensis</i>
7146	<i>Candida cf. pseudoglebosa</i>	7216	<i>Conidiobolus</i> sp.	7287	<i>Hirsutella rhossiliensis</i>
7147	<i>Beauveria bassiana</i>	7217	<i>Conidiobolus obscurus</i>	7288	<i>Hirsutella minnesotensis</i>
7148	<i>Metarhizium rileyi</i>	7218	<i>Evlachovaea kintrischica</i>	7289	<i>Hirsutella minnesotensis</i>
7149	<i>Metarhizium rileyi</i>	7219	<i>Isaria farinosa</i> (?)	7290	<i>Hirsutella minnesotensis</i>
7150	<i>Metarhizium rileyi</i>	7220	<i>Ophiocordyceps nutans</i>	7291	<i>Hirsutella minnesotensis</i>
7151	<i>Metarhizium rileyi</i>	7221	<i>Cordyceps pruinosa</i>	7292	<i>Hirsutella rhossiliensis</i>
7152	<i>Beauveria bassiana</i>	7222	<i>Cordyceps pseudoinsignis</i>	7293	<i>Hirsutella rhossiliensis</i>
7153	<i>Beauveria bassiana</i>	7223	<i>Torrubiella</i> sp.	7294	<i>Hirsutella minnesotensis</i>
7154	<i>Beauveria bassiana</i>	7224	<i>Lecanicillium muscarium</i>	7295	<i>Hirsutella rhossiliensis</i>
7155	<i>Beauveria bassiana</i>	7226	<i>Pandora neoaphidis</i>	7296	<i>Aschersonia turbinata</i>
7156	<i>Beauveria bassiana</i>	7227	Unidentified Entomophthorales sp.	7297	<i>Aschersonia turbinata</i>
7157	<i>Beauveria bassiana</i>	7228	Unidentified Entomophthorales sp.	7298	<i>Aschersonia turbinata</i>

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7299	<i>Aschersonia turbinata</i>	7374	Unidentified / <i>Hyphomycetes</i>	7444	<i>Metarhizium frigidum</i>
7300	<i>Aschersonia turbinata</i>	7375	<i>Lecanicillium muscarium</i>	7445	<i>Metarhizium frigidum</i>
7301	<i>Aschersonia turbinata</i>	7376	<i>Beauveria brongiartii</i>	7446	<i>Metarhizium frigidum</i>
7302	<i>Aschersonia turbinata</i>	7377	<i>Beauveria bassiana</i>	7447	<i>Metarhizium frigidum</i>
7303	<i>Aschersonia turbinata</i>	7378	<i>Beauveria bassiana</i>	7448	<i>Metarhizium frigidum</i>
7304	<i>Aschersonia turbinata</i>	7379	<i>Beauveria bassiana</i>	7449	<i>Metarhizium robertsii</i>
7305	<i>Aschersonia turbinata</i>	7380	<i>Beauveria bassiana</i>	7450	<i>Metarhizium anisopliae sensu stricto</i>
7306	<i>Aschersonia turbinata</i>	7381	<i>Fusarium sp.</i>	7451	<i>Metarhizium anisopliae sensu lato</i>
7307	<i>Aschersonia cubensis</i>	7382	<i>Fusarium sp.</i>	7452	<i>Metarhizium pingshaense</i>
7308	<i>Aschersonia cubensis</i>	7383	Unidentified / <i>Hyphomycetes</i>	7453	<i>Metarhizium anisopliae var. lepidiotae</i>
7309	<i>Aschersonia cubensis</i>	7384	Unidentified / <i>Hyphomycetes</i>	7454	<i>Zoopthora sp.</i>
7310	<i>Aschersonia sp.</i>	7385	<i>Lecanicillium lecanii</i>	7455	<i>Zoopthora radicans</i>
7311	<i>Aschersonia sp.</i>	7386	Unidentified / <i>Hyphomycetes</i>	7456	<i>Tolyposcladium cylindrosporum</i>
7312	<i>Aschersonia cubensis</i>	7387	<i>Gibellula sp.</i>	7457	<i>Lecanicillium longisporum</i>
7313	<i>Aschersonia sp.</i>	7388	<i>Paecilomyces sp.</i>	7458	<i>Lecanicillium longisporum</i>
7314	<i>Aschersonia sp.</i>	7389	<i>Metarhizium sp.</i>	7459	<i>Lecanicillium longisporum</i>
7315	<i>Aschersonia turbinata</i>	7390	<i>Aschersonia rhombispora</i>	7460	<i>Lecanicillium muscarium</i>
7316	<i>Aschersonia turbinata</i>	7391	<i>Aschersonia andropogonis</i>	7461	<i>Lecanicillium longisporum</i>
7317	<i>Aschersonia sp.</i>	7392	Unidentified / <i>Hyphomycetes</i>	7462	<i>Lecanicillium lecanii</i>
7318	<i>Aschersonia sp.</i>	7393	<i>Aschersonia aleyrodis</i>	7463	<i>Beauveria sp.</i>
7319	<i>Aschersonia sp.</i>	7394	<i>Aschersonia aleyrodis</i>	7464	<i>Beauveria bassiana</i>
7320	<i>Aschersonia sp.</i>	7395	<i>Aschersonia rhombispora</i>	7465	<i>Beauveria bassiana</i>
7321	<i>Aschersonia sp.</i>	7396	<i>Hypocrella andropogonis</i>	7466	<i>Beauveria bassiana</i>
7322	<i>Aschersonia sp.</i>	7397	<i>Hypocrella andropogonis</i>	7467	<i>Beauveria bassiana</i>
7323	<i>Aschersonia sp.</i>	7398	<i>Aschersonia andropogonis</i>	7468	<i>Beauveria bassiana</i>
7324	<i>Aschersonia sp.</i>	7399	<i>Aschersonia rhombispora</i>	7469	<i>Beauveria bassiana</i>
7325	<i>Aschersonia sp.</i>	7400	<i>Aschersonia rhombispora</i>	7470	<i>Beauveria bassiana</i>
7326	<i>Aschersonia sp.</i>	7401	<i>Hypocrella phyllogena</i>	7471	<i>Beauveria bassiana</i>
7327	<i>Aschersonia sp.</i>	7402	<i>Acremonium sp.</i>	7472	<i>Clonostachys rosea</i>
7328	<i>Aschersonia sp.</i>	7403	<i>Evlachovaea sp.</i>	7473	<i>Fusarium sp.</i>
7329	<i>Aschersonia sp.</i>	7404	<i>Beauveria bassiana</i>	7474	<i>Metarhizium anisopliae sensu lato</i>
7331	<i>Aschersonia turbinata</i>	7405	<i>Ascospaera apis</i>	7475	<i>Metarhizium anisopliae sensu lato</i>
7332	<i>Aschersonia turbinata</i>	7406	<i>Ascospaera apis</i>	7476	<i>Metarhizium anisopliae sensu lato</i>
7333	<i>Aschersonia turbinata</i>	7407	<i>Lecanicillium sp.</i>	7477	<i>Isaria javanica</i>
7334	<i>Aschersonia cubensis</i>	7408	<i>Lecanicillium lecanii</i>	7478	<i>Purpureocillium lilacinum</i>
7335	<i>Aschersonia turbinata</i>	7409	<i>Fusarium coccophilum</i>	7479	<i>Metarhizium rileyi</i>
7336	<i>Aschersonia turbinata</i>	7410	<i>Metarhizium pingshaense</i>	7480	<i>Metarhizium rileyi</i>
7337	<i>Aschersonia sp.</i>	7411	<i>Metarhizium lepidiotae</i>	7481	<i>Metarhizium rileyi</i>
7338	<i>Aschersonia sp.</i>	7412	<i>Metarhizium lepidiotae</i>	7482	<i>Metarhizium rileyi</i>
7339	<i>Aschersonia aleyrodis</i>	7413	<i>Metarhizium robertsii</i>	7483	<i>Metarhizium rileyi</i>
7340	<i>Aschersonia aleyrodis</i>	7414	<i>Metarhizium pingshaense</i>	7484	<i>Metarhizium rileyi</i>
7341	<i>Aschersonia andropogonis</i>	7415	<i>Metarhizium pingshaense</i>	7485	<i>Metarhizium anisopliae sensu lato</i>
7342	<i>Aschersonia andropogonis</i>	7416	<i>Metarhizium pingshaense</i>	7486	<i>Metarhizium acridum</i>
7343	<i>Aschersonia aleyrodis</i>	7417	<i>Metarhizium pingshaense</i>	7487	<i>Metarhizium anisopliae sensu stricto</i>
7344	<i>Aschersonia aleyrodis</i>	7418	<i>Metarhizium anisopliae sensu stricto</i>	7488	<i>Metarhizium lepidiotae</i>
7345	Unidentified / <i>Hyphomycetes</i>	7419	<i>Metarhizium anisopliae sensu stricto</i>	7489	<i>Metarhizium anisopliae sensu lato</i>
7346	<i>Hirsutella sp.</i>	7420	<i>Metarhizium guizhouense</i>	7490	<i>Metarhizium anisopliae sensu lato</i>
7347	<i>Isaria fumosorosea</i>	7421	<i>Metarhizium pingshaense</i>	7491	<i>Metarhizium pemphigi</i>
7348	<i>Nomuraea atypicola</i>	7422	<i>Metarhizium pingshaense</i>	7492	<i>Metarhizium anisopliae sensu lato</i>
7349	Unidentified / <i>Hyphomycetes</i>	7423	<i>Metarhizium anisopliae sensu stricto</i>	7493	<i>Metarhizium sp.</i>
7350	Unidentified / <i>Hyphomycetes</i>	7424	<i>Metarhizium robertsii</i>	7494	<i>Metarhizium anisopliae sensu lato</i>
7351	<i>Akanthomyces aculeatus</i>	7425	<i>Metarhizium pingshaense</i>	7495	<i>Metarhizium sp.</i>
7352	<i>Entomophaga maimaiga</i>	7426	<i>Metarhizium anisopliae sensu stricto</i>	7496	<i>Metarhizium anisopliae sensu lato</i>
7353	<i>Entomophaga maimaiga</i>	7427	<i>Metarhizium anisopliae sensu stricto</i>	7497	<i>Metarhizium sp.</i>
7354	<i>Ascopolyporus philodendrus</i>	7428	<i>Metarhizium anisopliae sensu stricto</i>	7498	<i>Metarhizium anisopliae sensu lato</i>
7355	<i>Ascopolyporus villosus</i>	7429	<i>Metarhizium pingshaense</i>	7499	<i>Metarhizium anisopliae sensu lato</i>
7356	<i>Beauveria bassiana</i>	7430	<i>Metarhizium anisopliae sensu stricto</i>	7500	<i>Metarhizium anisopliae sensu lato</i>
7357	<i>Beauveria bassiana</i>	7431	<i>Metarhizium pingshaense</i>	7501	<i>Metarhizium robertsii</i>
7358	<i>Beauveria bassiana</i>	7432	<i>Metarhizium anisopliae sensu stricto</i>	7502	<i>Metarhizium guizhouense</i>
7359	<i>Beauveria bassiana</i>	7433	<i>Metarhizium brunneum</i>	7503	<i>Metarhizium anisopliae sensu lato</i>
7362	<i>Beauveria bassiana</i>	7434	<i>Metarhizium brunneum</i>	7504	<i>Metarhizium anisopliae sensu lato</i>
7363	<i>Beauveria bassiana</i>	7435	<i>Metarhizium pingshaense</i>	7505	<i>Metarhizium majus</i>
7364	<i>Beauveria bassiana</i>	7436	<i>Metarhizium frigidum</i>	7506	<i>Metarhizium anisopliae sensu lato</i>
7365	<i>Beauveria bassiana</i>	7437	<i>Metarhizium frigidum</i>	7507	<i>Metarhizium guizhouense</i>
7368	<i>Ascospaera sp.</i>	7438	<i>Metarhizium frigidum</i>	7508	<i>Clavicipitaceae anamorph</i>
7369		7439	<i>Metarhizium frigidum</i>	7509	<i>Clavicipitaceae anamorph</i>
7370	<i>Batkoa sp.</i>	7440	<i>Metarhizium frigidum</i>	7510	<i>Clavicipitaceae anamorph</i>
7371	<i>Entomophthora muscae</i>	7441	<i>Metarhizium frigidum</i>	7511	<i>Clavicipitaceae anamorph</i>
7372	<i>Evlachovaea sp.</i>	7442	<i>Metarhizium frigidum</i>	7514	<i>Clavicipitaceae anamorph</i>
7373	<i>Lecanicillium sp.</i>	7443	<i>Metarhizium frigidum</i>		

- 7515 Clavicipitaceae anamorph
7516 Cordyceps brongniartii
7517 Cordyceps brongniartii
7518 Beauveria bassiana sensu stricto
7519 Beauveria bassiana
7520 Beauveria bassiana
7521 Beauveria bassiana
7522 Metarhizium anisopliae var. acridum
7523 Isaria fumosorosea
7524 Metarhizium anisopliae sensu lato
7525 Beauveria bassiana
7526 Beauveria bassiana
7527 Metarhizium anisopliae sensu lato
7528 Beauveria brongniartii
7529 Metarhizium anisopliae sensu lato
7530 Lecanicillium lecanii
7531 Isaria farinosa
7532 Metarhizium anisopliae sensu lato
7533 Beauveria bassiana
7534 Beauveria bassiana
7535 Metarhizium anisopliae sensu lato
7536 Metarhizium anisopliae sensu lato
7537 Metarhizium anisopliae sensu lato
7538 Metarhizium anisopliae sensu lato
7539 Tolypocladium cylindrosporum
7540 Beauveria bassiana
7541 Beauveria bassiana
7542 Beauveria amorpha
7543 Evlachovaea sp.
7544 Lecanicillium sp.
7545 Purpureocillium lilacinum
7546 Purpureocillium lilacinum
7547 Purpureocillium lilacinum
7548 Purpureocillium lilacinum
7550 Lecanicillium lecanii
7551 Evlachovaea sp.
7552 Beauveria bassiana
7553 Beauveria bassiana
7554 Beauveria bassiana
7555 Beauveria brongniartii
7556 Beauveria brongniartii
7557 Beauveria brongniartii
7558 Beauveria brongniartii
7559 Beauveria brongniartii
7560 Beauveria brongniartii
7561 Beauveria brongniartii
7562 Beauveria sp.
7563 Beauveria sp.
7564 Beauveria sp.
7565 Beauveria sp.
7566 Beauveria sp.
7567 Beauveria sp.
7568 Lecanicillium muscarium
7569 Metarhizium anisopliae sensu lato
7570 Metarhizium anisopliae sensu lato
7571 Metarhizium anisopliae sensu lato
7572 Metarhizium anisopliae sensu lato
7573 Metarhizium anisopliae sensu lato
7574 Isaria farinosa
7575 Isaria farinosa
7576 Isaria farinosa
7577 Akanthomyces clavatus
7578 Hirsutella sp.
7579 Beauveria sp.
7580 Beauveria sp.
7581 Beauveria bassiana
7582 Beauveria sp.
7583 Beauveria bassiana
7584 Beauveria sp.
7585 Beauveria bassiana
7586 Beauveria sp.
7587 Beauveria sp.
7588 Beauveria sp.
7589 Beauveria sp.
7590 Beauveria bassiana
7591 Beauveria sp.
7592 Beauveria bassiana
7593 Beauveria bassiana
7594 Beauveria sp.
7595 Beauveria sp.
7596 Beauveria bassiana
7597 Beauveria sp.
7598 Beauveria sp.
7599 Evlachovaea sp.
7600 Evlachovaea sp.
7601 Evlachovaea sp.
7602 Evlachovaea sp.
7603 Aschersonia placentia
7604 Aschersonia placentia
7605 Hypocrella javanica
7606 Hypocrella raciborskii
7607 Aschersonia placentia
7608 Aschersonia andropogonis
7609 Aschersonia placentia
7610 Clavicipitaceae anamorph
7611 Aschersonia basicystis
7612 Metarhizium anisopliae sensu lato
7613 Metarhizium anisopliae sensu lato
7614 Metarhizium anisopliae sensu lato
7615 Metarhizium anisopliae sensu lato
7616 Aschersonia placentia
7617 Aschersonia aleyrodis
7618 Clavicipitaceae anamorph
7619 Clavicipitaceae anamorph
7620 Lecanicillium muscarium
7621 Lecanicillium muscarium
7622 Lecanicillium sp.
7623 Simplicillium lanosoniveum
7624 Lecanicillium sp.
7625 Lecanicillium sp.
7626 Lecanicillium sp.
7627 Lecanicillium sp.
7628 Lecanicillium sp.
7629 Lecanicillium sp.
7630 Lecanicillium sp.
7631 Lecanicillium muscarium
7632 Lecanicillium sp.
7633 Lecanicillium muscarium
7634 Lecanicillium sp.
7635 Lecanicillium sp.
7636 Lecanicillium sp.
7637 Aschersonia placentia
7638 Aschersonia andropogonis
7639 Aschersonia andropogonis
7640 Clavicipitaceae anamorph
7641 Aschersonia aleyrodis
7642 Aschersonia aleyrodis
7643 Metarhizium sp.
7644 Metarhizium anisopliae sensu lato
7645 Metarhizium sp.
7646 Clavicipitaceae anamorph
7647 Aschersonia cubensis
7648 Aschersonia cubensis
7649 Clavicipitaceae anamorph
7650 Aschersonia viridans
7652 Aschersonia viridans
7653 Aschersonia viridans
7654 Clavicipitaceae anamorph
7655 Hyperdermium sp.
7656 Aschersonia sp.
7657 Clavicipitaceae anamorph
7658 Torrubiella(?) sp.
7659 Aschersonia aleyrodis
7660 Aschersonia andropogonis
7661 Aschersonia placentia
7662 Aschersonia andropogonis
7663 Hypocrella discoidea
7664 Hypocrella sp.
7665 Clavicipitaceae anamorph
7666 Aschersonia aleyrodis
7667 Hypocrella amazonica
7668 Hypocrella discoidea
7669 Hypocrella amazonica
7670 Aschersonia incrassata
7671 Aschersonia cubensis
7672 Aschersonia andropogonis
7673 Torrubiella sp.
7674 Aschersonia viridans
7675 Aschersonia turbinata
7676 Aschersonia discoidea
7677 Aschersonia aleyrodis
7678 Unidentified / Hyphomycetes
7679 Unidentified / Hyphomycetes
7680 Hypocrella amazonica
7681 Hypocrella discoidea
7682 Regiocrella camerunensis
7683 Clavicipitaceae anamorph
7684 Clavicipitaceae anamorph
7685 Aschersonia andropogonis
7686 Aschersonia placentia
7687 Clavicipitaceae anamorph
7688 Clavicipitaceae anamorph
7689 Clavicipitaceae anamorph
7690 Clavicipitaceae anamorph
7691 Clavicipitaceae anamorph
7692 Clavicipitaceae anamorph
7693 Clavicipitaceae anamorph
7694 Clavicipitaceae anamorph
7695 Clavicipitaceae anamorph
7696 Hypocrella africana
7697 Aschersonia napoleonae
7698 Aschersonia andropogonis
7699 Aschersonia sp.
7700 Aschersonia cubensis
7701 Torrubiella sp.
7702 Aschersonia cubensis
7703 Aschersonia cubensis
7704 Aschersonia cubensis
7705 Hypocrella sp.
7706 Aschersonia aleyrodis
7707 Aschersonia aleyrodis
7708 Torrubiella sp.
7709 Gibellula sp.
7710 Hypocrea rufa
7711 Metarhizium brunneum
7712 Engyodontium album
7713 Engyodontium album
7714 Isaria farinosa
7715 Isaria farinosa
7716 Isaria fumosorosea
7717 Isaria farinosa
7718 Isaria farinosa
7719 Isaria farinosa
7720 Isaria farinosa
7721 Paecilomyces sp.
7722 Isaria farinosa
7723 Isaria farinosa
7724 Isaria farinosa
7725 Isaria farinosa
7726 Isaria farinosa

7727	<i>Isaria farinosa</i>	7797	<i>Aspergillus niger</i>	7866	<i>Metarhizium anisopliae</i> sensu lato
7728	<i>Isaria farinosa</i>	7798	<i>Aspergillus niger</i>	7867	<i>Metarhizium anisopliae</i> sensu lato
7729	<i>Isaria farinosa</i>	7799	<i>Aspergillus niger</i>	7868	<i>Metarhizium anisopliae</i> sensu lato
7730	<i>Isaria farinosa</i>	7800	<i>Paecilomyces</i> sp.	7869	<i>Metarhizium anisopliae</i> sensu lato
7731	<i>Isaria farinosa</i>	7801	<i>Paecilomyces</i> sp.	7870	<i>Metarhizium anisopliae</i> sensu lato
7732	<i>Isaria farinosa</i>	7802	Unidentified / <i>Hyphomycetes</i>	7871	<i>Metarhizium anisopliae</i> sensu lato
7733	<i>Isaria farinosa</i>	7803	<i>Paecilomyces</i> sp.	7872	<i>Metarhizium anisopliae</i> sensu lato
7734	<i>Isaria farinosa</i>	7804	<i>Myrothecium</i> sp.	7873	<i>Metarhizium anisopliae</i> sensu lato
7735	<i>Isaria tenuipes</i>	7805	<i>Engyodontium rectidentatum</i>	7874	<i>Metarhizium anisopliae</i> sensu lato
7736	<i>Isaria farinosa</i>	7806	Unidentified / <i>Hyphomycetes</i>	7875	<i>Metarhizium anisopliae</i> sensu lato
7737	<i>Isaria farinosa</i>	7807	<i>Cordyceps</i> sp.	7876	<i>Metarhizium anisopliae</i> sensu lato
7738	<i>Lecanicillium muscarium</i>	7808	<i>Cordyceps</i> sp.	7877	<i>Beauveria bassiana</i>
7739	<i>Isaria farinosa</i>	7809	<i>Cordyceps militaris</i>	7878	<i>Beauveria bassiana</i>
7740	<i>Isaria fumosorosea</i>	7810	<i>Cordyceps militaris</i>	7879	<i>Metarhizium anisopliae</i> sensu lato
7741	<i>Paecilomyces</i> sp.	7811	<i>Cordyceps</i> sp.	7880	<i>Metarhizium anisopliae</i> sensu lato
7742	<i>Paecilomyces</i> sp.	7812	<i>Tolypocladium cylindrosporum</i>	7881	<i>Metarhizium anisopliae</i> sensu lato
7743	<i>Isaria fumosorosea</i>	7813	<i>Beauveria bassiana</i>	7882	<i>Metarhizium anisopliae</i> sensu lato
7744	<i>Paecilomyces</i> sp.	7814	<i>Metarhizium anisopliae</i> sensu lato	7883	<i>Metarhizium anisopliae</i> sensu lato
7745	<i>Paecilomyces</i> sp.	7815	<i>Metarhizium anisopliae</i> sensu lato	7884	<i>Metarhizium anisopliae</i> sensu lato
7746	<i>Paecilomyces</i> sp.	7816	<i>Metarhizium anisopliae</i> sensu lato	7885	<i>Metarhizium anisopliae</i> sensu lato
7747	<i>Paecilomyces</i> sp.	7817	<i>Metarhizium anisopliae</i> sensu lato	7886	<i>Metarhizium anisopliae</i> sensu lato
7748	<i>Hypocrella macrostroma</i>	7818	<i>Metarhizium anisopliae</i> sensu lato	7887	<i>Metarhizium anisopliae</i> sensu lato
7749	<i>Aschersonia basicystis</i>	7819	<i>Metarhizium anisopliae</i> sensu lato	7888	<i>Metarhizium anisopliae</i> sensu lato
7750	<i>Aschersonia andropogonis</i>	7820	<i>Metarhizium anisopliae</i> sensu lato	7889	<i>Beauveria bassiana</i>
7751	<i>Aschersonia</i> sp.	7821	<i>Metarhizium anisopliae</i> sensu lato	7890	<i>Beauveria bassiana</i>
7752	<i>Hypocrella phyllogena</i>	7822	<i>Metarhizium anisopliae</i> sensu lato	7891	<i>Beauveria bassiana</i>
7753	Clavicipitaceae anamorph	7823	<i>Metarhizium anisopliae</i> sensu lato	7892	<i>Metarhizium anisopliae</i> sensu lato
7754	<i>Aschersonia andropogonis</i>	7824	<i>Metarhizium anisopliae</i> sensu lato	7893	<i>Metarhizium anisopliae</i> sensu lato
7755	<i>Aschersonia andropogonis</i>	7825	<i>Metarhizium anisopliae</i> sensu lato	7894	<i>Metarhizium anisopliae</i> sensu lato
7756	<i>Paecilomyces</i> sp.	7826	<i>Metarhizium anisopliae</i> sensu lato	7895	<i>Metarhizium anisopliae</i> sensu lato
7757	<i>Myrothecium verrucaria</i>	7827	<i>Metarhizium anisopliae</i> sensu lato	7896	<i>Metarhizium anisopliae</i> sensu lato
7758	<i>Beauveria bassiana</i>	7828	<i>Metarhizium anisopliae</i> sensu lato	7897	<i>Metarhizium anisopliae</i> sensu lato
7759	<i>Spicellum ovalispora</i>	7829	<i>Metarhizium anisopliae</i> sensu lato	7898	<i>Metarhizium anisopliae</i> sensu lato
7760	<i>Beauveria malawiensis</i>	7830	<i>Metarhizium anisopliae</i> sensu lato	7899	<i>Metarhizium anisopliae</i> sensu lato
7761	<i>Beauveria brongniartii</i>	7831	<i>Metarhizium anisopliae</i> sensu lato	7900	<i>Metarhizium anisopliae</i> sensu lato
7762	<i>Beauveria brongniartii</i>	7832	<i>Metarhizium anisopliae</i> sensu lato	7901	<i>Metarhizium anisopliae</i> sensu lato
7763	<i>Beauveria bassiana</i>	7833	<i>Metarhizium anisopliae</i> sensu lato	7902	<i>Metarhizium anisopliae</i> sensu lato
7764	<i>Beauveria bassiana</i>	7834	<i>Metarhizium anisopliae</i> sensu lato	7903	<i>Metarhizium anisopliae</i> sensu lato
7765	<i>Beauveria bassiana</i>	7835	<i>Metarhizium anisopliae</i> sensu lato	7904	<i>Metarhizium anisopliae</i> sensu lato
7766	<i>Beauveria bassiana</i>	7836	<i>Metarhizium anisopliae</i> sensu lato	7905	<i>Metarhizium anisopliae</i> sensu lato
7767	<i>Beauveria bassiana</i>	7837	<i>Metarhizium anisopliae</i> sensu lato	7906	<i>Metarhizium anisopliae</i> sensu lato
7768	<i>Beauveria bassiana</i>	7838	<i>Metarhizium anisopliae</i> sensu lato	7907	<i>Metarhizium anisopliae</i> sensu lato
7769	<i>Beauveria bassiana</i>	7839	<i>Metarhizium anisopliae</i> sensu lato	7908	<i>Metarhizium anisopliae</i> sensu lato
7770	<i>Beauveria bassiana</i>	7840	<i>Metarhizium anisopliae</i> sensu lato	7909	<i>Metarhizium anisopliae</i> sensu lato
7771	<i>Beauveria bassiana</i>	7841	<i>Metarhizium anisopliae</i> sensu lato	7910	<i>Metarhizium anisopliae</i> sensu lato
7772	<i>Beauveria bassiana</i>	7842	<i>Metarhizium anisopliae</i> sensu lato	7911	<i>Metarhizium anisopliae</i> sensu lato
7773	<i>Beauveria bassiana</i>	7843	<i>Metarhizium anisopliae</i> sensu lato	7912	<i>Metarhizium anisopliae</i> sensu lato
7774	<i>Beauveria bassiana</i>	7844	<i>Metarhizium anisopliae</i> sensu lato	7913	<i>Metarhizium anisopliae</i> sensu lato
7775	<i>Beauveria bassiana</i>	7845	<i>Metarhizium anisopliae</i> sensu lato	7914	<i>Metarhizium anisopliae</i> sensu lato
7776	<i>Beauveria bassiana</i>	7846	<i>Metarhizium anisopliae</i> sensu lato	7915	<i>Metarhizium anisopliae</i> sensu lato
7777	<i>Isaria farinosa</i>	7847	<i>Metarhizium anisopliae</i> sensu lato	7916	<i>Metarhizium anisopliae</i> sensu lato
7778	<i>Metarhizium rileyi</i>	7848	<i>Cordyceps</i> sp.	7917	<i>Metarhizium anisopliae</i> sensu lato
7779	<i>Metarhizium rileyi</i>	7849	<i>Lecanicillium</i> sp.	7918	<i>Metarhizium anisopliae</i> sensu lato
7780	<i>Metarhizium rileyi</i>	7850	<i>Cordyceps spagazzinii</i>	7919	<i>Metarhizium anisopliae</i> sensu lato
7781	<i>Lecanicillium muscarium</i>	7851	<i>Nomuraea</i> sp.	7920	<i>Metarhizium anisopliae</i> sensu lato
7782	<i>Lecanicillium muscarium</i>	7852	<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i>	7921	<i>Metarhizium anisopliae</i> sensu lato
7783	<i>Lecanicillium longisporum</i>	7853	<i>Beauveria bassiana</i>	7922	<i>Conidiobolus coronatus</i>
7784	<i>Lecanicillium longisporum</i>	7854	<i>Metarhizium anisopliae</i> sensu lato	7923	<i>Lecanicillium longisporum</i>
7785	<i>Lecanicillium muscarium</i>	7855	<i>Metarhizium anisopliae</i> sensu lato	7924	<i>Sporothrix insectorum</i>
7786	<i>Conidiobolus</i> sp.	7856	<i>Metarhizium anisopliae</i> sensu lato	7925	<i>Metarhizium anisopliae</i> sensu lato
7787	<i>Leptolegnia chapmanii</i>	7857	<i>Metarhizium anisopliae</i> sensu lato	7926	<i>Metarhizium anisopliae</i> sensu lato
7788	<i>Zoopthora radicans</i>	7858	<i>Metarhizium anisopliae</i> sensu lato	7927	<i>Metarhizium anisopliae</i> sensu lato
7789	<i>Zoopthora radicans</i>	7859	<i>Metarhizium anisopliae</i> sensu lato	7928	<i>Metarhizium anisopliae</i> sensu lato
7790	<i>Isaria tenuipes</i>	7860	<i>Metarhizium anisopliae</i> sensu lato	7929	<i>Metarhizium pingshaense</i>
7791	<i>Metarhizium rileyi</i>	7861	<i>Metarhizium anisopliae</i> sensu lato	7930	<i>Metarhizium anisopliae</i> sensu lato
7792	<i>Metarhizium rileyi</i>	7862	<i>Metarhizium anisopliae</i> sensu lato	7931	<i>Metarhizium anisopliae</i> sensu lato
7793	<i>Metarhizium rileyi</i>	7863	<i>Metarhizium anisopliae</i> sensu lato	7932	<i>Metarhizium anisopliae</i> sensu lato
7794	<i>Metarhizium rileyi</i>	7864	<i>Metarhizium anisopliae</i> sensu lato	7933	<i>Metarhizium anisopliae</i> sensu lato
7795	<i>Beauveria bassiana</i>	7865	<i>Metarhizium anisopliae</i> sensu lato	7934	<i>Metarhizium anisopliae</i> sensu lato
7796	<i>Beauveria bassiana</i>			7935	<i>Metarhizium anisopliae</i> sensu lato

7936 <i>Metarhizium anisopliae</i> sensu lato	8006 <i>Paecilomyces</i> sp.	8076 <i>Beauveria bassiana</i>
7937 <i>Pandora neophidius</i>	8007 <i>Paecilomyces</i> sp.	8077 <i>Beauveria bassiana</i>
7938 <i>Pandora neophidius</i>	8008 <i>Paecilomyces</i> sp.	8078 <i>Beauveria bassiana</i>
7939 <i>Pandora neophidius</i>	8009 <i>Elaphocordyceps capitata</i>	8079 <i>Beauveria bassiana</i>
7940 <i>Beauveria bassiana</i>	8010 <i>Ophiocordyceps heteropoda</i>	8080 <i>Metarhizium anisopliae</i> sensu stricto
7941 <i>Beauveria bassiana</i>	8011 <i>Cordyceps militaris</i>	8081 <i>Metarhizium anisopliae</i> sensu stricto
7942 <i>Conidiobolus</i> sp.	8012 <i>Cordyceps militaris</i>	8082 <i>Metarhizium anisopliae</i> sensu stricto
7943 Unidentified / <i>Zygomycetes</i>	8013 <i>Elaphocordyceps ophioglossoides</i>	8083 <i>Metarhizium anisopliae</i> sensu stricto
7944 <i>Conidiobolus iuxtagenitus</i>	8014 <i>Metarhizium anisopliae</i> sensu lato	8084 <i>Metarhizium anisopliae</i> sensu stricto
7945 <i>Ascosphaera larvis</i>	8015 <i>Metarhizium anisopliae</i> sensu lato	8085 <i>Metarhizium anisopliae</i> sensu stricto
7946 <i>Ascosphaera larvis</i>	8016 <i>Isaria farinosa</i>	8086 <i>Metarhizium anisopliae</i> sensu stricto
7947 <i>Beauveria bassiana</i>	8017 <i>Isaria farinosa</i>	8087 <i>Metarhizium anisopliae</i> sensu stricto
7948 <i>Beauveria bassiana</i>	8018 <i>Isaria farinosa</i>	8088 <i>Metarhizium anisopliae</i> sensu stricto
7949 <i>Beauveria bassiana</i>	8019 <i>Isaria farinosa</i>	8089 <i>Metarhizium anisopliae</i> sensu stricto
7950 <i>Beauveria bassiana</i>	8020 <i>Isaria farinosa</i>	8090 <i>Metarhizium anisopliae</i> sensu stricto
7951 <i>Beauveria bassiana</i>	8021 <i>Isaria farinosa</i>	8091 <i>Metarhizium anisopliae</i> sensu stricto
7952 <i>Beauveria bassiana</i>	8022 <i>Isaria farinosa</i>	8092 <i>Metarhizium pingshaense</i>
7953 <i>Beauveria bassiana</i>	8023 <i>Conidiobolus coronatus</i>	8093 <i>Metarhizium anisopliae</i> sensu stricto
7954 <i>Beauveria bassiana</i>	8024 <i>Beauveria caledonica</i>	8094 <i>Metarhizium anisopliae</i> sensu stricto
7955 <i>Beauveria bassiana</i>	8025 <i>Beauveria bassiana</i>	8095 <i>Metarhizium anisopliae</i> sensu stricto
7956 <i>Beauveria bassiana</i>	8026 <i>Beauveria bassiana</i>	8096 <i>Metarhizium anisopliae</i> sensu lato
7957 <i>Beauveria bassiana</i>	8027 <i>Beauveria bassiana</i>	8097 <i>Metarhizium pingshaense</i>
7958 <i>Beauveria bassiana</i>	8028 <i>Beauveria bassiana</i>	8098 <i>Metarhizium anisopliae</i> sensu lato
7959 <i>Beauveria bassiana</i>	8029 <i>Beauveria bassiana</i>	8099 <i>Metarhizium anisopliae</i> sensu lato
7960 <i>Beauveria</i> sp.	8030 <i>Beauveria bassiana</i>	8100 <i>Metarhizium anisopliae</i> sensu lato
7961 <i>Isaria farinosa</i>	8031 <i>Beauveria bassiana</i>	8101 <i>Metarhizium anisopliae</i> sensu stricto
7962 <i>Isaria farinosa</i>	8032 <i>Beauveria bassiana</i>	8102 <i>Metarhizium anisopliae</i> sensu stricto
7963 <i>Beauveria bassiana</i>	8033 <i>Beauveria bassiana</i>	8103 <i>Metarhizium anisopliae</i> sensu lato
7964 <i>Beauveria bassiana</i>	8034 <i>Beauveria brongniartii</i>	8104 <i>Metarhizium anisopliae</i> sensu lato
7965 <i>Beauveria bassiana</i>	8035 <i>Beauveria bassiana</i>	8105 <i>Metarhizium anisopliae</i> sensu lato
7966 <i>Beauveria bassiana</i>	8036 <i>Beauveria bassiana</i>	8106 <i>Metarhizium anisopliae</i> sensu lato
7967 <i>Metarhizium anisopliae</i> sensu lato	8037 <i>Beauveria bassiana</i>	8107 <i>Metarhizium anisopliae</i> sensu lato
7968 <i>Beauveria bassiana</i>	8038 <i>Beauveria bassiana</i>	8108 <i>Metarhizium anisopliae</i> sensu lato
7969 <i>Beauveria bassiana</i>	8039 <i>Beauveria bassiana</i>	8109 <i>Metarhizium anisopliae</i> sensu lato
7970 <i>Metarhizium anisopliae</i> var. <i>acidum</i>	8040 <i>Beauveria bassiana</i>	8110 <i>Beauveria</i> sp.
7971 <i>Beauveria bassiana</i>	8041 <i>Lecanicillium muscarium</i>	8111 <i>Beauveria</i> sp.
7972 <i>Beauveria bassiana</i>	8042 <i>Lecanicillium longisporum</i>	8112 <i>Beauveria</i> sp.
7973 <i>Isaria cicadae</i> (?)	8043 <i>Cylindrocarpon</i> sp.	8113 <i>Beauveria</i> sp.
7974 <i>Penicillium</i> sp.	8044 <i>Cylindrocarpon</i> sp.	8114 <i>Lecanicillium muscarium</i>
7975 <i>Aspergillus niger</i> (?)	8045 <i>Beauveria pseudobassiana</i>	8115 <i>Lecanicillium lecanii</i>
7976 <i>Penicillium</i> sp.	8046 <i>Beauveria pseudobassiana</i>	8116 <i>Beauveria</i> sp.
7977 <i>Beauveria bassiana</i>	8047 <i>Schizangiella serpentis</i>	8117 <i>Beauveria</i> sp.
7978 <i>Beauveria bassiana</i>	8048 <i>Lecanicillium muscarium</i>	8118 <i>Lecanicillium muscarium</i>
7979 <i>Metarhizium anisopliae</i> sensu stricto	8049 <i>Lecanicillium muscarium</i>	8119 <i>Beauveria</i> sp.
7980 <i>Metarhizium anisopliae</i> sensu stricto	8050 <i>Lecanicillium muscarium</i>	8120 <i>Beauveria</i> sp.
7981 <i>Metarhizium anisopliae</i> sensu stricto	8051 <i>Lecanicillium muscarium</i>	8121 <i>Beauveria</i> sp.
7982 <i>Beauveria</i> sp.	8052 <i>Lecanicillium muscarium</i>	8122 <i>Beauveria</i> sp.
7983 <i>Beauveria bassiana</i>	8053 <i>Lecanicillium muscarium</i>	8123 <i>Beauveria</i> sp.
7984 <i>Beauveria bassiana</i>	8054 <i>Lecanicillium muscarium</i>	8124 <i>Beauveria</i> sp.
7985 <i>Lecanicillium aphanocladii</i> (?)	8055 <i>Lecanicillium pissodis</i>	8125 <i>Beauveria</i> sp.
7986 <i>Lecanicillium aphanocladii</i> (?)	8056 <i>Lecanicillium pissodis</i>	8126 <i>Beauveria</i> sp.
7987 <i>Lecanicillium aphanocladii</i> (?)	8057 <i>Lecanicillium pissodis</i>	8127 <i>Beauveria</i> sp.
7988 <i>Simplicillium lanosoneum</i> (?)	8058 <i>Evlachovaea kintrischica</i>	8128 <i>Beauveria</i> sp.
7989 <i>Simplicillium lamellicola</i> (?)	8059 <i>Metarhizium pingshaense</i>	8129 <i>Beauveria</i> sp.
7990 <i>Evlachovaea</i> sp.	8060 <i>Metarhizium robertsii</i>	8130 <i>Beauveria</i> sp.
7991 <i>Evlachovaea</i> sp.	8061 <i>Metarhizium pingshaense</i>	8131 <i>Fusarium</i> sp.
7992 <i>Evlachovaea</i> sp.	8062 <i>Metarhizium pingshaense</i>	8132 <i>Beauveria</i> sp.
7993 <i>Evlachovaea</i> sp.	8063 <i>Metarhizium anisopliae</i> sensu lato	8133 <i>Beauveria</i> sp.
7994 <i>Lecanicillium muscarium</i>	8064 <i>Metarhizium lepidiotae</i>	8134 <i>Beauveria</i> sp.
7995 <i>Paecilomyces</i> sp.	8065 <i>Beauveria bassiana</i>	8135 <i>Beauveria</i> sp.
7996 <i>Paecilomyces</i> sp.	8066 <i>Beauveria bassiana</i>	8136 <i>Beauveria</i> sp.
7997 <i>Paecilomyces</i> sp.	8067 <i>Metarhizium anisopliae</i> sensu stricto	8137 <i>Beauveria</i> sp.
7998 <i>Paecilomyces</i> sp.	8068 <i>Metarhizium anisopliae</i> sensu stricto	8138 <i>Beauveria</i> sp.
7999 <i>Paecilomyces</i> sp.	8069 <i>Metarhizium brunneum</i>	8139 <i>Beauveria</i> sp.
8000 <i>Schizangiella serpentis</i>	8070 <i>Metarhizium anisopliae</i> sensu lato	8140 <i>Beauveria</i> sp.
8001 <i>Paecilomyces</i> sp.	8071 <i>Metarhizium anisopliae</i> sensu lato	8141 <i>Beauveria</i> sp.
8002 <i>Paecilomyces</i> sp.	8072 <i>Metarhizium anisopliae</i> sensu stricto	8142 <i>Isaria fumosorosea</i>
8003 <i>Paecilomyces</i> sp.	8073 <i>Metarhizium anisopliae</i> sensu stricto	8143 <i>Beauveria</i> sp.
8004 <i>Paecilomyces</i> sp.	8074 <i>Metarhizium anisopliae</i> sensu stricto	8144 <i>Beauveria</i> sp.
8005 <i>Paecilomyces</i> sp.	8075 <i>Metarhizium anisopliae</i> sensu stricto	8145 <i>Beauveria</i> sp.

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8146	<i>Beauveria</i> sp.	8216	<i>Metarhizium anisopliae</i> sensu stricto	8287	<i>Fusarium</i> sp.
8147	<i>Beauveria</i> sp.	8217	<i>Metarhizium pingshaense</i>	8288	<i>Fusarium</i> sp.
8148	<i>Beauveria</i> sp.	8218	<i>Metarhizium pingshaense</i>	8289	<i>Aspergillus flavus</i>
8149	<i>Beauveria</i> sp.	8219	<i>Metarhizium anisopliae</i> sensu lato	8290	<i>Fusarium</i> sp.
8150	<i>Beauveria</i> sp.	8220	<i>Metarhizium anisopliae</i> sensu lato	8291	<i>Fusarium lateritium</i>
8151	<i>Beauveria</i> sp.	8221	<i>Metarhizium anisopliae</i> sensu lato	8292	<i>Aspergillus</i> sp.
8152	<i>Beauveria</i> sp.	8222	<i>Metarhizium anisopliae</i> sensu lato	8293	<i>Lecanicillium lecanii</i> (?)
8153	<i>Beauveria</i> sp.	8223	<i>Metarhizium anisopliae</i> sensu lato	8294	<i>Lecanicillium lecanii</i> (?)
8154	<i>Beauveria</i> sp.	8224	<i>Metarhizium pingshaense</i>	8295	<i>Lecanicillium lecanii</i>
8155	Unidentified / <i>Hypomyces</i>	8225	<i>Metarhizium pingshaense</i>	8296	<i>Lecanicillium muscarium</i>
8156	<i>Beauveria</i> sp.	8226	<i>Metarhizium anisopliae</i> sensu lato	8297	<i>Lecanicillium longisporum</i>
8157	<i>Lecanicillium muscarium</i>	8227	<i>Metarhizium pingshaense</i>	8298	<i>Fusarium</i> sp.
8158	<i>Beauveria</i> sp.	8228	<i>Metarhizium pingshaense</i>	8299	<i>Fusarium</i> sp.
8159	<i>Beauveria</i> sp.	8229	<i>Metarhizium anisopliae</i> sensu lato	8300	<i>Fusarium</i> sp.
8160	<i>Beauveria</i> sp.	8230	<i>Metarhizium anisopliae</i> sensu lato	8301	<i>Fusarium</i> sp.
8161	<i>Beauveria</i> sp.	8231	<i>Metarhizium anisopliae</i> sensu lato	8302	<i>Fusarium</i> sp.
8162	<i>Lecanicillium muscarium</i> (?)	8232	<i>Metarhizium anisopliae</i> sensu lato	8303	<i>Fusarium graminearum</i>
8163	<i>Lecanicillium muscarium</i>	8233	<i>Metarhizium anisopliae</i> sensu lato	8304	<i>Fusarium sporotrichioides</i>
8164	<i>Beauveria</i> sp.	8234	<i>Metarhizium anisopliae</i> sensu lato	8305	<i>Fusarium sporotrichioides</i>
8165	<i>Lecanicillium muscarium</i>	8235	<i>Metarhizium anisopliae</i> sensu lato	8306	<i>Fusarium sporotrichioides</i>
8166	<i>Beauveria</i> sp.	8236	<i>Metarhizium anisopliae</i> sensu lato	8307	<i>Basidiobolus haptosporus</i>
8167	<i>Beauveria</i> sp.	8237	<i>Beauveria bassiana</i>	8308	<i>Basidiobolus ranarum</i>
8168	<i>Beauveria</i> sp.	8238	<i>Beauveria bassiana</i>	8309	<i>Basidiobolus haptosporus</i>
8169	<i>Beauveria</i> sp.	8239	<i>Beauveria bassiana</i>	8310	<i>Isaria cateniamulata</i>
8170	<i>Beauveria</i> sp.	8240	<i>Beauveria bassiana</i>	8311	<i>Purpureocillium lilacinum</i>
8171	<i>Beauveria</i> sp.	8241	<i>Beauveria bassiana</i>	8312	<i>Purpureocillium lilacinum</i>
8172	<i>Beauveria</i> sp.	8242	<i>Beauveria bassiana</i>	8313	<i>Conidiobolus</i> sp.
8173	<i>Beauveria</i> sp.	8243	<i>Beauveria bassiana</i>	8314	<i>Conidiobolus</i> sp.
8174	<i>Beauveria</i> sp.	8244	<i>Beauveria bassiana</i>	8315	<i>Hirsutella citrififormis</i>
8175	<i>Beauveria</i> sp.	8245	<i>Beauveria bassiana</i>	8316	<i>Paecilomyces</i> sp.
8176	<i>Beauveria</i> sp.	8246	<i>Beauveria bassiana</i>	8317	<i>Beauveria bassiana</i>
8177	<i>Beauveria</i> sp.	8247	<i>Beauveria bassiana</i>	8318	<i>Beauveria bassiana</i>
8178	<i>Beauveria</i> sp.	8248	<i>Metarhizium anisopliae</i> sensu lato	8319	<i>Metarhizium anisopliae</i> sensu lato
8179	Unidentified / <i>Hypomyces</i>	8249	<i>Metarhizium anisopliae</i> sensu lato	8320	<i>Conidiobolus adiaeretus</i>
8180	<i>Beauveria</i> sp.	8250	<i>Beauveria</i> sp.	8321	<i>Metarhizium robertsii</i>
8181	<i>Beauveria</i> sp.	8251	<i>Isaria farinosa</i>	8322	<i>Metarhizium robertsii</i>
8182	<i>Beauveria</i> sp.	8252	<i>Isaria farinosa</i>	8323	<i>Metarhizium anisopliae</i> sensu lato
8183	Unidentified / <i>Hypomyces</i>	8253	<i>Beauveria bassiana</i>	8324	<i>Metarhizium anisopliae</i> sensu lato
8184	Unidentified / <i>Hypomyces</i>	8254	<i>Beauveria pseudobassiana</i>	8325	<i>Metarhizium anisopliae</i> sensu lato
8185	<i>Beauveria</i> sp.	8255	<i>Beauveria bassiana</i>	8326	<i>Metarhizium anisopliae</i> sensu lato
8186	<i>Beauveria</i> sp.	8256	<i>Beauveria pseudobassiana</i>	8327	<i>Metarhizium anisopliae</i> sensu lato
8187	<i>Beauveria</i> sp.	8257	<i>Beauveria varroae</i>	8328	<i>Basidiobolus ranarum</i>
8188	<i>Beauveria</i> sp.	8258	<i>Beauveria pseudobassiana</i>	8329	<i>Basidiobolus meristosporus</i>
8189	<i>Beauveria bassiana</i>	8259	<i>Beauveria varroae</i>	8330	<i>Basidiobolus magnus</i>
8190	<i>Beauveria bassiana</i>	8260	<i>Beauveria bassiana</i>	8331	<i>Basidiobolus haptosporus</i> var. <i>minor</i>
8191	<i>Beauveria bassiana</i>	8261	<i>Beauveria bassiana</i>	8332	<i>Basidiobolus heterosporus</i>
8192	<i>Beauveria bassiana</i>	8262	<i>Beauveria bassiana</i>	8333	<i>Isaria fumosorosea</i>
8193	<i>Beauveria bassiana</i>	8263	<i>Beauveria bassiana</i>	8334	<i>Metarhizium anisopliae</i> sensu lato
8194	<i>Beauveria bassiana</i>	8265	<i>Lecanicillium muscarium</i> (?)	8335	<i>Metarhizium anisopliae</i> sensu lato
8195	<i>Beauveria bassiana</i>	8266	<i>Fusarium</i> sp.	8336	<i>Metarhizium anisopliae</i> sensu lato
8196	<i>Metarhizium anisopliae</i> sensu lato	8267	<i>Fusarium proliferatum</i>	8337	<i>Isaria fumosorosea</i>
8197	<i>Metarhizium anisopliae</i> sensu lato	8268	<i>Purpureocillium lilacinum</i>	8338	<i>Metarhizium anisopliae</i> sensu lato
8198	<i>Metarhizium anisopliae</i> sensu lato	8269	<i>Purpureocillium lilacinum</i>	8339	<i>Beauveria bassiana</i>
8199	<i>Metarhizium anisopliae</i> sensu lato	8270	<i>Metarhizium anisopliae</i> sensu lato	8340	<i>Beauveria bassiana</i>
8200	<i>Aschersonia</i> sp.	8271	<i>Beauveria bassiana</i>	8341	<i>Metarhizium anisopliae</i> sensu lato
8201	<i>Beauveria bassiana</i>	8272	<i>Beauveria bassiana</i>	8342	<i>Metarhizium anisopliae</i> sensu lato
8202	<i>Beauveria bassiana</i>	8273	<i>Beauveria bassiana</i>	8343	<i>Beauveria bassiana</i>
8203	<i>Beauveria bassiana</i>	8274	<i>Beauveria bassiana</i>	8344	<i>Metarhizium anisopliae</i> sensu lato
8204	<i>Beauveria bassiana</i>	8275	<i>Beauveria bassiana</i>	8345	<i>Isaria fumosorosea</i>
8205	<i>Beauveria bassiana</i>	8276	<i>Beauveria bassiana</i>	8346	<i>Metarhizium anisopliae</i> sensu lato
8206	<i>Beauveria bassiana</i>	8277	<i>Fusarium</i> sp.	8347	<i>Metarhizium anisopliae</i> sensu lato
8207	<i>Beauveria bassiana</i>	8278	<i>Fusarium</i> sp.	8348	<i>Isaria fumosorosea</i>
8208	<i>Beauveria bassiana</i>	8279	<i>Fusarium</i> sp.	8349	<i>Beauveria bassiana</i>
8209	<i>Beauveria bassiana</i>	8280	<i>Aspergillus</i> sp.	8350	<i>Metarhizium anisopliae</i> sensu lato
8210	<i>Beauveria bassiana</i>	8281	<i>Fusarium commune</i>	8351	<i>Metarhizium anisopliae</i> sensu lato
8211	<i>Beauveria bassiana</i>	8282	<i>Fusarium sacchari</i>	8352	<i>Metarhizium anisopliae</i> sensu lato
8212	<i>Metarhizium anisopliae</i> sensu lato	8283	<i>Fusarium sacchari</i>	8353	<i>Metarhizium anisopliae</i> sensu lato
8213	<i>Beauveria bassiana</i>	8284	<i>Aspergillus</i> sp.	8354	<i>Beauveria bassiana</i>
8214	<i>Metarhizium novozealandicum</i>	8285	<i>Fusarium sacchari</i>	8355	<i>Beauveria bassiana</i>
8215	<i>Metarhizium robertsii</i>	8286	<i>Fusarium</i> sp.	8356	<i>Beauveria bassiana</i>

8357	<i>Metarhizium anisopliae</i> sensu lato	8427	<i>Conidiobolus adiaeretus</i>	8498	<i>Metarhizium anisopliae</i> sensu lato
8358	<i>Metarhizium anisopliae</i> sensu lato	8428	<i>Conidiobolus megalotocus</i>	8499	<i>Metarhizium anisopliae</i> sensu lato
8359	<i>Metarhizium anisopliae</i> var. <i>acidum</i>	8429	<i>Conidiobolus</i> sp.	8500	<i>Metarhizium anisopliae</i> sensu stricto
8360	<i>Metarhizium anisopliae</i> var. <i>acidum</i>	8430	<i>Conidiobolus stromoideus</i>	8501	<i>Metarhizium anisopliae</i> sensu lato
8361	<i>Hypocrella panamensis</i>	8431	<i>Beauveria bassiana</i>	8502	<i>Metarhizium lepidiotae</i>
8362	<i>Metarhizium anisopliae</i> sensu lato	8432	<i>Metarhizium anisopliae</i> sensu lato	8503	<i>Metarhizium anisopliae</i> sensu lato
8363	<i>Metarhizium anisopliae</i> sensu lato	8433	<i>Metarhizium anisopliae</i> sensu lato	8504	<i>Metarhizium anisopliae</i> sensu lato
8364	<i>Metarhizium anisopliae</i> sensu lato	8434	<i>Metarhizium anisopliae</i> sensu lato	8505	<i>Metarhizium pingshaense</i>
8365	<i>Metarhizium anisopliae</i> sensu lato	8435	<i>Metarhizium anisopliae</i> sensu lato	8506	<i>Metarhizium anisopliae</i> sensu lato
8366	<i>Metarhizium anisopliae</i> sensu lato	8436	<i>Metarhizium anisopliae</i> sensu lato	8507	<i>Metarhizium anisopliae</i> sensu lato
8367	<i>Metarhizium anisopliae</i> sensu lato	8437	<i>Metarhizium anisopliae</i> sensu lato	8508	<i>Metarhizium anisopliae</i> sensu lato
8368	<i>Beauveria bassiana</i>	8438	<i>Metarhizium anisopliae</i> sensu lato	8509	<i>Metarhizium anisopliae</i> sensu lato
8369	<i>Beauveria bassiana</i>	8439	<i>Evlachovaea</i> sp.	8510	<i>Metarhizium anisopliae</i> sensu lato
8370	<i>Beauveria bassiana</i>	8440	<i>Metarhizium anisopliae</i> sensu lato	8511	<i>Metarhizium anisopliae</i> sensu lato
8371	<i>Beauveria bassiana</i>	8441	<i>Evlachovaea</i> sp.	8512	<i>Metarhizium anisopliae</i> sensu lato
8372	<i>Beauveria bassiana</i>	8442	<i>Evlachovaea</i> sp.	8513	<i>Metarhizium anisopliae</i> sensu lato
8373	<i>Beauveria bassiana</i>	8443	<i>Metarhizium anisopliae</i> sensu lato	8514	<i>Metarhizium anisopliae</i> sensu lato
8374	<i>Beauveria bassiana</i>	8444	<i>Beauveria bassiana</i>	8515	<i>Metarhizium brunneum</i>
8375	<i>Metarhizium anisopliae</i> sensu lato	8445	<i>Metarhizium anisopliae</i> sensu lato	8516	<i>Metarhizium anisopliae</i> sensu lato
8376	<i>Metarhizium anisopliae</i> sensu lato	8446	<i>Metarhizium anisopliae</i> sensu lato	8517	<i>Metarhizium anisopliae</i> sensu lato
8377	<i>Metarhizium anisopliae</i> sensu lato	8447	<i>Metarhizium anisopliae</i> sensu lato	8518	<i>Metarhizium anisopliae</i> sensu lato
8378	<i>Hirsutella</i> sp.	8448	<i>Isaria fumosorosea</i>	8519	<i>Aspergillus</i> sp.
8379	<i>Aspergillus sydowii</i>	8449	<i>Evlachovaea</i> sp.	8520	<i>Beauveria bassiana</i>
8380	<i>Aspergillus sydowii</i>	8450	<i>Metarhizium anisopliae</i> sensu lato	8521	<i>Beauveria bassiana</i>
8381	<i>Aspergillus sydowii</i>	8451	<i>Metarhizium anisopliae</i> sensu lato	8522	<i>Beauveria bassiana</i>
8382	<i>Aspergillus sydowii</i>	8452	<i>Metarhizium anisopliae</i> sensu lato	8523	<i>Beauveria bassiana</i>
8383	<i>Beauveria bassiana</i>	8453	<i>Metarhizium anisopliae</i> sensu lato	8524	<i>Beauveria bassiana</i>
8384	<i>Beauveria bassiana</i>	8454	<i>Metarhizium anisopliae</i> sensu lato	8525	<i>Beauveria bassiana</i>
8385	<i>Beauveria bassiana</i>	8455	<i>Conidiobolus coronatus</i>	8526	<i>Beauveria bassiana</i>
8386	<i>Beauveria bassiana</i>	8456	<i>Purpureocillium lilacinum</i>	8527	<i>Metarhizium anisopliae</i> sensu lato
8387	<i>Beauveria bassiana</i>	8457	<i>Aphanocladium</i> sp.	8528	<i>Beauveria bassiana</i>
8388	<i>Beauveria bassiana</i>	8458	<i>Aphanocladium</i> sp.	8529	<i>Beauveria bassiana</i>
8389	<i>Beauveria bassiana</i>	8459	<i>Beauveria bassiana</i>	8530	<i>Beauveria bassiana</i>
8390	<i>Beauveria bassiana</i>	8460	<i>Beauveria bassiana</i>	8531	<i>Metarhizium anisopliae</i> sensu lato
8391	<i>Beauveria bassiana</i>	8461	<i>Beauveria bassiana</i>	8532	<i>Metarhizium anisopliae</i> sensu lato
8392	<i>Beauveria bassiana</i>	8462	<i>Beauveria bassiana</i>	8533	<i>Metarhizium anisopliae</i> sensu lato
8393	<i>Beauveria bassiana</i>	8463	<i>Beauveria bassiana</i>	8534	<i>Metarhizium brunneum</i>
8394	<i>Beauveria bassiana</i>	8464	<i>Beauveria bassiana</i>	8535	<i>Metarhizium anisopliae</i> sensu lato
8395	<i>Beauveria bassiana</i>	8465	<i>Beauveria bassiana</i>	8536	<i>Metarhizium brunneum</i>
8396	<i>Beauveria bassiana</i>	8466	<i>Zoopthora radicans</i>	8537	<i>Metarhizium brunneum</i>
8397	<i>Beauveria bassiana</i>	8467	<i>Gliocladium</i> sp.	8538	<i>Metarhizium anisopliae</i> sensu lato
8398	<i>Beauveria bassiana</i>	8468	<i>Lecanicillium psalliotae</i>	8539	<i>Metarhizium anisopliae</i> sensu lato
8399	<i>Beauveria bassiana</i>	8469	<i>Evlachovaea</i> sp.	8540	<i>Metarhizium anisopliae</i> sensu lato
8400	<i>Beauveria bassiana</i>	8470	<i>Trichoderma</i> sp.	8541	<i>Metarhizium anisopliae</i> sensu lato
8401	<i>Beauveria bassiana</i>	8472	<i>Fusarium</i> sp.	8542	<i>Metarhizium robertsii</i>
8402	<i>Beauveria bassiana</i>	8473	<i>Fusarium</i> sp.	8543	<i>Metarhizium robertsii</i>
8403	<i>Beauveria bassiana</i>	8474	<i>Evlachovaea</i> sp.	8544	<i>Metarhizium robertsii</i>
8404	<i>Beauveria bassiana</i>	8475	<i>Beauveria bassiana</i>	8545	<i>Metarhizium robertsii</i>
8405	<i>Beauveria bassiana</i>	8476	<i>Lecanicillium</i> sp.	8546	<i>Metarhizium robertsii</i>
8406	<i>Beauveria bassiana</i>	8477	<i>Purpureocillium lilacinum</i>	8547	<i>Metarhizium robertsii</i>
8407	<i>Beauveria bassiana</i>	8478	<i>Pochonia chlamydosporia</i>	8548	<i>Metarhizium robertsii</i>
8408	<i>Beauveria bassiana</i>	8479	<i>Evlachovaea</i> sp.	8549	<i>Metarhizium robertsii</i>
8409	<i>Beauveria bassiana</i>	8480	Unidentified / <i>Hyphomycetes</i>	8550	<i>Metarhizium robertsii</i>
8410	<i>Beauveria bassiana</i>	8481	<i>Fusarium</i> sp.	8551	<i>Metarhizium robertsii</i>
8411	<i>Isaria farinosa</i>	8482	<i>Fusarium</i> sp.	8552	<i>Metarhizium robertsii</i>
8412	<i>Beauveria bassiana</i>	8483	<i>Purpureocillium lilacinum</i>	8553	<i>Metarhizium robertsii</i>
8413	<i>Beauveria bassiana</i>	8484	<i>Fusarium</i> sp.	8554	<i>Metarhizium robertsii</i>
8414	<i>Beauveria bassiana</i>	8485	<i>Evlachovaea</i> sp.	8555	<i>Metarhizium pingshaense</i>
8415	<i>Metarhizium brunneum</i>	8486	<i>Evlachovaea</i> sp.	8556	<i>Metarhizium robertsii</i>
8416	<i>Metarhizium brunneum</i>	8487	<i>Evlachovaea</i> sp.	8557	<i>Metarhizium robertsii</i>
8417	<i>Metarhizium brunneum</i>	8488	<i>Evlachovaea</i> sp.	8558	<i>Metarhizium robertsii</i>
8418	<i>Metarhizium brunneum</i>	8489	<i>Evlachovaea</i> sp.	8559	<i>Metarhizium robertsii</i>
8419	<i>Metarhizium brunneum</i>	8490	<i>Evlachovaea</i> sp.	8560	<i>Metarhizium anisopliae</i> sensu stricto
8420	<i>Metarhizium pingshaense</i>	8491	<i>Evlachovaea</i> sp.	8561	<i>Metarhizium anisopliae</i> sensu stricto
8421	<i>Scopulariopsis</i> sp.	8492	<i>Metarhizium anisopliae</i> sensu lato	8562	<i>Metarhizium anisopliae</i> sensu stricto
8422	<i>Scopulariopsis</i> sp.	8493	<i>Beauveria bassiana</i>	8563	<i>Metarhizium robertsii</i>
8423	<i>Scopulariopsis</i> sp.	8494	<i>Beauveria bassiana</i>	8564	<i>Metarhizium anisopliae</i> sensu lato
8424	<i>Harposporium microsporium</i>	8495	<i>Metarhizium anisopliae</i> sensu lato	8565	<i>Metarhizium robertsii</i>
8425	<i>Harposporium lilliputanum</i>	8496	<i>Metarhizium pingshaense</i>	8566	<i>Metarhizium pingshaense</i>
8426	<i>Harposporium oxycoracum</i>	8497	<i>Metarhizium pingshaense</i>	8567	<i>Metarhizium robertsii</i>

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8568	<i>Metarhizium anisopliae</i> sensu lato	8638	<i>Beauveria bassiana</i>	8708	<i>Beauveria bassiana</i>
8569	<i>Metarhizium anisopliae</i> sensu lato	8639	<i>Lecanicillium</i> sp.	8709	<i>Beauveria bassiana</i>
8570	<i>Metarhizium anisopliae</i> sensu stricto	8640	Unidentified / <i>Hyphomycetes</i>	8710	<i>Beauveria bassiana</i>
8571	<i>Metarhizium anisopliae</i> sensu stricto	8641	Unidentified / <i>Hyphomycetes</i>	8711	<i>Beauveria bassiana</i>
8572	<i>Metarhizium anisopliae</i> sensu stricto	8642	<i>Lecanicillium muscarium</i>	8712	<i>Beauveria bassiana</i>
8573	<i>Metarhizium anisopliae</i> sensu lato	8643	<i>Fusarium sporotrichioides</i>	8713	<i>Beauveria bassiana</i>
8574	<i>Metarhizium anisopliae</i> sensu stricto	8644	<i>Fusarium graminearum</i>	8714	<i>Lecanicillium muscarium</i>
8575	<i>Metarhizium anisopliae</i> sensu lato	8645	<i>Fusarium sporotrichioides</i>	8715	<i>Conidiobolus coronatus</i>
8576	<i>Metarhizium robertsii</i>	8646	<i>Fusarium sporotrichioides</i>	8716	<i>Isaria fumosorosea</i>
8577	<i>Metarhizium robertsii</i>	8647	<i>Fusarium sporotrichioides</i>	8717	<i>Isaria fumosorosea</i>
8578	<i>Beauveria bassiana</i>	8648	<i>Fusarium</i> sp.	8718	<i>Isaria fumosorosea</i>
8579	<i>Beauveria bassiana</i>	8649	<i>Fusarium sporotrichioides</i>	8719	<i>Isaria fumosorosea</i>
8580	<i>Metarhizium anisopliae</i> sensu lato	8650	<i>Fusarium</i> sp.	8720	<i>Isaria fumosorosea</i>
8581	<i>Metarhizium anisopliae</i> sensu stricto	8651	<i>Fusarium sporotrichioides</i>	8721	<i>Isaria fumosorosea</i>
8582	<i>Metarhizium robertsii</i>	8652	<i>Fusarium</i> sp.	8722	<i>Hirsutella</i> sp.
8583	<i>Metarhizium robertsii</i>	8653	<i>Metarhizium anisopliae</i> sensu lato	8723	<i>Isaria fumosorosea</i>
8584	<i>Metarhizium anisopliae</i> sensu stricto	8654	<i>Metarhizium anisopliae</i> sensu lato	8724	<i>Isaria fumosorosea</i>
8585	<i>Metarhizium anisopliae</i> sensu stricto	8655	<i>Metarhizium anisopliae</i> sensu lato	8725	<i>Isaria fumosorosea</i>
8586	<i>Metarhizium anisopliae</i> sensu stricto	8656	<i>Metarhizium anisopliae</i> sensu lato	8726	<i>Isaria fumosorosea</i>
8587	<i>Metarhizium anisopliae</i> sensu stricto	8657	<i>Metarhizium anisopliae</i> sensu lato	8727	<i>Isaria fumosorosea</i>
8588	<i>Metarhizium anisopliae</i> sensu stricto	8658	<i>Metarhizium anisopliae</i> sensu lato	8728	<i>Isaria fumosorosea</i>
8589	<i>Metarhizium anisopliae</i> sensu stricto	8659	<i>Metarhizium anisopliae</i> sensu lato	8729	<i>Isaria fumosorosea</i>
8590	<i>Metarhizium anisopliae</i> sensu stricto	8660	<i>Metarhizium anisopliae</i> sensu lato	8730	<i>Isaria fumosorosea</i>
8591	<i>Metarhizium anisopliae</i> sensu lato	8661	<i>Beauveria bassiana</i>	8731	<i>Metarhizium anisopliae</i> sensu lato
8592	<i>Metarhizium robertsii</i>	8662	<i>Metarhizium anisopliae</i> sensu lato	8732	<i>Metarhizium anisopliae</i> var. <i>lepidiotae</i>
8593	<i>Metarhizium pingshaense</i>	8663	<i>Beauveria bassiana</i>	8733	<i>Metarhizium anisopliae</i> sensu lato
8594	<i>Metarhizium anisopliae</i> sensu lato	8664	<i>Beauveria bassiana</i>	8734	<i>Metarhizium anisopliae</i> sensu lato
8595	<i>Metarhizium anisopliae</i> sensu lato	8665	<i>Metarhizium anisopliae</i> sensu lato	8735	<i>Metarhizium anisopliae</i> sensu lato
8596	<i>Metarhizium anisopliae</i> sensu lato	8666	<i>Beauveria bassiana</i>	8736	<i>Metarhizium majus</i>
8597	<i>Metarhizium anisopliae</i> sensu lato	8667	<i>Beauveria bassiana</i>	8737	<i>Metarhizium flavoviride</i>
8598	Unidentified / <i>Hyphomycetes</i>	8668	<i>Beauveria bassiana</i>	8738	<i>Metarhizium anisopliae</i> sensu stricto
8599	<i>Isaria farinosa</i>	8669	<i>Metarhizium anisopliae</i> sensu lato	8739	<i>Metarhizium pingshaense</i>
8600	<i>Purpureocillium lilacinum</i>	8670	<i>Beauveria bassiana</i>	8740	<i>Metarhizium pingshaense</i>
8601	<i>Beauveria bassiana</i>	8671	<i>Metarhizium brunneum</i>	8741	<i>Metarhizium pingshaense</i>
8602	<i>Beauveria bassiana</i>	8672	<i>Beauveria bassiana</i>	8742	<i>Metarhizium pingshaense</i>
8603	<i>Metarhizium anisopliae</i> sensu lato	8673	<i>Beauveria bassiana</i>	8743	<i>Metarhizium pingshaense</i>
8604	<i>Metarhizium anisopliae</i> sensu lato	8674	<i>Beauveria bassiana</i>	8744	<i>Metarhizium anisopliae</i> sensu lato
8605	<i>Metarhizium anisopliae</i> sensu lato	8675	<i>Beauveria</i> sp.	8745	<i>Metarhizium anisopliae</i> sensu lato
8606	<i>Furia ithacensis</i>	8676	<i>Metarhiziopsis microspora</i>	8746	<i>Metarhizium anisopliae</i> sensu lato
8607	<i>Pandora neophidid</i>	8677	<i>Hirsutella citrififormis</i>	8747	<i>Metarhizium anisopliae</i> sensu lato
8608	<i>Metarhizium brunneum</i>	8678	<i>Hirsutella citrififormis</i>	8748	<i>Metarhizium anisopliae</i> sensu lato
8609	<i>Metarhizium acridum</i>	8679	<i>Hirsutella citrififormis</i>	8749	<i>Metarhizium anisopliae</i> sensu lato
8610	<i>Metarhizium anisopliae</i> sensu lato	8680	<i>Metarhizium anisopliae</i> sensu lato	8750	<i>Metarhizium novozealandicum</i>
8611	<i>Metarhizium anisopliae</i> sensu stricto	8681	<i>Metarhizium anisopliae</i> sensu lato	8751	<i>Beauveria bassiana</i>
8612	<i>Metarhizium anisopliae</i> sensu lato	8682	<i>Metarhizium anisopliae</i> sensu lato	8752	<i>Beauveria bassiana</i>
8613	<i>Metarhizium pingshaense</i>	8683	<i>Metarhizium anisopliae</i> sensu lato	8753	<i>Beauveria bassiana</i>
8614	<i>Metarhizium anisopliae</i> sensu stricto	8684	<i>Metarhizium anisopliae</i> sensu lato	8754	<i>Metarhizium anisopliae</i> sensu lato
8615	<i>Metarhizium anisopliae</i> sensu stricto	8685	<i>Metarhizium anisopliae</i> sensu lato	8755	<i>Metarhizium anisopliae</i> sensu lato
8616	<i>Metarhizium anisopliae</i> sensu stricto	8686	<i>Metarhizium anisopliae</i> sensu lato	8756	<i>Beauveria bassiana</i>
8617	<i>Metarhizium anisopliae</i> sensu stricto	8687	<i>Metarhizium anisopliae</i> sensu lato	8757	<i>Beauveria bassiana</i>
8618	<i>Metarhizium pingshaense</i>	8688	<i>Metarhizium anisopliae</i> sensu lato	8758	<i>Metarhizium flavoviride</i>
8619	<i>Metarhizium pingshaense</i>	8689	<i>Metarhizium anisopliae</i> sensu lato	8759	<i>Metarhizium anisopliae</i> sensu lato
8620	<i>Metarhizium anisopliae</i> sensu lato	8690	<i>Metarhizium anisopliae</i> sensu lato	8760	<i>Metarhizium anisopliae</i> sensu lato
8621	<i>Metarhizium pingshaense</i>	8691	<i>Metarhizium anisopliae</i> sensu lato	8761	<i>Metarhizium anisopliae</i> sensu lato
8622	<i>Metarhizium anisopliae</i> sensu stricto	8692	<i>Metarhizium anisopliae</i> sensu lato	8762	<i>Metarhizium anisopliae</i> sensu lato
8623	<i>Metarhizium anisopliae</i> sensu lato	8693	<i>Metarhizium anisopliae</i> sensu lato	8763	<i>Beauveria bassiana</i>
8624	<i>Metarhizium anisopliae</i> sensu lato	8694	<i>Beauveria bassiana</i>	8764	<i>Metarhizium anisopliae</i> sensu lato
8625	<i>Metarhizium anisopliae</i> sensu lato	8695	<i>Beauveria bassiana</i>	8765	<i>Metarhizium anisopliae</i> sensu lato
8626	<i>Metarhizium anisopliae</i> sensu lato	8696	<i>Metarhizium anisopliae</i> sensu lato	8766	<i>Metarhizium anisopliae</i> sensu lato
8627	<i>Metarhizium anisopliae</i> sensu lato	8697	<i>Beauveria bassiana</i>	8767	<i>Metarhizium anisopliae</i> sensu lato
8628	<i>Metarhizium anisopliae</i> sensu lato	8698	<i>Metarhizium anisopliae</i> sensu lato	8768	<i>Metarhizium anisopliae</i> sensu lato
8629	<i>Metarhizium anisopliae</i> sensu lato	8699	<i>Metarhizium</i> sp.	8769	<i>Metarhizium anisopliae</i> sensu lato
8630	<i>Metarhizium anisopliae</i> sensu lato	8700	<i>Metarhizium anisopliae</i> sensu lato	8770	<i>Isaria farinosa</i>
8631	<i>Metarhizium anisopliae</i> sensu lato	8701	<i>Metarhizium anisopliae</i> sensu lato	8771	<i>Beauveria bassiana</i>
8632	<i>Metarhizium anisopliae</i> sensu lato	8702	<i>Metarhizium anisopliae</i> sensu lato	8772	<i>Beauveria bassiana</i>
8633	<i>Aspergillus</i> sp.	8703	<i>Metarhizium anisopliae</i> sensu lato	8773	<i>Beauveria bassiana</i>
8634	<i>Trichoderma</i> sp.	8704	<i>Beauveria bassiana</i>	8774	<i>Beauveria bassiana</i>
8635	<i>Beauveria bassiana</i>	8705	<i>Beauveria bassiana</i>	8775	<i>Metarhizium anisopliae</i> sensu lato
8636	<i>Beauveria bassiana</i>	8706	<i>Beauveria bassiana</i>	8776	<i>Metarhizium anisopliae</i> sensu lato
8637	<i>Beauveria bassiana</i>	8707	<i>Beauveria bassiana</i>		

8777 Metarhizium anisopliae sensu lato	8847 Metarhizium anisopliae sensu lato	8917 Isaria farinosa
8778 Metarhizium anisopliae sensu lato	8848 Metarhizium anisopliae sensu lato	8918 Purpureocillium lilacinum
8779 Metarhizium anisopliae sensu lato	8849 Metarhizium anisopliae sensu lato	8919 Purpureocillium lilacinum
8780 Metarhizium anisopliae sensu lato	8850 Metarhizium anisopliae sensu lato	8920 Purpureocillium lilacinum
8781 Metarhizium anisopliae sensu lato	8851 Metarhizium sp.	8921 Purpureocillium lilacinum
8782 Metarhizium anisopliae sensu lato	8852 Metarhizium sp.	8922 Purpureocillium lilacinum
8783 Metarhizium anisopliae sensu lato	8853 Beauveria bassiana	8923 Lecanicillium muscarium
8784 Metarhizium anisopliae sensu lato	8854 Beauveria bassiana	8924 Myriangium duriaei
8785 Metarhizium anisopliae sensu lato	8855 Metarhizium sp.	8925 Myriangium duriaei
8786 Metarhizium anisopliae sensu lato	8856 Metarhizium sp.	8926 Furia gastropachae
8787 Metarhizium anisopliae sensu lato	8857 Metarhizium sp.	8927 Gibellula sp.
8788 Metarhizium anisopliae sensu lato	8858 Metarhizium anisopliae sensu lato	8928 Isaria fumosorosea
8789 Metarhizium anisopliae sensu lato	8859 Metarhizium anisopliae sensu lato	8929 Beauveria bassiana
8790 Metarhizium anisopliae sensu lato	8860 Metarhizium anisopliae sensu lato	8930 Pandora nouryi
8791 Metarhizium anisopliae sensu lato	8861 Metarhizium anisopliae sensu lato	8931 Pandora nouryi
8792 Metarhizium anisopliae sensu lato	8862 Metarhizium anisopliae sensu lato	8932 Beauveria bassiana
8793 Metarhizium anisopliae sensu lato	8863 Metarhizium anisopliae sensu lato	8933 Beauveria bassiana
8794 Metarhizium anisopliae sensu lato	8864 Metarhizium anisopliae sensu lato	8934 Beauveria bassiana
8795 Metarhizium anisopliae sensu lato	8865 Metarhizium anisopliae sensu lato	8935 Beauveria bassiana
8796 Metarhizium anisopliae sensu lato	8866 Metarhizium anisopliae sensu lato	8936 Beauveria bassiana
8797 Metarhizium anisopliae sensu lato	8867 Metarhizium anisopliae sensu lato	8937 Beauveria bassiana
8798 Metarhizium anisopliae sensu lato	8868 Metarhizium anisopliae sensu lato	8938 Beauveria bassiana
8799 Metarhizium anisopliae sensu lato	8869 Metarhizium anisopliae sensu lato	8939 Beauveria bassiana
8800 Moelleriella zhongdongii	8870 Metarhizium anisopliae sensu lato	8940 Beauveria bassiana
8801 Beauveria bassiana(?)	8871 Metarhizium anisopliae sensu lato	8941 Metarhizium anisopliae sensu lato
8802 Beauveria bassiana(?)	8872 Metarhizium anisopliae sensu lato	8942 Metarhizium anisopliae sensu lato
8803 Beauveria bassiana(?)	8873 Metarhizium anisopliae sensu lato	8943 Metarhizium anisopliae sensu lato
8804 Beauveria bassiana(?)	8874 Metarhizium anisopliae sensu lato	8944 Metarhizium anisopliae sensu lato
8805 Beauveria bassiana(?)	8875 Metarhizium anisopliae sensu lato	8945 Metarhizium anisopliae sensu lato
8806 Isaria farinosa(?)	8876 Metarhizium anisopliae sensu lato	8946 Metarhizium anisopliae sensu lato
8807 Beauveria bassiana(?)	8877 Metarhizium anisopliae sensu lato	8947 Metarhizium anisopliae sensu lato
8808 Beauveria bassiana(?)	8878 Metarhizium anisopliae sensu lato	8948 Metarhizium anisopliae sensu lato
8809 Beauveria bassiana(?)	8879 Metarhizium anisopliae sensu lato	8949 Metarhizium anisopliae sensu lato
8810 Beauveria bassiana(?)	8880 Metarhizium anisopliae sensu lato	8950 Metarhizium anisopliae sensu lato
8811 Beauveria bassiana(?)	8881 Metarhizium anisopliae sensu lato	8951 Metarhizium anisopliae sensu lato
8812 Beauveria bassiana(?)	8882 Metarhizium anisopliae sensu lato	8952 Metarhizium anisopliae sensu lato
8813 Beauveria bassiana(?)	8883 Metarhizium anisopliae sensu lato	8953 Metarhizium anisopliae sensu lato
8814 Beauveria bassiana(?)	8884 Metarhizium anisopliae sensu lato	8954 Metarhizium anisopliae sensu lato
8815 Beauveria bassiana(?)	8885 Metarhizium anisopliae sensu lato	8955 Metarhizium anisopliae sensu lato
8816 Beauveria bassiana(?)	8886 Metarhizium anisopliae sensu lato	8956 Metarhizium anisopliae sensu lato
8817 Beauveria bassiana(?)	8887 Metarhizium anisopliae sensu lato	8957 Metarhizium anisopliae sensu lato
8818 Beauveria bassiana(?)	8888 Hirsutella lecaniicola	8958 Beauveria bassiana
8819 Beauveria bassiana(?)	8889 Beauveria bassiana	8959 Beauveria bassiana
8820 Metarhizium robertsii	8890 Lecanicillium psalliotae	8960 Beauveria bassiana
8821 Harposporium spirosporum	8891 Beauveria bassiana	8961 Beauveria bassiana
8822 Simplicillium lanosoniveum	8892 Isaria fumosorosea	8962 Beauveria bassiana
8823 Metarhizium anisopliae sensu lato	8893 Metarhizium anisopliae sensu lato	8963 Beauveria bassiana
8824 Metarhizium anisopliae sensu lato	8894 Metarhizium anisopliae sensu lato	8964 Beauveria bassiana
8825 Scopulariopsis sp.	8895 Metarhizium anisopliae sensu lato	8965 Beauveria bassiana
8826 Scopulariopsis sp.	8896 Metarhizium anisopliae sensu lato	8966 Beauveria bassiana
8827 Scopulariopsis sp.	8897 Metarhizium anisopliae sensu lato	8967 Beauveria bassiana
8828 Metarhizium anisopliae sensu lato	8898 Metarhizium anisopliae sensu lato	8968 Beauveria bassiana
8829 Metarhizium anisopliae sensu lato	8899 Metarhizium anisopliae sensu lato	8969 Beauveria bassiana
8830 Metarhizium anisopliae sensu lato	8900 Metarhizium anisopliae sensu lato	8970 Beauveria bassiana
8831 Metarhizium anisopliae sensu lato	8901 Metarhizium anisopliae sensu lato	8971 Beauveria bassiana
8832 Metarhizium anisopliae sensu lato	8902 Metarhizium anisopliae sensu lato	8972 Beauveria bassiana
8833 Metarhizium anisopliae sensu lato	8903 Metarhizium anisopliae sensu lato	8973 Beauveria bassiana
8834 Metarhizium anisopliae sensu lato	8904 Metarhizium anisopliae sensu lato	8974 Beauveria bassiana
8835 Beauveria bassiana	8905 Metarhizium anisopliae sensu lato	8975 Beauveria bassiana
8836 Beauveria bassiana	8906 Metarhizium anisopliae sensu lato	8976 Beauveria bassiana
8837 Metarhizium anisopliae sensu lato	8907 Metarhizium anisopliae sensu lato	8977 Beauveria bassiana
8838 Metarhizium anisopliae sensu lato	8908 Metarhizium anisopliae sensu lato	8978 Beauveria bassiana
8839 Metarhizium anisopliae sensu lato	8909 Metarhizium anisopliae sensu lato	8979 Beauveria bassiana
8840 Isaria fumosorosea	8910 Metarhizium anisopliae sensu lato	8980 Beauveria bassiana
8841 Metarhizium anisopliae sensu lato	8911 Metarhizium anisopliae sensu lato	8981 Beauveria bassiana
8842 Metarhizium anisopliae sensu lato	8912 Metarhizium anisopliae sensu lato	8982 Beauveria bassiana
8843 Beauveria bassiana	8913 Metarhizium anisopliae sensu lato	8983 Beauveria bassiana
8844 Metarhizium anisopliae sensu lato	8914 Metarhizium anisopliae sensu lato	8984 Metarhiziopsis microspora
8845 Metarhizium anisopliae sensu lato	8915 Metarhizium anisopliae sensu lato	8985 Metarhiziopsis microspora
8846 Beauveria bassiana	8916 Metarhizium anisopliae sensu lato	8986 Metarhiziopsis microspora

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8987	<i>Metarhizium microspora</i>	9057	<i>Smittium culicis</i>	9127	<i>Smittium culicis</i>
8988	<i>Metarhizium microspora</i>	9058	<i>Smittium culisetae</i>	9128	<i>Smittium culicis</i>
8989	<i>Metarhizium anisopliae sensu lato</i>	9059	<i>Smittium culicis</i>	9129	<i>Smittium culicis</i>
8990	<i>Beauveria bassiana</i>	9060	<i>Smittium morbosum</i>	9130	<i>Smittium culicis</i>
8991	<i>Rotiferophthora angustispora</i>	9061	<i>Smittium morbosum</i>	9131	<i>Smittium culisetae</i>
8992	<i>Rotiferophthora cylindrospora</i>	9062	<i>Smittium culisetae</i>	9132	<i>Smittium culisetae</i>
8993	<i>Pseudomeria mucosa</i>	9063	<i>Smittium mucronatum</i>	9133	<i>Smittium culisetae</i>
8994	<i>Rotiferophthora brevipes</i>	9064	Harpellales, genus undetermined	9134	<i>Smittium simulii</i>
8995	<i>Rotiferophthora globospora</i>	9065	<i>Smittium sp.</i>	9135	<i>Smittium simulii</i>
8996	<i>Aschersonia aleyrodis</i>	9066	<i>Legeriosimilis sp.</i>	9136	<i>Smittium simulii</i>
8997	<i>Aschersonia aleyrodis</i>	9067	<i>Smittium mucronatum</i>	9137	<i>Smittium simulii</i>
8998	<i>Beauveria bassiana</i>	9068	<i>Smittium lentaquaticum</i>	9138	<i>Smittium simulii</i>
8999	<i>Hirsutella sp.</i>	9069	<i>Smittium culisetae</i>	9139	<i>Smittium simulii</i>
9000	<i>Smittium caudatum</i>	9070	<i>Smittium sp.</i>	9140	<i>Smittium culicis</i>
9001	<i>Smittium coloradense</i>	9071	<i>Smittium culisetae</i>	9141	<i>Smittium culicis</i>
9002	<i>Smittium coloradense</i>	9072	<i>Smittium sp.</i>	9142	<i>Smittium culicis</i>
9003	<i>Smittium culicis</i>	9073	<i>Smittium culicis</i>	9143	<i>Smittium culicis</i>
9004	<i>Smittium culicis</i>	9074	<i>Smittium culicis</i>	9144	<i>Smittium mucronatum</i>
9005	<i>Smittium culicis</i>	9075	<i>Smittium culisetae</i>	9145	<i>Smittium sp.</i>
9006	<i>Smittium culicis</i>	9076	<i>Smittium phytotelmatum</i>	9146	<i>Smittium sp.</i>
9007	<i>Smittium culicis</i>	9077	<i>Furculomyces boomerangus</i>	9147	<i>Smittium sp.</i>
9008	<i>Smittium culicis</i>	9078	<i>Smittium simulatum</i>	9148	<i>Smittium sp.</i>
9009	<i>Smittium culicis</i>	9079	<i>Smittium sp.</i>	9149	<i>Smittium culicis</i>
9010	<i>Smittium culicis</i>	9080	<i>Smittium orthocladii</i>	9150	<i>Metarhizium anisopliae sensu lato</i>
9011	<i>Smittium culicis</i>	9081	<i>Smittium sp.</i>	9151	<i>Metarhizium anisopliae sensu lato</i>
9012	<i>Smittium culisetae</i>	9082	<i>Smittium lentaquaticum</i>	9152	<i>Metarhizium anisopliae sensu lato</i>
9013	<i>Smittium culisetae</i>	9083	<i>Smittium fecundum</i>	9153	<i>Metarhizium anisopliae sensu lato</i>
9014	<i>Smittium culisetae</i>	9084	<i>Smittium culicis</i>	9154	<i>Metarhizium anisopliae sensu lato</i>
9015	<i>Smittium culisetae</i>	9085	<i>Smittium commune</i>	9155	<i>Metarhizium anisopliae sensu lato</i>
9016	<i>Smittium culisetae</i>	9086	<i>Smittium sp.</i>	9156	<i>Metarhizium anisopliae sensu lato</i>
9017	<i>Smittium culisetae</i>	9087	<i>Smittium sp.</i>	9157	<i>Metarhizium anisopliae sensu lato</i>
9018	<i>Smittium culisetae</i>	9088	<i>Smittium sp.</i>	9158	<i>Metarhizium anisopliae sensu lato</i>
9019	<i>Smittium simulii</i>	9089	Harpellales, genus undetermined	9159	<i>Metarhizium anisopliae sensu lato</i>
9020	<i>Barbatospora ambicaudata</i>	9090	<i>Smittium mucronatum</i>	9160	<i>Metarhizium anisopliae sensu lato</i>
9021	<i>Furculomyces boomerangus</i>	9091	<i>Smittium culicis</i>	9161	<i>Metarhizium anisopliae sensu lato</i>
9022	<i>Smittium fecundum</i>	9092	<i>Smittium acutum</i>	9162	<i>Metarhizium anisopliae sensu lato</i>
9023	<i>Smittium stenosporum</i>	9093	<i>Smittium culicis</i>	9163	<i>Lecanicillium sp.</i>
9024	<i>Smittium culisetae</i>	9094	<i>Smittium culisetae</i>	9164	<i>Evlachovaea sp.</i>
9025	<i>Smittium culisetae</i>	9095	<i>Smittium culisetae</i>	9165	<i>Evlachovaea sp.</i>
9026	<i>Smittium culisetae</i>	9096	<i>Smittium culisetae</i>	9166	<i>Evlachovaea sp.</i>
9027	<i>Smittium megazygosporum(?)</i>	9097	<i>Smittium culisetae</i>	9167	<i>Evlachovaea sp.</i>
9028	<i>Smittium mucronatum</i>	9098	<i>Smittium culisetae</i>	9168	<i>Evlachovaea sp.</i>
9029	<i>Smittium gravimetallum</i>	9099	<i>Smittium culisetae</i>	9169	<i>Evlachovaea sp.</i>
9030	<i>Smittium tronadorium</i>	9100	<i>Smittium culisetae</i>	9170	<i>Evlachovaea sp.</i>
9031	<i>Smittium culicis</i>	9101	<i>Smittium culisetae</i>	9171	<i>Evlachovaea sp.</i>
9032	<i>Smittium culisetae</i>	9102	<i>Smittium culisetae</i>	9172	<i>Evlachovaea sp.</i>
9033	<i>Smittium imitatum</i>	9103	<i>Smittium culisetae</i>	9173	<i>Evlachovaea sp.</i>
9034	<i>Smittium sp.</i>	9104	<i>Smittium culisetae</i>	9174	<i>Evlachovaea sp.</i>
9035	<i>Smittium sp.</i>	9105	<i>Smittium culisetae</i>	9175	<i>Lecanicillium sp.</i>
9036	<i>Smittium gravimetallum</i>	9106	<i>Smittium culisetae</i>	9176	<i>Lecanicillium sp.</i>
9037	<i>Smittium megazygosporum</i>	9107	<i>Smittium culisetae</i>	9177	<i>Lecanicillium sp.</i>
9038	<i>Smittium sp.</i>	9108	<i>Smittium culisetae</i>	9178	<i>Beauveria bassiana</i>
9039	<i>Smittium culisetae</i>	9109	<i>Smittium culisetae</i>	9179	<i>Beauveria bassiana</i>
9040	<i>Smittium culicis</i>	9110	<i>Smittium culisetae</i>	9180	<i>Hirsutella citrifomis</i>
9041	<i>Smittium culicis</i>	9111	<i>Smittium culisetae</i>	9181	<i>Amoebidium appalachense</i>
9042	<i>Smittium simulatum</i>	9112	<i>Smittium culisetae</i>	9182	<i>Amoebidium parasiticum</i>
9043	<i>Smittium simulii</i>	9113	<i>Smittium culisetae</i>	9183	<i>Amoebidium parasiticum</i>
9044	<i>Smittium culicisoides</i>	9114	<i>Smittium culisetae</i>	9184	<i>Beauveria bassiana</i>
9045	<i>Smittium culicis</i>	9115	<i>Smittium culisetae</i>	9185	<i>Evlachovaea sp.</i>
9046	<i>Smittium culicis</i>	9116	<i>Smittium cylindrosporum</i>	9186	<i>Evlachovaea sp.</i>
9047	<i>Smittium culisetae</i>	9117	<i>Smittium simulatum</i>	9187	<i>Evlachovaea sp.</i>
9048	<i>Smittium culisetae</i>	9118	<i>Smittium simulii</i>	9188	<i>Evlachovaea sp.</i>
9049	<i>Smittium simulii</i>	9119	<i>Smittium sp.</i>	9189	<i>Evlachovaea sp.</i>
9050	<i>Smittium sp.</i>	9120	<i>Smittium sp.</i>	9190	<i>Evlachovaea sp.</i>
9051	<i>Smittium sp.</i>	9121	<i>Smittium sp.</i>	9191	<i>Evlachovaea sp.</i>
9052	<i>Smittium tipulidarum</i>	9122	<i>Smittium tipulidarum</i>	9192	<i>Evlachovaea sp.</i>
9053	<i>Smittium tipulidarum</i>	9123	<i>Smittium culicis</i>	9193	<i>Beauveria bassiana</i>
9054	<i>Smittium tipulidarum</i>	9124	<i>Smittium culicis</i>	9194	<i>Beauveria bassiana</i>
9055	<i>Smittium perforatum(?)</i>	9125	<i>Smittium culicis</i>	9195	<i>Beauveria bassiana</i>
9056	<i>Smittium culisetae</i>	9126	<i>Smittium culicis</i>	9196	<i>Beauveria bassiana</i>

9197	<i>Beauveria bassiana</i>	9271	<i>Beauveria bassiana</i> (?)	9341	<i>Beauveria</i> sp.
9198	<i>Beauveria bassiana</i>	9272	<i>Beauveria</i> sp.	9342	<i>Beauveria</i> sp.
9199	<i>Beauveria bassiana</i>	9273	<i>Fusarium</i> sp.	9343	<i>Beauveria</i> sp.
9200	<i>Beauveria bassiana</i>	9274	<i>Fusarium</i> sp.	9344	<i>Beauveria</i> sp.
9201	<i>Beauveria bassiana</i>	9275	<i>Isaria farinosa</i>	9345	<i>Beauveria bassiana</i>
9202	<i>Beauveria bassiana</i>	9276	<i>Isaria farinosa</i>	9346	<i>Beauveria bassiana</i>
9203	<i>Beauveria bassiana</i>	9277	<i>Isaria farinosa</i>	9347	<i>Beauveria bassiana</i>
9204	<i>Beauveria bassiana</i>	9278	<i>Isaria farinosa</i>	9348	<i>Beauveria bassiana</i>
9205	<i>Beauveria bassiana</i>	9279	<i>Metarhizium anisopliae</i> sensu lato	9349	<i>Beauveria bassiana</i>
9206	<i>Beauveria bassiana</i>	9280	<i>Metarhizium anisopliae</i> sensu lato	9350	<i>Beauveria bassiana</i>
9207	<i>Beauveria bassiana</i>	9281	<i>Metarhizium anisopliae</i> sensu lato	9351	<i>Beauveria bassiana</i>
9208	<i>Beauveria bassiana</i>	9282	<i>Metarhizium anisopliae</i> sensu lato	9352	<i>Beauveria bassiana</i>
9209	<i>Beauveria bassiana</i>	9283	<i>Metarhizium anisopliae</i> sensu lato	9353	<i>Beauveria bassiana</i>
9210	<i>Beauveria bassiana</i>	9284	<i>Metarhizium anisopliae</i> sensu lato	9354	<i>Metarhizium anisopliae</i>
9211	<i>Beauveria bassiana</i>	9285	<i>Metarhizium anisopliae</i> sensu lato	9355	<i>Beauveria bassiana</i>
9212	<i>Beauveria bassiana</i>	9286	<i>Metarhizium anisopliae</i> sensu lato	9356	<i>Purpureocillium lilacinum</i>
9213	<i>Beauveria bassiana</i>	9287	<i>Metarhizium anisopliae</i> sensu lato	9357	<i>Purpureocillium lilacinum</i>
9214	<i>Beauveria bassiana</i>	9288	<i>Metarhizium anisopliae</i> sensu lato	9358	<i>Metarhizium pemphigi</i>
9215	<i>Beauveria bassiana</i>	9289	<i>Beauveria bassiana</i>	9359	<i>Myrothecium verrucaria</i>
9216	<i>Beauveria bassiana</i>	9290	<i>Beauveria bassiana</i>	9360	Eurotiomycetes, genus undetermined
9217	<i>Metarhizium anisopliae</i> sensu lato	9291	<i>Beauveria bassiana</i>	9361	Eurotiomycetes, genus undetermined
9218	<i>Metarhizium anisopliae</i> sensu lato	9292	<i>Isaria farinosa</i>	9362	<i>Exophiala</i> sp.
9219	<i>Beauveria bassiana</i>	9293	<i>Isaria farinosa</i>	9363	<i>Tripaspermum</i> sp.
9220	<i>Beauveria bassiana</i>	9294	<i>Isaria fumosorosea</i>	9364	Unidentified / <i>Hyphomycetes</i>
9221	<i>Beauveria bassiana</i>	9295	<i>Conidiobolus coronatus</i>	9365	<i>Rhinocladiella</i> (?) sp.
9222	<i>Beauveria bassiana</i>	9296	<i>Conidiobolus coronatus</i>	9366	Unidentified / <i>Hyphomycetes</i>
9223	<i>Beauveria bassiana</i>	9297	<i>Beauveria bassiana</i>	9367	<i>Doratomyces</i> (?) sp.
9224	<i>Beauveria bassiana</i>	9298	<i>Beauveria bassiana</i>	9368	<i>Acremonium</i> (?) sp.
9225	<i>Beauveria bassiana</i>	9299	<i>Beauveria bassiana</i>	9369	<i>Lecanicillium</i> (?) sp.
9226	<i>Beauveria bassiana</i>	9300	<i>Beauveria bassiana</i>	9370	<i>Beauveria bassiana</i>
9227	<i>Beauveria bassiana</i>	9301	<i>Beauveria bassiana</i>	9371	<i>Purpureocillium lilacinum</i>
9228	<i>Beauveria bassiana</i>	9302	<i>Beauveria bassiana</i>	9372	<i>Metarhizium anisopliae</i> sensu lato
9229	<i>Beauveria bassiana</i>	9303	<i>Metarhizium anisopliae</i> sensu lato	9373	<i>Metarhizium anisopliae</i> sensu lato
9230	<i>Beauveria bassiana</i>	9304	<i>Metarhizium anisopliae</i> sensu lato	9374	<i>Metarhizium anisopliae</i> sensu lato
9231	<i>Beauveria bassiana</i>	9305	<i>Metarhizium anisopliae</i> sensu lato	9375	<i>Aspergillus clavatus</i>
9232	<i>Beauveria bassiana</i>	9306	<i>Metarhizium anisopliae</i> sensu lato	9376	<i>Aspergillus flavus</i>
9233	<i>Beauveria bassiana</i>	9307	<i>Metarhizium anisopliae</i> sensu lato	9377	<i>Fusarium</i> sp.
9234	<i>Beauveria bassiana</i>	9308	<i>Metarhizium anisopliae</i> sensu lato	9378	<i>Aspergillus flavus</i>
9235	<i>Metarhizium anisopliae</i> sensu lato	9309	<i>Metarhizium anisopliae</i> sensu lato	9379	<i>Aspergillus clavatus</i>
9236	<i>Metarhizium anisopliae</i> sensu lato	9310	<i>Metarhizium anisopliae</i> sensu lato	9380	<i>Isaria fumosorosea</i>
9237	<i>Evlachovaea</i> sp.	9311	<i>Metarhizium anisopliae</i> sensu lato	9381	<i>Aspergillus flavus</i>
9238	<i>Purpureocillium lilacinum</i>	9312	<i>Metarhizium anisopliae</i> sensu lato	9382	<i>Harposporium cocleatum</i>
9239	<i>Purpureocillium lilacinum</i>	9313	<i>Metarhizium anisopliae</i> sensu lato	9383	<i>Pseudomeria mucosa</i>
9240	<i>Purpureocillium lilacinum</i>	9314	<i>Metarhizium anisopliae</i> sensu lato	9384	<i>Pseudomeria mucosa</i>
9241	<i>Smittium angustum</i>	9315	<i>Metarhizium anisopliae</i> sensu lato	9385	<i>Rotiferophthora angustispora</i>
9242	<i>Smittium annulatum</i>	9316	<i>Metarhizium anisopliae</i> sensu lato	9386	<i>Rotiferophthora angustispora</i>
9243	<i>Smittium commune</i>	9317	<i>Metarhizium anisopliae</i> sensu lato	9387	<i>Rotiferophthora tagenophora</i>
9244	<i>Smittium commune</i>	9318	<i>Metarhizium anisopliae</i> sensu lato	9388	<i>Beauveria bassiana</i>
9245	<i>Smittium commune</i>	9319	<i>Metarhizium anisopliae</i> sensu lato	9389	<i>Beauveria bassiana</i>
9246	<i>Smittium culisetae</i>	9320	<i>Metarhizium anisopliae</i> sensu lato	9390	<i>Beauveria bassiana</i>
9247	<i>Smittium culisetae</i>	9321	<i>Metarhizium anisopliae</i> sensu lato	9391	<i>Beauveria bassiana</i>
9248	<i>Smittium cylindrosporum</i>	9322	<i>Metarhizium anisopliae</i> sensu lato	9392	<i>Beauveria bassiana</i>
9249	<i>Smittium cylindrosporum</i>	9323	<i>Metarhizium anisopliae</i> sensu lato	9393	<i>Beauveria bassiana</i>
9250	<i>Smittium dipterorum</i>	9324	<i>Metarhizium anisopliae</i> sensu lato	9394	<i>Beauveria bassiana</i>
9251	<i>Smittium elongatum</i>	9325	<i>Metarhizium anisopliae</i> sensu lato	9395	<i>Beauveria bassiana</i>
9253	<i>Smittium lentaquaticum</i>	9326	<i>Metarhizium anisopliae</i> sensu lato	9396	<i>Beauveria bassiana</i>
9255	<i>Amoebidium appalachense</i>	9327	<i>Metarhizium anisopliae</i> sensu lato	9397	<i>Beauveria bassiana</i>
9256	<i>Amoebidium appalachense</i>	9328	<i>Metarhizium anisopliae</i> sensu lato	9398	<i>Beauveria bassiana</i>
9257	<i>Amoebidium parasiticum</i>	9329	<i>Metarhizium anisopliae</i> sensu lato	9399	<i>Beauveria bassiana</i>
9258	<i>Capniomyces stellatus</i>	9330	<i>Metarhizium anisopliae</i> sensu lato	9400	<i>Beauveria bassiana</i>
9259	<i>Furculomyces boomerangus</i>	9331	<i>Metarhizium anisopliae</i> sensu lato	9401	<i>Beauveria bassiana</i>
9261	<i>Smittium caudatum</i>	9332	<i>Metarhizium anisopliae</i> sensu lato	9402	<i>Beauveria bassiana</i>
9263	<i>Smittium dipterorum</i>	9333	<i>Metarhizium anisopliae</i> sensu lato	9403	<i>Beauveria bassiana</i>
9264	<i>Smittium gravimetalum</i>	9334	Unidentified sp.	9404	<i>Beauveria bassiana</i>
9265	<i>Smittium</i> sp.	9335	<i>Beauveria</i> sp.	9405	<i>Beauveria bassiana</i>
9266	<i>Pandora heteropterae</i>	9336	<i>Beauveria</i> sp.	9406	<i>Beauveria bassiana</i>
9267	<i>Lecanicillium muscarium</i>	9337	<i>Beauveria</i> sp.	9407	<i>Beauveria bassiana</i>
9268	<i>Lecanicillium muscarium</i>	9338	<i>Beauveria</i> sp.	9408	<i>Beauveria bassiana</i>
9269	<i>Isaria farinosa</i>	9339	<i>Beauveria</i> sp.	9409	<i>Beauveria bassiana</i>
9270	<i>Isaria farinosa</i>	9340	<i>Beauveria</i> sp.	9410	<i>Beauveria bassiana</i>

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9411	<i>Beauveria bassiana</i>	9481	<i>Simplicillium lamellicola</i>	9551	<i>Beauveria bassiana</i>
9412	<i>Beauveria bassiana</i>	9482	<i>Lecanicillium fungicola</i>	9552	<i>Beauveria bassiana</i>
9413	<i>Beauveria bassiana</i>	9483	<i>Lecanicillium fungicola</i>	9553	<i>Beauveria bassiana</i>
9414	<i>Beauveria bassiana</i>	9484	<i>Cordyceps militaris</i>	9554	<i>Beauveria bassiana</i>
9415	<i>Beauveria bassiana</i>	9485	<i>Elaphocordyceps ophioglossoides</i>	9555	<i>Beauveria bassiana</i>
9416	<i>Beauveria bassiana</i>	9486	<i>Cordyceps</i> sp.	9556	<i>Beauveria bassiana</i>
9417	<i>Beauveria bassiana</i>	9487	<i>Metarhizium anisopliae</i>	9557	<i>Beauveria bassiana</i>
9418	<i>Beauveria bassiana</i>	9488	<i>Metarhizium anisopliae</i>	9558	<i>Beauveria bassiana</i>
9419	<i>Beauveria bassiana</i>	9489	<i>Metarhizium rileyi</i>	9559	<i>Beauveria bassiana</i>
9420	<i>Beauveria bassiana</i>	9490	<i>Metarhizium rileyi</i>	9560	<i>Beauveria bassiana</i>
9421	<i>Beauveria bassiana</i>	9491	<i>Clonostachys rosea</i>	9561	<i>Beauveria bassiana</i>
9422	<i>Beauveria bassiana</i>	9492	<i>Clonostachys rosea</i>	9562	<i>Beauveria bassiana</i>
9423	<i>Beauveria bassiana</i>	9493	<i>Clonostachys rosea</i>	9563	<i>Beauveria bassiana</i>
9424	<i>Beauveria bassiana</i>	9494	<i>Pochonia chlamydosporia</i>	9564	<i>Beauveria bassiana</i>
9425	<i>Beauveria bassiana</i>	9495	<i>Metapochonia suchlasporia</i>	9565	<i>Beauveria bassiana</i>
9426	<i>Beauveria bassiana</i>	9496	<i>Polycephalomyces</i> sp.	9566	<i>Beauveria bassiana</i>
9427	<i>Beauveria bassiana</i>	9497	<i>Polycephalomyces</i> sp.	9567	<i>Isaria farinosa</i> (?)
9428	<i>Beauveria bassiana</i>	9498	<i>Rotiferophthora angustispora</i>	9568	<i>Isaria farinosa</i> (?)
9429	<i>Beauveria bassiana</i>	9499	<i>Clonostachys candelabrum</i>	9569	<i>Isaria farinosa</i> (?)
9430	<i>Beauveria bassiana</i>	9500	<i>Sporothrix ghanensis</i>	9570	<i>Isaria farinosa</i> (?)
9431	<i>Beauveria bassiana</i>	9501	<i>Sporothrix insectorum</i>	9571	<i>Isaria farinosa</i> (?)
9432	<i>Beauveria bassiana</i>	9502	<i>Sporothrix insectorum</i>	9572	<i>Isaria farinosa</i> (?)
9433	<i>Beauveria bassiana</i>	9503	<i>Tolypocladium cylindrosporum</i>	9573	<i>Isaria farinosa</i> (?)
9434	<i>Beauveria bassiana</i>	9504	<i>Tolypocladium geodes</i>	9574	<i>Isaria farinosa</i>
9435	<i>Beauveria bassiana</i>	9505	<i>Tolypocladium geodes</i>	9575	<i>Isaria farinosa</i>
9436	<i>Beauveria bassiana</i>	9506	<i>Tolypocladium inflatum</i>	9576	<i>Isaria farinosa</i>
9437	<i>Beauveria bassiana</i>	9507	<i>Tolypocladium inflatum</i>	9577	<i>Isaria farinosa</i>
9438	<i>Beauveria bassiana</i>	9508	<i>Isaria</i> sp.	9578	<i>Isaria farinosa</i>
9439	<i>Metarhizium anisopliae</i> sensu lato	9509	<i>Isaria coleopterorum</i>	9579	<i>Isaria farinosa</i>
9440	<i>Lecanicillium aphanocladii</i>	9510	<i>Isaria farinosa</i>	9580	<i>Isaria farinosa</i>
9441	<i>Beauveria bassiana</i>	9511	<i>Isaria farinosa</i>	9581	<i>Isaria farinosa</i> (?)
9442	<i>Beauveria bassiana</i>	9512	<i>Isaria farinosa</i>	9582	<i>Isaria fumosorosea</i>
9443	<i>Beauveria bassiana</i>	9513	<i>Isaria farinosa</i>	9583	<i>Isaria fumosorosea</i>
9444	<i>Beauveria bassiana</i>	9514	<i>Isaria farinosa</i>	9584	<i>Isaria fumosorosea</i>
9445	<i>Beauveria bassiana</i>	9515	<i>Isaria farinosa</i>	9585	<i>Isaria fumosorosea</i>
9446	<i>Beauveria bassiana</i>	9516	<i>Isaria farinosa</i>	9586	<i>Isaria fumosorosea</i>
9447	<i>Beauveria bassiana</i>	9517	<i>Isaria</i> sp.	9587	<i>Beauveria bassiana</i>
9448	<i>Beauveria bassiana</i>	9518	<i>Isaria</i> sp.	9588	<i>Beauveria bassiana</i>
9449	<i>Beauveria bassiana</i>	9519	<i>Isaria</i> sp.	9589	<i>Beauveria bassiana</i>
9450	<i>Beauveria bassiana</i>	9520	<i>Isaria fumosorosea</i>	9590	<i>Metarhizium anisopliae</i> sensu lato
9451	<i>Beauveria bassiana</i>	9521	<i>Isaria fumosorosea</i>	9591	<i>Metarhizium anisopliae</i> sensu lato
9452	<i>Beauveria brongniartii</i>	9522	<i>Purpureocillium lilacinum</i>	9592	<i>Metarhizium</i> sp.
9453	<i>Beauveria brongniartii</i>	9523	<i>Purpureocillium lilacinum</i>	9593	<i>Metarhizium anisopliae</i> sensu lato
9454	<i>Engyodontium album</i>	9524	<i>Purpureocillium lilacinum</i>	9594	<i>Nomuraea atypicola</i>
9455	<i>Mariannaea elegans</i>	9525	<i>Purpureocillium lilacinum</i>	9595	<i>Beauveria bassiana</i>
9456	<i>Mariannaea elegans</i>	9526	<i>Purpureocillium lilacinum</i>	9596	<i>Beauveria</i> sp.
9457	<i>Hirsutella thompsonii</i>	9527	<i>Metarhizium marquandii</i>	9598	<i>Beauveria bassiana</i>
9458	<i>Lecanicillium</i> sp.	9528	<i>Purpureocillium lilacinum</i>	9599	<i>Beauveria brongniartii</i>
9459	<i>Lecanicillium</i> sp.	9529	<i>Metarhizium marquandii</i>	9600	<i>Beauveria bassiana</i>
9460	<i>Lecanicillium</i> nr. <i>aranearum</i>	9530	<i>Metarhizium marquandii</i>	9601	<i>Isaria cateniammulata</i>
9461	<i>Lecanicillium aphanocladii</i>	9531	<i>Isaria tenuipes</i>	9602	<i>Isaria fumosorosea</i>
9462	<i>Lecanicillium muscarium</i> (?)	9532	<i>Isaria tenuipes</i>	9603	<i>Hirsutella liboensis</i>
9463	<i>Lecanicillium muscarium</i> (?)	9533	<i>Isaria tenuipes</i>	9604	<i>Purpureocillium lilacinum</i>
9464	<i>Lecanicillium muscarium</i> (?)	9534	<i>Isaria tenuipes</i>	9605	<i>Hirsutella</i> sp.
9465	<i>Lecanicillium</i> sp.	9535	<i>Aschersonia aleyrodis</i>	9606	<i>Hirsutella</i> sp.
9466	<i>Lecanicillium</i> sp.	9536	<i>Conidiobolus obscurus</i>	9607	<i>Metarhizium robertsii</i>
9467	<i>Lecanicillium muscarium</i>	9537	<i>Erynia</i> sp.	9608	<i>Metarhizium brunneum</i>
9468	<i>Lecanicillium muscarium</i>	9538	Unidentified / <i>Hyphomycetes</i>	9609	<i>Lecanicillium</i> sp.
9469	<i>Lecanicillium muscarium</i>	9539	Unidentified / <i>Hyphomycetes</i>	9610	<i>Purpureocillium lilacinum</i>
9470	<i>Lecanicillium muscarium</i>	9540	Unidentified / <i>Hyphomycetes</i>	9611	<i>Lecanicillium aphanocladii</i>
9471	<i>Lecanicillium muscarium</i>	9541	<i>Metarhizium anisopliae</i> sensu lato	9612	<i>Metarhizium pingshaense</i>
9472	<i>Lecanicillium muscarium</i>	9542	<i>Rotiferophthora</i> sp.	9613	<i>Metarhizium pingshaense</i>
9473	<i>Lecanicillium psalliotae</i>	9543	<i>Rotiferophthora</i> sp.	9614	<i>Cladosporium cladosporioides</i>
9474	<i>Lecanicillium psalliotae</i>	9544	<i>Rotiferophthora</i> sp.	9615	<i>Lecanicillium aphanocladii</i>
9475	<i>Engyodontium</i> (?) sp.	9545	<i>Rotiferophthora</i> sp.	9616	<i>Cladosporium cladosporioides</i>
9476	<i>Engyodontium</i> (?) sp.	9546	<i>Rotiferophthora</i> sp.	9617	<i>Metarhizium</i> sp.
9477	<i>Lecanicillium muscarium</i>	9547	<i>Rotiferophthora cylindrospora</i>	9618	<i>Metarhizium</i> sp.
9478	<i>Lecanicillium</i> sp.	9548	<i>Rotiferophthora cylindrospora</i>	9619	<i>Metarhizium</i> sp.
9479	<i>Simplicillium lamellicola</i>	9549	<i>Rotiferophthora denticulospora</i>	9620	<i>Metarhizium</i> sp.
9480	<i>Simplicillium lamellicola</i>	9550	<i>Beauveria bassiana</i>	9621	<i>Metarhizium</i> sp.

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9832	Metarhizium sp.	9972	Metarhizium sp.
9833	Metarhizium sp.	9973	Metarhizium sp.
9834	Metarhizium sp.	9974	Metarhizium sp.
9835	Metarhizium sp.	9975	Metarhizium sp.
9836	Metarhizium sp.	9976	Metarhizium sp.
9837	Metarhizium sp.	9977	Metarhizium sp.
9838	Metarhizium sp.	9978	Metarhizium sp.
9839	Metarhizium sp.	9979	Metarhizium sp.
9840	Metarhizium sp.	9980	Metarhizium sp.
9841	Metarhizium sp.	9981	Metarhizium sp.
9842	Metarhizium sp.	9982	Metarhizium sp.
9843	Metarhizium sp.	9983	Metarhizium sp.
9844	Metarhizium sp.	9984	Metarhizium sp.
9845	Metarhizium sp.	9985	Metarhizium sp.
9846	Metarhizium sp.	9986	Metarhizium sp.
9847	Metarhizium sp.	9987	Metarhizium sp.
9848	Metarhizium sp.	9988	Metarhizium sp.
9849	Metarhizium sp.	9989	Metarhizium sp.
9850	Metarhizium sp.	9990	Metarhizium sp.
9851	Metarhizium sp.	9991	Metarhizium sp.
9852	Metarhizium sp.	9992	Metarhizium sp.
9853	Metarhizium sp.	9993	Metarhizium sp.
9854	Metarhizium sp.	9994	Metarhizium sp.
9855	Metarhizium sp.	9995	Metarhizium sp.
9856	Metarhizium sp.	9996	Metarhizium sp.
9857	Metarhizium sp.	9997	Metarhizium sp.
9858	Metarhizium sp.	9998	Metarhizium sp.
9859	Metarhizium sp.	9999	Metarhizium sp.
9860	Metarhizium sp.	10000	Metarhizium robertsii
9861	Metarhizium sp.	10001	Metarhizium sp.
9862	Metarhizium sp.	10002	Metarhizium sp.
9863	Metarhizium sp.	10003	Metarhizium sp.
9864	Metarhizium sp.	10004	Metarhizium sp.
9865	Metarhizium sp.	10005	Metarhizium sp.
9866	Metarhizium sp.	10006	Metarhizium sp.
9867	Metarhizium sp.	10007	Metarhizium sp.
9868	Metarhizium sp.	10008	Metarhizium sp.
9869	Metarhizium sp.	10009	Metarhizium sp.
9870	Metarhizium sp.	10010	Metarhizium sp.
9871	Metarhizium sp.	10011	Metarhizium sp.
9872	Metarhizium sp.	10012	Metarhizium sp.
9873	Metarhizium sp.	10013	Metarhizium sp.
9874	Metarhizium sp.	10014	Metarhizium sp.
9875	Metarhizium sp.	10015	Metarhizium sp.
9876	Metarhizium sp.	10016	Metarhizium sp.
9877	Metarhizium sp.	10017	Metarhizium sp.
9878	Metarhizium sp.	10018	Metarhizium sp.
9879	Metarhizium sp.	10019	Metarhizium sp.
9880	Metarhizium sp.	10020	Metarhizium sp.
9881	Metarhizium sp.	10021	Metarhizium sp.
9882	Metarhizium sp.	10022	Metarhizium sp.
9883	Metarhizium sp.	10023	Metarhizium sp.
9884	Metarhizium sp.	10024	Metarhizium sp.
9885	Metarhizium sp.	10025	Metarhizium sp.
9886	Metarhizium sp.	10026	Metarhizium sp.
9887	Basidiobolus sp.	10027	Metarhizium sp.
9888	Basidiobolus sp.	10028	Metarhizium sp.
9889	Basidiobolus sp.	10029	Metarhizium sp.
9890	Basidiobolus sp.	10030	Metarhizium sp.
9891	Basidiobolus sp.	10031	Metarhizium sp.
9892	Basidiobolus sp.	10032	Metarhizium sp.
9893	Basidiobolus sp.	10033	Metarhizium sp.
9894	Basidiobolus sp.	10034	Metarhizium sp.
9895	Basidiobolus sp.	10035	Metarhizium sp.
9896	Basidiobolus sp.	10036	Metarhizium sp.
9897	Basidiobolus sp.	10037	Metarhizium sp.
9898	Basidiobolus sp.	10038	Metarhizium sp.
9899	Basidiobolus sp.	10039	Metarhizium sp.
9900	Basidiobolus sp.	10040	Metarhizium sp.
9901	Basidiobolus sp.	10041	Metarhizium sp.
9902	Basidiobolus sp.		
9903	Basidiobolus sp.		
9904	Basidiobolus sp.		
9905	Basidiobolus sp.		
9906	Basidiobolus sp.		
9907	Basidiobolus sp.		
9908	Basidiobolus sp.		
9909	Basidiobolus sp.		
9910	Basidiobolus sp.		
9911	Basidiobolus sp.		
9912	Basidiobolus sp.		
9913	Conidiobolus coronatus		
9914	Conidiobolus coronatus		
9915	Myriangium sp.		
9916	Myriangium sp.		
9917	Myriangium sp.		
9918	Myriangium sp.		
9919	Myriangium sp.		
9920	Phoma sp.		
9921	Unidentified sp.		
9922	Rhinochrysiella(?) sp.		
9923	Phoma sp.		
9924	Lecanicillium sp.		
9925	Lecanicillium sp.		
9926	Lecanicillium sp.		
9927	Beauveria bassiana		
9928	Metarhizium marquandii		
9929	Metarhizium marquandii		
9930	Lecanicillium sp.		
9931	Lecanicillium sp.		
9932	Mariannaea sp.		
9933	Mariannaea sp.		
9934	Mariannaea sp.		
9935	Lecanicillium sp.		
9936	Lecanicillium sp.		
9937	Fusarium sp.		
9938	Trichoderma sp.		
9939	Metarhizium anisopliae sensu lato		
9940	Conidiobolus coronatus		
9941	Conidiobolus coronatus		
9942	Conidiobolus coronatus		
9943	Scopulariopsis brevicaulis		
9944	Isaria farinosa		
9945	Isaria farinosa		
9946	Metarhizium sp.		
9947	Metarhizium sp.		
9948	Metarhizium sp.		
9949	Metarhizium sp.		
9950	Metarhizium sp.		
9951	Metarhizium sp.		
9952	Metarhizium sp.		
9953	Metarhizium sp.		
9954	Metarhizium sp.		
9955	Metarhizium sp.		
9956	Metarhizium sp.		
9957	Metarhizium sp.		
9958	Metarhizium sp.		
9959	Metarhizium sp.		
9960	Metarhizium sp.		
9961	Metarhizium sp.		
9962	Metarhizium sp.		
9963	Metarhizium sp.		
9964	Metarhizium sp.		
9965	Metarhizium sp.		
9966	Metarhizium sp.		
9967	Metarhizium sp.		
9968	Metarhizium sp.		
9969	Metarhizium sp.		
9970	Metarhizium sp.		
9971	Metarhizium sp.		

10042	Metarhizium sp.	10112	Metarhizium sp.	10182	Lecanicillium psalliotae
10043	Metarhizium sp.	10113	Metarhizium sp.	10183	Lecanicillium psalliotae(?)
10044	Metarhizium sp.	10114	Metarhizium sp.	10184	Lecanicillium fusisporum(?)
10045	Metarhizium sp.	10115	Metarhizium sp.	10185	Mariannaea sp.
10046	Metarhizium sp.	10116	Metarhizium sp.	10186	Beauveria bassiana
10047	Metarhizium sp.	10117	Metarhizium sp.	10187	Lecanicillium psalliotae
10048	Metarhizium sp.	10118	Metarhizium sp.	10188	Lecanicillium psalliotae
10049	Metarhizium sp.	10119	Metarhizium sp.	10189	Lecanicillium psalliotae
10050	Metarhizium sp.	10120	Metarhizium sp.	10190	Lecanicillium nr. lecanii
10051	Metarhizium sp.	10121	Metarhizium sp.	10191	Unidentified / Hyphomycetes
10052	Metarhizium sp.	10122	Metarhizium sp.	10192	Lecanicillium sp.
10053	Metarhizium sp.	10123	Metarhizium sp.	10193	Lecanicillium sp.
10054	Metarhizium sp.	10124	Metarhizium sp.	10194	Evlachovaea sp.
10055	Metarhizium sp.	10125	Metarhizium sp.	10195	Lecanicillium lecanii(?)
10056	Metarhizium sp.	10126	Metarhizium sp.	10196	Lecanicillium sp.
10057	Metarhizium sp.	10127	Purpureocillium lilacinum	10197	Lecanicillium sp.
10058	Metarhizium sp.	10128	Purpureocillium lilacinum	10198	Lecanicillium sp.
10059	Metarhizium sp.	10129	Purpureocillium lilacinum	10199	Lecanicillium sp.
10060	Metarhizium sp.	10130	Purpureocillium lilacinum	10200	Lecanicillium sp.
10061	Metarhizium sp.	10131	Metarhizium anisopliae sensu lato	10201	Lecanicillium sp.
10062	Metarhizium sp.	10132	Tilachlidium sp.	10202	Lecanicillium sp.
10063	Metarhizium sp.	10133	Hirsutella homalodiscae(?)	10203	Lecanicillium sp.
10064	Metarhizium sp.	10134	Hirsutella homalodiscae(?)	10204	Mariannaea sp.
10065	Metarhizium sp.	10135	Metarhizium anisopliae sensu lato	10205	Mariannaea sp.
10066	Metarhizium sp.	10136	Metarhizium anisopliae sensu lato	10206	Lecanicillium sp.
10067	Metarhizium sp.	10137	Metarhizium anisopliae sensu lato	10207	Lecanicillium sp.
10068	Metarhizium sp.	10138	Beauveria bassiana	10208	Lecanicillium sp.
10069	Metarhizium sp.	10139	Beauveria bassiana	10209	Lecanicillium sp.
10070	Metarhizium sp.	10140	Beauveria bassiana	10210	Lecanicillium sp.
10071	Metarhizium sp.	10141	Beauveria bassiana	10211	Lecanicillium sp.
10072	Metarhizium sp.	10142	Beauveria bassiana	10212	Lecanicillium sp.
10073	Metarhizium sp.	10143	Beauveria bassiana	10213	Lecanicillium sp.
10074	Metarhizium sp.	10144	Beauveria bassiana	10214	Lecanicillium sp.
10075	Metarhizium sp.	10145	Beauveria bassiana	10215	Lecanicillium sp.
10076	Metarhizium sp.	10146	Tolypocladium cylindrosporum	10216	Lecanicillium sp.
10077	Metarhizium sp.	10147	Beauveria bassiana	10217	Lecanicillium sp.
10078	Metarhizium sp.	10148	Beauveria bassiana	10218	Lecanicillium sp.
10079	Metarhizium sp.	10149	Beauveria bassiana	10219	Colletotrichum fioriniae
10080	Metarhizium sp.	10150	Mariannaea sp.	10220	Colletotrichum fioriniae
10081	Metarhizium sp.	10151	Mariannaea sp.	10221	Colletotrichum fioriniae
10082	Metarhizium sp.	10152	Mariannaea sp.	10222	Colletotrichum fioriniae
10083	Metarhizium sp.	10153	Mariannaea sp.	10223	Colletotrichum fioriniae
10084	Metarhizium sp.	10154	Lecanicillium sp.	10224	Isaria fumosorosea
10085	Metarhizium sp.	10155	Isaria farinosa	10225	Purpureocillium lilacinum
10086	Metarhizium sp.	10156	Isaria farinosa	10226	Fusarium oxysporum
10087	Metarhizium sp.	10157	Isaria farinosa	10227	Fusarium sp.
10088	Metarhizium sp.	10158	Isaria farinosa	10228	Hirsutella homalodiscae
10089	Metarhizium sp.	10159	Isaria farinosa	10229	Hirsutella homalodiscae
10090	Metarhizium sp.	10160	Isaria farinosa	10230	Sporothrix sp.
10091	Metarhizium sp.	10161	Isaria farinosa	10231	Isaria farinosa
10092	Metarhizium sp.	10162	Isaria sp.	10232	Metarhizium carneum
10093	Metarhizium sp.	10163	Isaria coleopterorum	10233	Metarhizium carneum
10094	Metarhizium sp.	10164	Lecanicillium sp.	10234	Isaria farinosa
10095	Metarhizium sp.	10165	Isaria farinosa	10235	Lecanicillium(?) sp.
10096	Metarhizium sp.	10166	Acremonium bactrocephalum	10236	Lecanicillium sp.
10097	Metarhizium sp.	10167	Acremonium bactrocephalum	10237	Isaria farinosa
10098	Metarhizium sp.	10168	Acremonium bactrocephalum	10238	Isaria farinosa
10099	Metarhizium sp.	10169	Acremonium bactrocephalum	10239	Isaria farinosa
10100	Metarhizium sp.	10170	Lecanicillium psalliotae	10240	Isaria farinosa
10101	Metarhizium sp.	10171	Unidentified / Hyphomycetes	10241	Isaria farinosa
10102	Metarhizium sp.	10172	Lecanicillium wallacei(?)	10242	Isaria farinosa
10103	Metarhizium sp.	10173	Lecanicillium muscarium	10243	Metarhizium carneum
10104	Metarhizium sp.	10174	Lecanicillium wallacei(?)	10244	Metarhizium carneum
10105	Metarhizium sp.	10175	Lecanicillium psalliotae	10245	Metarhizium carneum
10106	Metarhizium sp.	10176	Lecanicillium psalliotae	10246	Metarhizium carneum
10107	Metarhizium sp.	10177	Lecanicillium psalliotae	10247	Isaria farinosa
10108	Metarhizium sp.	10178	Lecanicillium muscarium	10248	Isaria farinosa
10109	Metarhizium sp.	10179	Lecanicillium psalliotae	10249	Isaria farinosa
10110	Metarhizium sp.	10180	Lecanicillium psalliotae	10250	Isaria farinosa
10111	Metarhizium sp.	10181	Lecanicillium psalliotae	10251	Isaria farinosa

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10252	Isaria farinosa	10323	Metarhizium sp.	10393	Beauveria bassiana
10253	Lecanicillium(?) sp.	10324	Metarhizium sp.	10394	Beauveria bassiana
10254	Metarhizium carneum	10325	Metarhizium sp.	10395	Beauveria bassiana
10255	Metarhizium carneum	10326	Metarhizium sp.	10396	Beauveria bassiana
10256	Lecanicillium(?) sp.	10327	Metarhizium sp.	10397	Beauveria bassiana
10257	Lecanicillium(?) sp.	10328	Metarhizium sp.	10398	Beauveria bassiana
10258	Isaria fumosorosea	10329	Metarhizium sp.	10399	Beauveria bassiana
10259	Lecanicillium(?) sp.	10330	Metarhizium sp.	10400	Beauveria bassiana
10260	Triacutus subcuticularis	10331	Metarhizium sp.	10401	Beauveria bassiana
10261	Pochonia sp.	10332	Metarhizium sp.	10402	Beauveria bassiana
10262	Pseudomeria mucosa	10333	Metarhizium sp.	10403	Beauveria bassiana
10263	Rotiferophthora sp.	10334	Metarhizium sp.	10404	Beauveria bassiana
10264	Rotiferophthora sp.	10335	Metarhizium sp.	10405	Beauveria bassiana
10265	Rotiferophthora sp.	10336	Metarhizium sp.	10406	Beauveria bassiana
10266	Rotiferophthora sp.	10337	Metarhizium sp.	10407	Beauveria bassiana
10267	Rotiferophthora barronii	10338	Metarhizium sp.	10408	Beauveria bassiana
10269	Rotiferophthora guttulaspora	10339	Metarhizium sp.	10409	Beauveria bassiana
10270	Rotiferophthora intermedia	10340	Metarhizium sp.	10410	Beauveria bassiana
10271	Harposporium spirosporum	10341	Metarhizium sp.	10411	Beauveria bassiana
10272	Pseudomeria mucosa	10342	Metarhizium sp.	10412	Beauveria bassiana
10273	Rotiferophthora cylindrospora	10343	Metarhizium sp.	10413	Beauveria bassiana
10274	Rotiferophthora ovispora	10344	Metarhizium sp.	10414	Beauveria bassiana
10275	Harposporium botuliforme	10345	Metarhizium sp.	10415	Beauveria bassiana
10276	Aschersonia sp.	10346	Metarhizium sp.	10416	Beauveria bassiana
10277	Beauveria brongniartii	10347	Beauveria bassiana	10417	Beauveria bassiana
10278	Beauveria brongniartii	10348	Beauveria bassiana	10418	Beauveria bassiana
10279	Beauveria brongniartii	10349	Beauveria bassiana	10419	Beauveria bassiana
10280	Beauveria brongniartii	10350	Beauveria bassiana	10420	Beauveria bassiana
10281	Unidentified / Hyphomycetes	10351	Beauveria bassiana	10421	Beauveria bassiana
10282	Unidentified / Hyphomycetes	10352	Beauveria bassiana	10422	Beauveria bassiana
10283	Unidentified / Hyphomycetes	10353	Beauveria bassiana	10423	Beauveria bassiana
10284	Unidentified / Hyphomycetes	10354	Beauveria bassiana	10424	Beauveria bassiana
10285	Unidentified / Hyphomycetes	10355	Beauveria bassiana	10425	Beauveria bassiana
10286	Unidentified / Hyphomycetes	10356	Beauveria bassiana	10426	Beauveria bassiana
10287	Lecanicillium sp.	10357	Beauveria bassiana	10427	Beauveria bassiana
10288	Lecanicillium sp.	10358	Beauveria bassiana	10428	Beauveria bassiana
10289	Lecanicillium sp.	10359	Beauveria bassiana	10429	Beauveria bassiana
10290	Lecanicillium sp.	10360	Isaria sp.	10430	Beauveria bassiana
10291	Lecanicillium sp.	10361	Beauveria bassiana	10431	Beauveria bassiana
10292	Unidentified / Hyphomycetes	10362	Beauveria bassiana	10432	Beauveria bassiana
10293	Unidentified / Hyphomycetes	10363	Isaria sp.	10433	Beauveria bassiana
10294	Lecanicillium sp.	10364	Isaria sp.	10434	Beauveria bassiana
10295	Lecanicillium sp.	10365	Isaria sp.	10435	Beauveria bassiana
10296	Lecanicillium sp.	10366	Isaria sp.	10436	Beauveria bassiana
10297	Lecanicillium sp.	10367	Isaria sp.	10437	Beauveria bassiana
10298	Lecanicillium sp.	10368	Isaria sp.	10438	Beauveria bassiana
10299	Lecanicillium sp.	10369	Isaria sp.	10439	Beauveria bassiana
10300	Lecanicillium sp.	10370	Isaria sp.	10440	Beauveria bassiana
10301	Lecanicillium sp.	10371	Isaria sp.	10441	Beauveria bassiana
10302	Lecanicillium sp.	10372	Isaria sp.	10442	Beauveria bassiana
10303	Lecanicillium sp.	10373	Isaria sp.	10443	Beauveria bassiana
10304	Lecanicillium sp.	10374	Isaria sp.	10444	Beauveria bassiana
10305	Lecanicillium sp.	10375	Isaria sp.	10445	Beauveria bassiana
10306	Lecanicillium sp.	10376	Isaria sp.	10446	Beauveria bassiana
10307	Unidentified / Hyphomycetes	10377	Isaria sp.	10447	Beauveria bassiana
10308	Colletotrichum sp.	10378	Isaria sp.	10448	Beauveria bassiana
10309	Scopulariopsis sp.	10379	Isaria sp.	10449	Beauveria bassiana
10310	Scopulariopsis sp.	10380	Isaria sp.	10450	Beauveria bassiana
10311	Fusarium sp.	10381	Isaria sp.	10451	Beauveria bassiana
10312	Fusarium sp.	10382	Isaria sp.	10452	Beauveria bassiana
10313	Fusarium sp.	10383	Isaria sp.	10453	Beauveria bassiana
10314	Metarhizium sp.	10384	Isaria sp.	10454	Beauveria bassiana
10315	Metarhizium sp.	10385	Isaria sp.	10455	Beauveria bassiana
10316	Metarhizium sp.	10386	Unidentified / Hyphomycetes	10456	Beauveria bassiana
10317	Metarhizium sp.	10387	Unidentified / Hyphomycetes	10457	Beauveria bassiana
10318	Metarhizium sp.	10388	Fusarium sp.	10458	Beauveria bassiana
10319	Metarhizium sp.	10389	Fusarium sp.	10459	Beauveria bassiana
10320	Metarhizium sp.	10390	Fusarium sp.	10460	Beauveria bassiana
10321	Metarhizium sp.	10391	Fusarium sp.	10461	Beauveria bassiana
10322	Metarhizium sp.	10392	Unidentified / Hyphomycetes	10462	Beauveria bassiana

10463	Beauveria bassiana	10533	Beauveria bassiana	10603	Beauveria bassiana
10464	Beauveria bassiana	10534	Beauveria bassiana	10604	Beauveria bassiana
10465	Beauveria bassiana	10535	Beauveria bassiana	10605	Beauveria bassiana
10466	Beauveria bassiana	10536	Beauveria bassiana	10606	Beauveria bassiana
10467	Beauveria bassiana	10537	Beauveria bassiana	10607	Beauveria bassiana
10468	Beauveria bassiana	10538	Beauveria bassiana	10608	Beauveria pseudobassiana
10469	Metarhizium anisopliae sensu lato	10539	Beauveria bassiana	10609	Beauveria bassiana
10470	Fusarium sp.	10540	Beauveria bassiana	10610	Beauveria bassiana
10471	Beauveria bassiana	10541	Beauveria bassiana	10611	Beauveria bassiana
10472	Metarhizium anisopliae sensu stricto	10542	Beauveria bassiana	10612	Beauveria bassiana
10473	Metarhizium anisopliae sensu stricto	10543	Beauveria bassiana	10613	Beauveria bassiana
10474	Metarhizium anisopliae sensu stricto	10544	Beauveria bassiana	10614	Beauveria bassiana
10475	Metarhizium anisopliae sensu stricto	10545	Beauveria bassiana	10615	Beauveria bassiana
10476	Metarhizium anisopliae sensu stricto	10546	Beauveria bassiana	10616	Beauveria pseudobassiana
10477	Metarhizium anisopliae sensu stricto	10547	Myriodontium keratinophilum	10617	Beauveria bassiana
10478	Beauveria bassiana	10548	Beauveria bassiana	10618	Beauveria pseudobassiana
10479	Beauveria bassiana	10549	Beauveria bassiana	10619	Beauveria bassiana
10480	Beauveria pseudobassiana	10550	Beauveria bassiana	10620	Beauveria bassiana
10481	Beauveria bassiana	10551	Beauveria bassiana	10621	Beauveria bassiana
10482	Beauveria bassiana	10552	Beauveria bassiana	10622	Beauveria bassiana
10483	Beauveria bassiana	10553	Beauveria bassiana	10623	Beauveria pseudobassiana
10484	Beauveria bassiana	10554	Beauveria bassiana	10624	Beauveria bassiana
10485	Beauveria bassiana	10555	Beauveria bassiana	10625	Beauveria bassiana
10486	Beauveria bassiana	10556	Beauveria bassiana	10626	Beauveria bassiana
10487	Beauveria bassiana	10557	Beauveria bassiana	10627	Beauveria bassiana
10488	Beauveria bassiana	10558	Beauveria bassiana	10628	Beauveria pseudobassiana
10489	Beauveria bassiana	10559	Beauveria bassiana	10629	Beauveria bassiana
10490	Beauveria bassiana	10560	Beauveria bassiana	10630	Beauveria pseudobassiana
10491	Beauveria bassiana	10561	Beauveria bassiana	10631	Beauveria bassiana
10492	Beauveria pseudobassiana	10562	Beauveria bassiana	10632	Beauveria bassiana
10493	Beauveria bassiana	10563	Beauveria bassiana	10633	Beauveria bassiana
10494	Beauveria bassiana	10564	Beauveria bassiana	10634	Beauveria pseudobassiana
10495	Beauveria bassiana	10565	Beauveria bassiana	10635	Beauveria pseudobassiana
10496	Beauveria bassiana	10566	Beauveria bassiana	10636	Beauveria bassiana
10497	Beauveria bassiana	10567	Beauveria bassiana	10637	Beauveria bassiana
10498	Beauveria bassiana	10568	Beauveria bassiana	10638	Beauveria bassiana
10499	Beauveria pseudobassiana	10569	Beauveria bassiana	10639	Beauveria bassiana
10500	Beauveria bassiana	10570	Beauveria bassiana	10640	Beauveria bassiana
10501	Beauveria bassiana	10571	Beauveria bassiana	10641	Beauveria bassiana
10502	Beauveria bassiana	10572	Beauveria bassiana	10642	Beauveria bassiana
10503	Beauveria bassiana	10573	Beauveria bassiana	10643	Beauveria bassiana
10504	Beauveria bassiana	10574	Beauveria bassiana	10644	Beauveria pseudobassiana
10505	Beauveria bassiana	10575	Beauveria pseudobassiana	10645	Beauveria bassiana
10506	Beauveria bassiana	10576	Beauveria bassiana	10646	Beauveria pseudobassiana
10507	Beauveria bassiana	10577	Beauveria bassiana	10647	Beauveria bassiana
10508	Beauveria bassiana	10578	Beauveria bassiana	10648	Beauveria pseudobassiana
10509	Beauveria bassiana	10579	Beauveria bassiana	10649	Beauveria amorpha
10510	Beauveria bassiana	10580	Beauveria bassiana	10650	Beauveria amorpha
10511	Beauveria bassiana	10581	Beauveria bassiana	10651	Beauveria bassiana
10512	Beauveria bassiana	10582	Beauveria bassiana	10652	Beauveria bassiana
10513	Beauveria bassiana	10583	Beauveria bassiana	10653	Beauveria bassiana
10514	Beauveria bassiana	10584	Beauveria bassiana	10654	Beauveria bassiana
10515	Beauveria bassiana	10585	Beauveria bassiana	10655	Beauveria bassiana
10516	Beauveria bassiana	10586	Beauveria bassiana	10656	Beauveria bassiana
10517	Beauveria bassiana	10587	Beauveria bassiana	10657	Beauveria bassiana
10518	Beauveria bassiana	10588	Beauveria bassiana	10658	Beauveria pseudobassiana
10519	Beauveria bassiana	10589	Beauveria bassiana	10659	Beauveria bassiana
10520	Beauveria bassiana	10590	Beauveria bassiana	10660	Beauveria bassiana
10521	Beauveria bassiana	10591	Beauveria bassiana	10661	Beauveria bassiana
10522	Beauveria bassiana	10592	Beauveria bassiana	10662	Beauveria bassiana
10523	Beauveria bassiana	10593	Beauveria bassiana	10663	Beauveria bassiana
10524	Beauveria bassiana	10594	Beauveria pseudobassiana	10664	Beauveria bassiana
10525	Beauveria bassiana	10595	Beauveria bassiana	10665	Beauveria bassiana
10526	Beauveria bassiana	10596	Beauveria bassiana	10666	Beauveria bassiana
10527	Beauveria bassiana	10597	Beauveria bassiana	10667	Beauveria pseudobassiana
10528	Beauveria bassiana	10598	Beauveria pseudobassiana	10668	Beauveria pseudobassiana
10529	Beauveria bassiana	10599	Beauveria bassiana	10669	Beauveria bassiana
10530	Beauveria bassiana	10600	Beauveria bassiana	10670	Beauveria pseudobassiana
10531	Beauveria bassiana	10601	Beauveria bassiana	10671	Beauveria pseudobassiana
10532	Beauveria bassiana	10602	Beauveria bassiana	10672	Beauveria pseudobassiana

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11513	Beauveria bassiana	11583	Beauveria bassiana	11653	Geotrichum sp.
11514	Beauveria bassiana	11584	Beauveria bassiana	11654	Geotrichum sp.
11515	Beauveria bassiana	11585	Beauveria bassiana	11655	Fusarium sp.
11516	Beauveria bassiana	11586	Beauveria bassiana	11656	Isaria farinosa
11517	Beauveria bassiana	11587	Beauveria bassiana	11657	Isaria fumosorosea
11518	Beauveria bassiana	11588	Beauveria bassiana	11658	Isaria fumosorosea
11519	Beauveria bassiana	11589	Beauveria bassiana	11659	Isaria fumosorosea
11520	Beauveria bassiana	11590	Beauveria bassiana	11660	Beauveria bassiana
11521	Beauveria bassiana	11591	Beauveria bassiana	11661	Metarhizium anisopliae sensu lato
11522	Beauveria bassiana	11592	Beauveria bassiana	11662	Pandora neoaphidis
11523	Beauveria bassiana	11593	Beauveria bassiana	11663	Pandora neoaphidis
11524	Beauveria bassiana	11594	Beauveria bassiana	11664	Conidiobolus thromboides
11525	Beauveria bassiana	11595	Beauveria bassiana	11665	Hirsutella citrififormis
11526	Beauveria bassiana	11596	Beauveria bassiana	11666	Unidentified / Hyphomycetes
11527	Beauveria bassiana	11597	Beauveria bassiana	11667	Acremonium sp.
11528	Beauveria bassiana	11598	Beauveria bassiana	11668	Metarhizium sp.
11529	Beauveria bassiana	11599	Beauveria bassiana	11669	Metarhizium sp.
11530	Beauveria bassiana	11600	Beauveria bassiana	11670	Fusarium sp.
11531	Beauveria bassiana	11601	Beauveria bassiana	11671	Fusarium sp.
11532	Beauveria bassiana	11602	Beauveria bassiana	11672	Fusarium sp.
11533	Beauveria bassiana	11603	Beauveria bassiana	11673	Fusarium sp.
11534	Beauveria bassiana	11604	Beauveria bassiana	11674	Fusarium sp.
11535	Beauveria bassiana	11605	Beauveria bassiana	11675	Fusarium sp.
11536	Beauveria bassiana	11606	Beauveria bassiana	11676	Mixed Culture sp.
11537	Beauveria bassiana	11607	Beauveria bassiana	11677	Fusarium sp.
11538	Beauveria bassiana	11608	Beauveria bassiana	11678	Clonostachys rosea
11539	Beauveria bassiana	11609	Beauveria bassiana	11679	Fusarium sp.
11540	Beauveria bassiana	11610	Beauveria bassiana	11680	Fusarium sp.
11541	Beauveria bassiana	11611	Beauveria bassiana	11681	Penicillium sp.
11542	Beauveria bassiana	11612	Beauveria bassiana	11682	Clonostachys rosea
11543	Beauveria bassiana	11613	Beauveria bassiana	11683	Penicillium sp.
11544	Beauveria bassiana	11614	Beauveria bassiana	11684	Fusarium sp.
11545	Beauveria bassiana	11615	Beauveria bassiana	11685	Metarhizium sp.
11546	Beauveria bassiana	11616	Beauveria bassiana	11686	Metarhizium sp.
11547	Beauveria bassiana	11617	Beauveria bassiana	11687	Clonostachys rosea
11548	Beauveria bassiana	11618	Beauveria bassiana	11688	Beauveria bassiana
11549	Beauveria bassiana	11619	Beauveria bassiana	11689	Clonostachys rosea
11550	Beauveria bassiana	11620	Beauveria bassiana	11690	Clonostachys rosea
11551	Beauveria bassiana	11621	Beauveria bassiana	11691	Clonostachys rosea
11552	Beauveria bassiana	11622	Beauveria bassiana	11692	Clonostachys rosea
11553	Beauveria bassiana	11623	Beauveria bassiana	11693	Sterile mycelium
11554	Beauveria bassiana	11624	Beauveria bassiana	11694	Metarhizium anisopliae sensu lato
11555	Beauveria bassiana	11625	Beauveria bassiana	11695	Clonostachys rosea
11556	Beauveria bassiana	11626	Beauveria bassiana	11696	Lecanicillium sp.
11557	Beauveria bassiana	11627	Beauveria bassiana	11697	Fusarium sp.
11558	Beauveria bassiana	11628	Isaria sp.	11698	Myriodontium keratinophilum
11559	Beauveria bassiana	11629	Isaria sp.	11699	Clonostachys rosea
11560	Beauveria bassiana	11630	Isaria sp.	11700	Clonostachys rosea
11561	Beauveria bassiana	11631	Isaria sp.	11701	Clonostachys rosea
11562	Beauveria bassiana	11632	Isaria sp.	11702	Clonostachys rosea
11563	Beauveria bassiana	11633	Isaria sp.	11703	Cordyceps militaris
11564	Beauveria bassiana	11634	Isaria sp.	11704	Cordyceps militaris
11565	Beauveria bassiana	11635	Isaria sp.	11705	Isaria tenuipes
11566	Beauveria bassiana	11636	Isaria sp.	11706	Isaria tenuipes
11567	Beauveria bassiana	11637	Metarhizium anisopliae sensu lato	11707	Isaria tenuipes
11568	Beauveria bassiana	11638	Lecanicillium sp.	11708	Beauveria bassiana
11569	Beauveria bassiana	11639	Lecanicillium sp.	11709	Beauveria sp.
11570	Beauveria bassiana	11640	Lecanicillium sp.	11710	Isaria farinosa
11571	Beauveria bassiana	11641	Lecanicillium sp.	11711	Beauveria bassiana
11572	Beauveria bassiana	11642	Lecanicillium sp.	11712	Beauveria bassiana
11573	Beauveria bassiana	11643	Lecanicillium sp.	11713	Beauveria bassiana
11574	Beauveria bassiana	11644	Lecanicillium sp.	11714	Beauveria sp.
11575	Beauveria bassiana	11645	Lecanicillium sp.	11715	Beauveria bassiana
11576	Beauveria bassiana	11646	Lecanicillium sp.	11716	Beauveria bassiana
11577	Beauveria bassiana	11647	Lecanicillium sp.	11717	Beauveria bassiana
11578	Beauveria bassiana	11648	Lecanicillium sp.	11718	Mixed Culture sp.
11579	Beauveria bassiana	11649	Lecanicillium sp.	11719	Beauveria bassiana
11580	Beauveria bassiana	11650	Conidiobolus sp.	11720	Beauveria bassiana
11581	Beauveria bassiana	11651	Conidiobolus coronatus	11721	Isaria farinosa
11582	Beauveria bassiana	11652	Scopulariopsis sp.	11722	Isaria cateniammulata

11723	<i>Cordyceps pruinosa</i>	11792	<i>Lecanicillium evansii</i> (?)	11860	<i>Zoopthora radicans</i>
11724	<i>Cordyceps pruinosa</i>	11793	<i>Lecanicillium evansii</i> (?)	11861	<i>Zoopthora radicans</i>
11725	<i>Simplicillium lamellicola</i> (?)	11794	<i>Lecanicillium evansii</i> (?)	11862	<i>Pandora neoaphidis</i>
11726	<i>Isaria cicadae</i>	11795	<i>Lecanicillium evansii</i> (?)	11863	<i>Pandora neoaphidis</i>
11727	<i>Simplicillium lamellicola</i>	11796	<i>Lecanicillium evansii</i> (?)	11864	<i>Hirsutella myrmicarum</i>
11728	<i>Simplicillium lamellicola</i>	11797	<i>Lecanicillium evansii</i> (?)	11865	<i>Fusarium</i> sp.
11729	<i>Simplicillium lamellicola</i>	11798	<i>Lecanicillium</i> sp.	11866	<i>Cladosporium</i> sp.
11730	<i>Lecanicillium muscarium</i>	11799	<i>Lecanicillium</i> nr. <i>aranearum</i>	11867	<i>Conidiobolus</i> sp.
11731	<i>Lecanicillium muscarium</i>	11800	<i>Metapochonia bulbilosa</i>	11868	<i>Aschersonia turbinata</i>
11732	<i>Simplicillium lamellicola</i>	11801	<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i>	11869	<i>Aschersonia turbinata</i>
11733	<i>Lecanicillium muscarium</i>	11802	<i>Lecanicillium muscarium</i>	11870	<i>Moelleriella umbospora</i>
11734	<i>Lecanicillium muscarium</i>	11803	<i>Lecanicillium muscarium</i>	11871	<i>Moelleriella umbospora</i>
11735	<i>Simplicillium lamellicola</i>	11804	<i>Lecanicillium evansii</i> (?)	11872	<i>Pandora delphacis</i>
11736	<i>Lecanicillium muscarium</i>	11805	<i>Lecanicillium evansii</i> (?)	11873	<i>Pandora delphacis</i>
11737	<i>Simplicillium lamellicola</i>	11806	<i>Lecanicillium evansii</i> (?)	11874	<i>Beauveria bassiana</i>
11738	<i>Simplicillium lamellicola</i> (?)	11807	<i>Lecanicillium evansii</i> (?)	11875	<i>Beauveria bassiana</i>
11739	<i>Beauveria</i> sp.	11808	<i>Lecanicillium fusisporum</i>	11876	<i>Beauveria bassiana</i>
11740	<i>Simplicillium lamellicola</i> (?)	11809	<i>Lecanicillium evansii</i> (?)	11877	<i>Beauveria bassiana</i>
11741	<i>Beauveria lii</i>	11810	<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i>	11878	<i>Beauveria bassiana</i>
11742	<i>Metarhizium anisopliae</i> sensu lato	11811	<i>Lecanicillium</i> nr. <i>aranearum</i>	11879	<i>Beauveria bassiana</i>
11743	<i>Beauveria</i> sp.	11812	<i>Mariannaea</i> sp.	11880	<i>Beauveria bassiana</i>
11744	<i>Beauveria</i> sp.	11813	<i>Mariannaea</i> sp.	11881	<i>Beauveria bassiana</i>
11745	<i>Beauveria</i> sp.	11814	<i>Mariannaea</i> sp.	11882	<i>Beauveria bassiana</i>
11746	<i>Beauveria</i> sp.	11815	<i>Lecanicillium lecanii</i> (?)	11883	<i>Beauveria bassiana</i>
11747	<i>Beauveria</i> sp.	11816	<i>Lecanicillium muscarium</i> (?)	11884	<i>Beauveria bassiana</i>
11748	<i>Lecanicillium</i> sp.	11817	<i>Lecanicillium lecanii</i>	11885	<i>Beauveria bassiana</i>
11749	<i>Purpureocillium lilacinum</i>	11818	<i>Lecanicillium muscarium</i>	11886	<i>Beauveria bassiana</i>
11750	<i>Purpureocillium lilacinum</i>	11819	<i>Hirsutella thompsonii</i>	11887	<i>Beauveria bassiana</i>
11751	<i>Purpureocillium lilacinum</i>	11820	<i>Hirsutella rhossiliensis</i>	11888	<i>Beauveria bassiana</i>
11752	Unidentified / <i>Hyphomycetes</i>	11821	<i>Metarhizium carneum</i>	11889	<i>Beauveria bassiana</i>
11753	<i>Isaria</i> sp.	11822	<i>Isaria farinosa</i>	11890	<i>Beauveria bassiana</i>
11754	<i>Beauveria</i> sp.	11823	<i>Isaria farinosa</i>	11891	<i>Beauveria bassiana</i>
11755	<i>Hirsutella</i> sp.	11824	<i>Isaria farinosa</i>	11892	<i>Beauveria bassiana</i>
11756	<i>Hirsutella</i> sp.	11825	<i>Isaria farinosa</i>	11893	<i>Beauveria bassiana</i>
11757	<i>Hirsutella</i> sp.	11826	<i>Isaria farinosa</i>	11894	<i>Beauveria bassiana</i>
11758	<i>Hirsutella</i> sp.	11827	<i>Isaria farinosa</i>	11895	<i>Beauveria bassiana</i>
11759	<i>Hirsutella</i> sp.	11828	<i>Isaria farinosa</i>	11896	<i>Beauveria bassiana</i>
11760	<i>Hirsutella</i> sp.	11829	<i>Isaria farinosa</i>	11897	<i>Beauveria bassiana</i>
11761	<i>Hirsutella</i> sp.	11830	<i>Isaria farinosa</i>	11898	<i>Beauveria bassiana</i>
11762	<i>Mucor fragilis</i>	11831	<i>Isaria farinosa</i>	11899	<i>Beauveria bassiana</i>
11763	<i>Conidiobolus</i> sp.	11832	<i>Isaria farinosa</i>	11900	<i>Beauveria bassiana</i>
11764	<i>Pandora</i> sp.	11833	<i>Isaria farinosa</i>	11901	<i>Beauveria bassiana</i>
11765	<i>Conidiobolus</i> sp.	11834	<i>Isaria farinosa</i>	11902	<i>Beauveria bassiana</i>
11766	<i>Basidiobolus</i> sp.	11835	<i>Isaria farinosa</i>	11903	<i>Beauveria bassiana</i>
11767	<i>Basidiobolus</i> sp.	11836	<i>Metarhizium carneum</i>	11904	<i>Beauveria bassiana</i>
11768	<i>Basidiobolus</i> sp.	11837	<i>Myriodontium keratinophilum</i>	11905	<i>Beauveria bassiana</i>
11769	<i>Basidiobolus</i> sp.	11838	<i>Myriodontium keratinophilum</i>	11906	<i>Beauveria bassiana</i>
11770	<i>Basidiobolus</i> sp.	11839	<i>Metarhizium</i> sp.	11907	<i>Beauveria bassiana</i>
11771	<i>Basidiobolus</i> sp.	11840	<i>Metarhizium anisopliae</i> sensu lato	11908	<i>Beauveria bassiana</i>
11772	<i>Basidiobolus</i> sp.	11841	<i>Beauveria bassiana</i>	11909	<i>Beauveria bassiana</i>
11773	<i>Basidiobolus</i> sp.	11842	<i>Metarhiziopsis microspora</i>	11910	<i>Beauveria bassiana</i>
11774	<i>Basidiobolus</i> sp.	11843	<i>Metarhiziopsis microspora</i>	11911	<i>Beauveria bassiana</i>
11775	<i>Basidiobolus</i> sp.	11844	<i>Beauveria bassiana</i>	11912	<i>Beauveria bassiana</i>
11776	<i>Basidiobolus</i> sp.	11845	<i>Beauveria bassiana</i>	11913	<i>Beauveria bassiana</i>
11777	<i>Basidiobolus</i> sp.	11846	<i>Beauveria bassiana</i>	11914	<i>Beauveria bassiana</i>
11778	<i>Basidiobolus</i> sp.	11847	<i>Beauveria bassiana</i>	11915	<i>Beauveria bassiana</i>
11779	<i>Basidiobolus</i> sp.	11848	<i>Beauveria bassiana</i>	11916	<i>Beauveria bassiana</i>
11780	<i>Basidiobolus</i> sp.	11849	<i>Metarhizium</i> sp.	11917	<i>Beauveria bassiana</i>
11781	<i>Basidiobolus</i> sp.	11850	<i>Metarhizium anisopliae</i> sensu lato	11918	<i>Beauveria bassiana</i>
11782	<i>Basidiobolus</i> sp.	11851	<i>Metarhiziopsis microspora</i>	11919	<i>Beauveria bassiana</i>
11783	<i>Basidiobolus</i> sp.	11852	<i>Myriangium</i> sp.	11920	<i>Beauveria bassiana</i>
11784	Unidentified sp.	11853	<i>Myriangium</i> sp.	11921	<i>Beauveria bassiana</i>
11785	<i>Lecanicillium evansii</i> (?)	11854	<i>Myriangium</i> sp.	11922	<i>Beauveria bassiana</i>
11786	<i>Pochonia chlamydosporia</i> var. <i>chlamydosporia</i>	11855	<i>Myriangium</i> sp.	11923	<i>Beauveria bassiana</i>
11787	<i>Lecanicillium fusisporum</i>	11856	<i>Myriangium</i> sp.	11924	<i>Beauveria bassiana</i>
11788	<i>Evlachovaea</i> sp.	11857	<i>Myriangium</i> sp.	11925	<i>Beauveria bassiana</i>
11789	<i>Lecanicillium evansii</i> (?)	11858	<i>Myriangium</i> sp.	11926	<i>Beauveria bassiana</i>
11790	<i>Fusarium</i> sp.	11859	<i>Zoopthora radicans</i>	11927	<i>Beauveria bassiana</i>
11791	<i>Lecanicillium evansii</i> (?)			11928	<i>Beauveria bassiana</i>
				11929	<i>Beauveria bassiana</i>

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11930	Beauveria bassiana	12000	Beauveria bassiana	12070	Lecanicillium sp.
11931	Beauveria bassiana	12001	Beauveria bassiana	12071	Lecanicillium sp.
11932	Beauveria bassiana	12002	Beauveria bassiana	12072	Fusarium sp.
11933	Beauveria bassiana	12003	Beauveria bassiana	12073	Fusarium sp.
11934	Beauveria bassiana	12004	Beauveria bassiana	12074	Fusarium sp.
11935	Beauveria bassiana	12005	Myriodontium keratinophilum	12075	Fusarium sp.
11936	Beauveria bassiana	12006	Beauveria bassiana	12076	Fusarium sp.
11937	Beauveria bassiana	12007	Beauveria bassiana	12077	Fusarium sp.
11938	Beauveria bassiana	12008	Beauveria bassiana	12078	Fusarium sp.
11939	Metarhizium rileyi	12009	Beauveria bassiana	12079	Fusarium sp.
11940	Metarhizium rileyi	12010	Beauveria bassiana	12080	Rhinocladiella(?) sp.
11941	Metarhizium rileyi	12011	Beauveria bassiana	12081	Rhinocladiella(?) sp.
11942	Metarhizium rileyi	12012	Beauveria bassiana	12082	Rhinocladiella(?) sp.
11943	Metarhizium rileyi	12013	Beauveria bassiana	12083	Colletotrichum sp.
11944	Metarhizium rileyi	12014	Beauveria bassiana	12084	Fusarium sp.
11945	Metarhizium anisopliae sensu lato	12015	Beauveria bassiana	12085	Unidentified / Hyphomycetes
11946	Metarhizium anisopliae sensu lato	12016	Beauveria bassiana	12086	Unidentified / Hyphomycetes
11947	Metarhizium anisopliae sensu lato	12017	Beauveria bassiana	12087	Unidentified / Hyphomycetes
11948	Fusarium sp.	12018	Beauveria bassiana	12088	Unidentified / Hyphomycetes
11949	Fusarium sp.	12019	Beauveria bassiana	12089	Lecanicillium sp.
11950	Fusarium sp.	12020	Beauveria bassiana	12090	Unidentified / Hyphomycetes
11951	Metarhizium anisopliae sensu lato	12021	Beauveria bassiana	12091	Gaertneriomycetes semiglobifer
11952	Beauveria bassiana	12022	Beauveria bassiana	12092	Beauveria bassiana
11953	Beauveria bassiana	12023	Beauveria bassiana	12093	Beauveria bassiana
11954	Beauveria bassiana	12024	Beauveria bassiana	12094	Beauveria bassiana
11955	Beauveria bassiana	12025	Beauveria bassiana	12095	Beauveria bassiana
11956	Beauveria bassiana	12026	Beauveria bassiana	12096	Beauveria bassiana
11957	Beauveria bassiana	12027	Unidentified / Hyphomycetes	12097	Beauveria bassiana
11958	Beauveria bassiana	12028	Unidentified / Hyphomycetes	12098	Beauveria bassiana
11959	Beauveria bassiana	12029	Unidentified / Hyphomycetes	12099	Beauveria bassiana
11960	Beauveria bassiana	12030	Unidentified / Hyphomycetes	12100	Beauveria bassiana
11961	Beauveria bassiana	12031	Unidentified / Hyphomycetes	12101	Beauveria bassiana
11962	Beauveria bassiana	12032	Fusarium sp.	12102	Beauveria bassiana
11963	Beauveria bassiana	12033	Fusarium sp.	12103	Beauveria bassiana
11964	Beauveria bassiana	12034	Fusarium sp.	12104	Beauveria bassiana
11965	Beauveria bassiana	12035	Fusarium sp.	12105	Beauveria bassiana
11966	Beauveria bassiana	12036	Fusarium sp.	12106	Beauveria bassiana
11967	Beauveria bassiana	12037	Fusarium sp.	12107	Beauveria bassiana
11968	Beauveria bassiana	12038	Fusarium sp.	12108	Beauveria bassiana
11969	Beauveria bassiana	12039	Fusarium sp.	12109	Beauveria bassiana
11970	Beauveria bassiana	12040	Fusarium sp.	12110	Beauveria bassiana
11971	Beauveria bassiana	12041	Unidentified / Hyphomycetes	12111	Beauveria bassiana
11972	Lecanicillium lecanii(?)	12042	Unidentified / Hyphomycetes	12112	Beauveria bassiana
11973	Beauveria bassiana	12043	Unidentified / Hyphomycetes	12113	Beauveria bassiana
11974	Beauveria bassiana	12044	Unidentified / Hyphomycetes	12114	Beauveria bassiana
11975	Beauveria bassiana	12045	Unidentified / Hyphomycetes	12115	Beauveria bassiana
11976	Beauveria bassiana	12046	Cladosporium sp.	12116	Beauveria bassiana
11977	Beauveria bassiana	12047	Unidentified / Hyphomycetes	12117	Myriodontium keratinophilum
11978	Beauveria bassiana	12048	Penicillium sp.	12118	Myriodontium keratinophilum
11979	Beauveria bassiana	12049	Penicillium sp.	12119	Beauveria bassiana
11980	Beauveria bassiana	12050	Aspergillus sp.	12120	Beauveria bassiana
11981	Beauveria bassiana	12051	Aspergillus sp.	12121	Evlachovaea sp.
11982	Beauveria bassiana	12052	Lecanicillium sp.	12122	Beauveria bassiana
11983	Beauveria bassiana	12053	Lecanicillium muscarium	12123	Beauveria bassiana
11984	Beauveria bassiana	12054	Lecanicillium sp.	12124	Beauveria bassiana
11985	Beauveria bassiana	12055	Lecanicillium sp.	12125	Beauveria bassiana
11986	Beauveria bassiana	12056	Lecanicillium sp.	12126	Beauveria bassiana
11987	Beauveria bassiana	12057	Lecanicillium sp.	12127	Beauveria bassiana
11988	Beauveria bassiana	12058	Lecanicillium sp.	12128	Beauveria bassiana
11989	Beauveria bassiana	12059	Lecanicillium sp.	12129	Beauveria bassiana
11990	Beauveria bassiana	12060	Lecanicillium sp.	12130	Beauveria bassiana
11991	Beauveria bassiana	12061	Lecanicillium sp.	12131	Beauveria bassiana
11992	Beauveria bassiana	12062	Lecanicillium sp.	12132	Beauveria bassiana
11993	Beauveria bassiana	12063	Lecanicillium sp.	12133	Beauveria bassiana
11994	Beauveria bassiana	12064	Lecanicillium sp.	12134	Beauveria bassiana
11995	Beauveria bassiana	12065	Lecanicillium sp.	12135	Beauveria bassiana
11996	Beauveria bassiana	12066	Lecanicillium sp.	12136	Beauveria bassiana
11997	Beauveria bassiana	12067	Lecanicillium sp.	12137	Beauveria bassiana
11998	Myriodontium keratinophilum	12068	Lecanicillium sp.	12138	Beauveria bassiana
11999	Beauveria bassiana	12069	Lecanicillium sp.	12139	Beauveria bassiana

12570	Metarhizium sp.	12640	Metarhizium sp.	12710	Metarhizium sp.
12571	Metarhizium sp.	12641	Metarhizium sp.	12711	Metarhizium sp.
12572	Beauveria bassiana sensu lato	12642	Metarhizium sp.	12712	Metarhizium sp.
12573	Beauveria bassiana	12643	Metarhizium sp.	12713	Metarhizium sp.
12574	Beauveria bassiana	12644	Metarhizium sp.	12714	Metarhizium sp.
12575	Beauveria bassiana	12645	Metarhizium sp.	12715	Metarhizium sp.
12576	Beauveria bassiana	12646	Metarhizium sp.	12716	Metarhizium sp.
12577	Beauveria bassiana	12647	Metarhizium sp.	12717	Metarhizium sp.
12578	Beauveria bassiana	12648	Metarhizium sp.	12718	Metarhizium sp.
12579	Beauveria bassiana	12649	Metarhizium sp.	12719	Metarhizium sp.
12580	Beauveria bassiana	12650	Metarhizium sp.	12720	Metarhizium sp.
12581	Beauveria bassiana	12651	Metarhizium sp.	12721	Metarhizium sp.
12582	Beauveria bassiana	12652	Metarhizium sp.	12722	Metarhizium sp.
12583	Beauveria bassiana	12653	Metarhizium sp.	12723	Metarhizium sp.
12584	Beauveria bassiana	12654	Metarhizium sp.	12724	Metarhizium sp.
12585	Beauveria bassiana	12655	Metarhizium sp.	12725	Metarhizium sp.
12586	Beauveria bassiana	12656	Metarhizium sp.	12726	Metarhizium sp.
12587	Beauveria bassiana	12657	Metarhizium sp.	12727	Metarhizium sp.
12588	Beauveria bassiana	12658	Metarhizium sp.	12728	Metarhizium sp.
12589	Beauveria bassiana	12659	Metarhizium sp.	12729	Metarhizium sp.
12590	Beauveria bassiana	12660	Metarhizium sp.	12730	Metarhizium sp.
12591	Beauveria bassiana	12661	Metarhizium sp.	12731	Metarhizium sp.
12592	Beauveria bassiana	12662	Metarhizium sp.	12732	Metarhizium sp.
12593	Beauveria bassiana	12663	Metarhizium sp.	12733	Metarhizium sp.
12594	Beauveria bassiana	12664	Metarhizium sp.	12734	Metarhizium sp.
12595	Beauveria bassiana	12665	Metarhizium sp.	12735	Metarhizium sp.
12596	Beauveria bassiana	12666	Metarhizium sp.	12736	Metarhizium sp.
12597	Beauveria bassiana	12667	Metarhizium sp.	12737	Metarhizium sp.
12598	Beauveria bassiana	12668	Metarhizium sp.	12738	Metarhizium sp.
12599	Beauveria bassiana	12669	Metarhizium sp.	12739	Metarhizium sp.
12600	Beauveria bassiana	12670	Metarhizium sp.	12740	Metarhizium sp.
12601	Beauveria bassiana	12671	Metarhizium sp.	12741	Metarhizium sp.
12602	Beauveria bassiana	12672	Metarhizium sp.	12742	Metarhizium sp.
12603	Beauveria bassiana	12673	Metarhizium sp.	12743	Metarhizium sp.
12604	Beauveria bassiana	12674	Metarhizium sp.	12744	Metarhizium sp.
12605	Beauveria bassiana	12675	Metarhizium sp.	12745	Metarhizium sp.
12606	Beauveria bassiana	12676	Metarhizium sp.	12746	Metarhizium sp.
12607	Beauveria bassiana	12677	Metarhizium sp.	12747	Metarhizium sp.
12608	Beauveria bassiana	12678	Metarhizium sp.	12748	Metarhizium sp.
12609	Beauveria bassiana	12679	Metarhizium sp.	12749	Metarhizium sp.
12610	Beauveria bassiana	12680	Metarhizium sp.	12750	Metarhizium sp.
12611	Beauveria bassiana	12681	Metarhizium sp.	12751	Metarhizium sp.
12612	Beauveria bassiana	12682	Metarhizium sp.	12752	Metarhizium sp.
12613	Beauveria bassiana	12683	Metarhizium sp.	12753	Metarhizium sp.
12614	Beauveria bassiana	12684	Metarhizium sp.	12754	Metarhizium sp.
12615	Beauveria bassiana	12685	Metarhizium sp.	12755	Metarhizium sp.
12616	Beauveria bassiana	12686	Metarhizium sp.	12756	Metarhizium sp.
12617	Beauveria bassiana	12687	Metarhizium sp.	12757	Metarhizium sp.
12618	Beauveria bassiana	12688	Metarhizium sp.	12758	Metarhizium sp.
12619	Beauveria bassiana	12689	Metarhizium sp.	12759	Metarhizium sp.
12620	Beauveria bassiana	12690	Metarhizium sp.	12760	Metarhizium sp.
12621	Lecophagus muscicola	12691	Metarhizium sp.	12761	Metarhizium sp.
12622	Brachyphoris oviparasitica	12692	Metarhizium sp.	12762	Metarhizium sp.
12623	Harposporium sp.	12693	Metarhizium sp.	12763	Metarhizium sp.
12624	Rotiferophthora sp.	12694	Metarhizium sp.	12764	Metarhizium sp.
12625	Rotiferophthora sp.	12695	Metarhizium sp.	12765	Metarhizium sp.
12626	Rotiferophthora sp.	12696	Metarhizium sp.	12766	Metarhizium sp.
12627	Rotiferophthora sp.	12697	Metarhizium sp.	12767	Metarhizium sp.
12628	Rotiferophthora sp.	12698	Metarhizium sp.	12768	Metarhizium sp.
12629	Rotiferophthora sp.	12699	Metarhizium sp.	12769	Metarhizium sp.
12630	Rotiferophthora sp.	12700	Metarhizium sp.	12770	Metarhizium sp.
12631	Tolypocladium trigonosporum	12701	Metarhizium sp.	12771	Metarhizium sp.
12632	Hirsutella citrififormis	12702	Metarhizium sp.	12772	Metarhizium sp.
12633	Hirsutella citrififormis	12703	Metarhizium sp.	12773	Metarhizium sp.
12634	Ascospaera apis	12704	Metarhizium sp.	12774	Metarhizium sp.
12635	Metarhizium sp.	12705	Metarhizium sp.	12775	Metarhizium sp.
12636	Metarhizium sp.	12706	Metarhizium sp.	12776	Metarhizium sp.
12637	Metarhizium sp.	12707	Metarhizium sp.	12777	Metarhizium sp.
12638	Metarhizium sp.	12708	Metarhizium sp.	12778	Metarhizium sp.
12639	Metarhizium sp.	12709	Metarhizium sp.	12779	Metarhizium sp.

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12780	Metarhizium sp.	12850	Metarhizium sp.	12920	Beauveria bassiana sensu lato
12781	Metarhizium sp.	12851	Lecanicillium sp.	12921	Beauveria bassiana sensu lato
12782	Metarhizium sp.	12852	Hirsutella sp.	12922	Beauveria bassiana sensu lato
12783	Metarhizium sp.	12853	Hirsutella sp.	12923	Beauveria bassiana sensu lato
12784	Metarhizium sp.	12854	Metarhizium sp.	12924	Beauveria bassiana sensu lato
12785	Metarhizium sp.	12855	Tolypocladium sp.	12925	Beauveria bassiana sensu lato
12786	Metarhizium sp.	12856	Beauveria bassiana	12926	Beauveria bassiana sensu lato
12787	Metarhizium sp.	12857	Metarhizium anisopliae	12927	Beauveria bassiana sensu lato
12788	Metarhizium sp.	12858	Metarhizium sp.	12928	Beauveria bassiana sensu lato
12789	Metarhizium sp.	12859	Metarhizium sp.	12929	Beauveria bassiana sensu lato
12790	Metarhizium sp.	12860	Unidentified sp.	12930	Beauveria bassiana sensu lato
12791	Metarhizium sp.	12861	Unidentified sp.	12931	Beauveria bassiana sensu lato
12792	Metarhizium sp.	12862	Unidentified sp.	12932	Beauveria bassiana sensu lato
12793	Beauveria sp.	12863	Unidentified sp.	12933	Beauveria bassiana sensu lato
12794	Beauveria sp.	12864	Unidentified sp.	12934	Beauveria bassiana sensu lato
12795	Beauveria sp.	12865	Unidentified sp.	12935	Beauveria bassiana sensu lato
12796	Metarhizium sp.	12866	Metarhizium anisopliae sensu lato	12936	Beauveria bassiana sensu lato
12797	Metarhizium robertsii	12867	Metarhizium anisopliae sensu lato	12937	Beauveria bassiana sensu lato
12798	Metarhizium anisopliae sensu lato	12868	Metarhizium anisopliae sensu lato	12938	Beauveria bassiana sensu lato
12799	Metarhizium robertsii	12869	Metarhizium anisopliae sensu lato	12939	Beauveria bassiana sensu lato
12800	Zoopthora radicans	12870	Metarhizium robertsii	12940	Beauveria bassiana sensu lato
12801	Zoopthora radicans	12871	Metarhizium anisopliae sensu lato	12941	Isaria sp.
12802	Aschersonia aleyrodis	12872	Metarhizium anisopliae sensu lato	12942	Beauveria bassiana sensu lato
12803	Aschersonia aleyrodis	12873	Metarhizium anisopliae sensu lato	12943	Beauveria bassiana sensu lato
12804	Purpureocillium lilacinum	12874	Metarhizium anisopliae sensu lato	12944	Beauveria bassiana sensu lato
12805	Beauveria bassiana	12875	Metarhizium anisopliae sensu lato	12945	Beauveria bassiana sensu lato
12806	Beauveria bassiana	12876	Metarhizium anisopliae sensu lato	12946	Beauveria bassiana sensu lato
12807	Beauveria bassiana	12877	Metarhizium anisopliae sensu lato	12947	Beauveria bassiana sensu lato
12808	Beauveria bassiana	12878	Metarhizium anisopliae sensu lato	12948	Beauveria bassiana sensu lato
12809	Beauveria bassiana	12879	Metarhizium anisopliae sensu lato	12949	Beauveria bassiana sensu lato
12810	Beauveria bassiana	12880	Metarhizium anisopliae sensu lato	12950	Beauveria bassiana sensu lato
12811	Beauveria bassiana	12881	Metarhizium anisopliae sensu lato	12951	Beauveria bassiana sensu lato
12812	Beauveria bassiana	12882	Metarhizium anisopliae sensu lato	12952	Beauveria bassiana sensu lato
12813	Beauveria bassiana	12883	Metarhizium anisopliae sensu lato	12953	Beauveria bassiana sensu lato
12814	Beauveria bassiana	12884	Metarhizium anisopliae sensu lato	12954	Beauveria bassiana sensu lato
12815	Beauveria bassiana	12885	Metarhizium robertsii	12955	Beauveria bassiana sensu lato
12816	Beauveria bassiana	12886	Metarhizium anisopliae sensu lato	12956	Beauveria bassiana sensu lato
12817	Leptolegnia chapmanii	12887	Metarhizium anisopliae sensu lato	12957	Beauveria bassiana
12818	Leptolegnia chapmanii	12888	Metarhizium robertsii	12958	Beauveria bassiana
12819	Leptolegnia chapmanii	12889	Metarhizium robertsii	12959	Beauveria pseudobassiana
12820	Leptolegnia chapmanii	12890	Metarhizium anisopliae sensu lato	12960	Beauveria bassiana
12821	Beauveria bassiana	12891	Beauveria bassiana	12961	Beauveria bassiana
12822	Beauveria bassiana	12892	Beauveria bassiana	12962	Beauveria bassiana
12823	Beauveria bassiana	12893	Beauveria bassiana	12963	Beauveria caledonica
12824	Beauveria bassiana	12894	Beauveria bassiana	12964	Beauveria bassiana
12825	Beauveria bassiana	12895	Aspergillus sp.	12965	Beauveria bassiana
12826	Aphanomyces astaci	12896	Aspergillus sp.	12966	Beauveria bassiana
12827	Leptolegnia chapmanii	12897	Aspergillus sp.	12967	Beauveria bassiana
12828	Leptolegnia chapmanii	12898	Purpureocillium lilacinum	12968	Beauveria bassiana
12829	Leptolegnia chapmanii	12899	Purpureocillium lilacinum	12969	Beauveria caledonica
12830	Conidiobolus macrosporus	12900	Aspergillus sp.	12970	Beauveria bassiana
12831	Leptolegnia sp.	12901	Fusarium sp.	12971	Beauveria bassiana
12832	Leptolegnia sp.	12902	Fusarium sp.	12972	Beauveria caledonica
12833	Leptolegnia sp.	12903	Aphanomyces sp.	12973	Beauveria bassiana
12834	Leptolegnia sp.	12904	Unidentified / Hyphomycetes	12974	Beauveria bassiana
12835	Leptolegnia sp.	12905	Aspergillus sp.	12975	Beauveria bassiana
12836	Leptolegnia sp.	12906	Fusarium sp.	12976	Beauveria pseudobassiana
12837		12907	Metarhizium anisopliae sensu lato	12977	Beauveria bassiana
12838		12908	Unidentified / Hyphomycetes	12978	Beauveria bassiana
12839		12909	Fusarium sp.	12979	Beauveria bassiana
12840		12910	Beauveria bassiana sensu lato	12980	Beauveria bassiana
12841		12911	Fusarium sp.	12981	Beauveria pseudobassiana
12842		12912	Purpureocillium lilacinum	12982	Beauveria bassiana sensu lato
12843		12913	Fusarium sp.	12983	Beauveria bassiana sensu lato
12844		12914	Fusarium sp.	12984	Beauveria bassiana sensu lato
12845		12915	Beauveria bassiana sensu lato	12985	Beauveria bassiana sensu lato
12846		12916	Beauveria bassiana sensu lato	12986	Beauveria bassiana sensu lato
12847		12917	Fusarium sp.	12987	Beauveria bassiana sensu lato
12848		12918	Fusarium sp.	12988	Beauveria bassiana sensu lato
12849		12919	Fusarium sp.	12989	Beauveria bassiana sensu lato

12990	Beauveria bassiana sensu lato	13060	Beauveria bassiana sensu lato
12991	Beauveria bassiana sensu lato	13061	Beauveria bassiana sensu lato
12992	Beauveria bassiana sensu lato	13062	Beauveria bassiana sensu lato
12993	Beauveria bassiana sensu lato	13063	Beauveria bassiana sensu lato
12994	Beauveria bassiana sensu lato	13064	Beauveria bassiana sensu lato
12995	Beauveria bassiana sensu lato	13065	Beauveria bassiana sensu lato
12996	Beauveria bassiana sensu lato	13066	Beauveria bassiana sensu lato
12997	Beauveria bassiana sensu lato	13067	Beauveria bassiana sensu lato
12998	Beauveria bassiana sensu lato	13068	Beauveria bassiana sensu lato
12999	Beauveria bassiana sensu lato	13069	Beauveria bassiana sensu lato
13000	Beauveria bassiana sensu lato	13070	Beauveria bassiana sensu lato
13001	Beauveria bassiana sensu lato	13071	Beauveria bassiana sensu lato
13002	Beauveria bassiana sensu lato	13072	Beauveria bassiana sensu lato
13003	Beauveria bassiana sensu lato	13073	Beauveria bassiana sensu lato
13004	Beauveria bassiana sensu lato	13074	Beauveria bassiana sensu lato
13005	Beauveria bassiana sensu lato	13075	Beauveria bassiana sensu lato
13006	Beauveria bassiana sensu lato	13076	Beauveria bassiana sensu lato
13007	Beauveria bassiana sensu lato	13077	Beauveria bassiana sensu lato
13008	Beauveria bassiana sensu lato	13078	Beauveria bassiana sensu lato
13009	Beauveria bassiana sensu lato	13079	Beauveria bassiana sensu lato
13010	Beauveria bassiana sensu lato	13080	Beauveria bassiana sensu lato
13011	Beauveria bassiana sensu lato	13081	Beauveria bassiana sensu lato
13012	Beauveria bassiana sensu lato	13082	Beauveria bassiana sensu lato
13013	Beauveria bassiana sensu lato	13083	Beauveria bassiana sensu lato
13014	Beauveria bassiana sensu lato	13084	Beauveria bassiana sensu lato
13015	Beauveria bassiana sensu lato	13085	Beauveria bassiana sensu lato
13016	Beauveria bassiana sensu lato	13086	Beauveria bassiana sensu lato
13017	Beauveria bassiana sensu lato	13087	Beauveria bassiana sensu lato
13018	Beauveria bassiana sensu lato	13088	Metarhizium sp.
13019	Beauveria bassiana sensu lato	13089	Beauveria bassiana sensu lato
13020	Beauveria bassiana sensu lato	13090	Beauveria bassiana sensu lato
13021	Beauveria hoplocheli	13091	Beauveria bassiana sensu lato
13022	Ascosphaera apis	13092	Beauveria bassiana sensu lato
13023	Ascosphaera apis	13093	Beauveria bassiana sensu lato
13024	Ascosphaera apis	13094	Beauveria bassiana sensu lato
13025	Ascosphaera apis	13351	
13026	Ascosphaera apis		
13027	Ascosphaera apis		
13028	Ascosphaera apis		
13029	Ascosphaera apis		
13030	Ascosphaera apis		
13031	Metarhizium sp.		
13032	Metarhizium sp.		
13033	Metarhizium sp.		
13034	Metarhizium sp.		
13035	Metarhizium sp.		
13036	Metarhizium sp.		
13037	Metarhizium sp.		
13038	Metarhizium sp.		
13039	Metarhizium sp.		
13040	Metarhizium sp.		
13041	Metarhizium sp.		
13042	Metarhizium sp.		
13043	Metarhizium sp.		
13044	Metarhizium sp.		
13045	Metarhizium sp.		
13046	Beauveria bassiana sensu lato		
13047	Beauveria bassiana sensu lato		
13048	Beauveria bassiana sensu lato		
13049	Beauveria bassiana sensu lato		
13050	Beauveria bassiana sensu lato		
13051	Beauveria bassiana sensu lato		
13052	Beauveria bassiana sensu lato		
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13058	Beauveria bassiana sensu lato		
13059	Beauveria bassiana sensu lato		