

2011

Marker Reports for all Alleles

Eastern Regional Nurseries

Uniform Eastern Soft Red Winter Wheat Nursery
Uniform Southern Soft Red Winter Wheat Nursery

Eastern Regional Small Grains Genotyping Lab

Collaborator: Gina Brown-Guedira

USDA-ARS

Notes

"nd" = not determined or lack of amplification

if marker is dominant, samples with no amplification are left blank or **

"?" indicates that markers may not be diagnostic or data was not clear; therefore, can not be sure if gene is present or not

All numbers are size in base pairs of amplified fragments

Target alleles are in **bold or bold italics**

NT = marker Not Tested on those samples

Rht = dwarfing allele = yes

Ppd-D1a = photoperiod insensitive = yes

Texture for **pina_taqman =AlleleX= yes=hard**

Texture for **pinb D1a-b_taqman = AlleleY=D1a=soft; pinb D1a-d_taqman=BothAlleles=D1a=soft**

* pedigrees, contributors and other notes that were available, are at the far right side of the tables

2011 Uniform Eastern & Southern Soft Red Winter Wheat Nurseries

ID	Year	Nursery	Entry	Sample Name	Pedigree	Contributor	Plant Source	1st Yr in Nursery
A000546	2011	USSRWWN	1	AGS 2000	Pio.2555/PF84301//FL 302 (formerly GA89482E7)	Bockleman	Check	97-98
A000547	2011	USSRWWN	2	Pioneer Brand 26R61	Omega78/S76/4/Arthur71/3/Stadler//Redcoat/Wisc1/5/Ck747/6/2555sib (formerly XW663)	Bockleman	Check	97-98
A000548	2011	USSRWWN	3	Coker 9553	89M-4035A(IL77-2656/NK79W810/Pio2580 (formerly D00*6874-2)	Bockleman	Check	04-05
A000549	2011	USSRWWN	4	USG 3555	VA94-52-60/Pio2643//USG3209 (formerly VA02W-555)	Bockleman	Check	04-05
A000550	2011	USSRWWN	5	NC05-19896	Burr/NC96BGTA6sib//Natchez	Bockleman	Murphy	09-10
A000551	2011	USSRWWN	6	LA02015E201	VA99W-169/Pio26R61,F1//LA94242D4-4(VA92-54-104/Morey sib)	Bockleman	Harrison	10-11
A000552	2011	USSRWWN	7	LA01069D-23-4-4	INW9811(H13)/Pio26R61	Bockleman	Harrison	10-11
A000553	2011	USSRWWN	8	LA03217D-P2	RO23/Pio26R61	Bockleman	Harrison	10-11
A000554	2011	USSRWWN	9	LA02015E42	VA99W-169/Pio26R61,F1//LA94242D4-4(VA92-54-104/Morey sib)	Bockleman	Harrison	10-11
A000555	2011	USSRWWN	10	B05*0154	Hopewell/BL920520	Bockleman	Hancock	10-11
A000556	2011	USSRWWN	11	B06*0758	LA87167-D8-10-2/Ck9134	Bockleman	Hancock	10-11
A000557	2011	USSRWWN	12	Y09*12C	VA96W-49/AGS2000//RC-Strategy	Bockleman	Cisar	10-11
A000558	2011	USSRWWN	13	G09311	P88288A1/Patton	Bockleman	Peterson	10-11
A000559	2011	USSRWWN	14	G09308	Goldfield//IL84-3010/T812	Bockleman	Peterson	10-11
A000560	2011	USSRWWN	15	G09418	T814/L900819	Bockleman	Peterson	10-11
A000561	2011	USSRWWN	16	M05-1526	FFR502/P931765C-H21	Bockleman	Fogleman	10-11
A000562	2011	USSRWWN	17	GA021338-9E15	Pio26R38/GA941238//AGS2000	Bockleman	Johnson	10-11
A000563	2011	USSRWWN	18	GA021338-9EE11	Pio26R38/GA941238//AGS2000	Bockleman	Johnson	10-11
A000564	2011	USSRWWN	19	GA021245-9E16	FL93024/Pio26R61//AGS2485	Bockleman	Johnson	10-11
A000565	2011	USSRWWN	20	MO080104	L910097/MO92-599	Bockleman	McKendry	10-11
A000566	2011	USSRWWN	21	NC07-25169	Tribute/NC98-25380//NC96-13155	Bockleman	Murphy	10-11
A000567	2011	USSRWWN	22	NC07-24445	USG3209/NC98-26541	Bockleman	Murphy	10-11
A000568	2011	USSRWWN	23	VA08W-294	SS520(VA96W-158)/VA99W-188(VA91-54-343/Roane sib)//Tribute	Bockleman	Griffey	10-11
A000569	2011	USSRWWN	24	VA07W-429	VA99W-169(VA91-54-343/VA92-52-52)/GA881130LE5//Crawford	Bockleman	Griffey	10-11
A000570	2011	USSRWWN	25	VA08MAS-412	VA99W-169(VA91-54-343/VA92-52-52)/GA881130LE5//Crawford	Bockleman	Griffey	10-11
A000571	2011	USSRWWN	26	VA05W-151	Pio26R24/McCormick	Bockleman	Griffey	10-11
A000572	2011	USSRWWN	27	TN1002	AR839-27-1-3/(FL302/Pio2251)//G65201/(Massey/Freedom)	Bockleman	West	10-11
A000573	2011	USSRWWN	28	TN1101	(Saluda/Cardinal)/OH645//(Massey/Freedom)/GA90552AE33	Bockleman	West	10-11

2011 Eastern & Southern Soft Red Winter Wheat					Dwarfing alleles			Photoperiod Insensitive alleles	Vernalization alleles
ID	Year	Nursery	Entry	Sample Name	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a	vrn-A1
A000508	2011	UESRWWN	1	INW0411	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000509	2011	UESRWWN	2	Branson	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000510	2011	UESRWWN	3	Bess	Rht-B1b	no	no	no	vrn-A1 long
A000511	2011	UESRWWN	4	Shirley	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000512	2011	UESRWWN	5	T171	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000513	2011	UESRWWN	6	MO 080104	no	no	no	Ppd-D1a insens	vrn-A1 long
A000514	2011	UESRWWN	7	OH05-200-74	Rht-B1b	no	no	no	vrn-A1 long
A000515	2011	UESRWWN	8	IL04-24668	Rht-B1b	no	no	Ppd-D1a insens	nd
A000516	2011	UESRWWN	9	IL05-4236	Rht-B1b	no	Rht8c het	no	vrn-A1 long
A000517	2011	UESRWWN	10	TN902	no	Rht-D1b	Rht8c het	Ppd-D1a insens	vrn-A1 long
A000518	2011	UESRWWN	11	NC05-19896	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000519	2011	UESRWWN	12	X08-18A3	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000520	2011	UESRWWN	13	X08-39D	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000521	2011	UESRWWN	14	G09408	Rht-B1b	no	no	no	vrn-A1 long
A000522	2011	UESRWWN	15	G09419	no	no	no	no	vrn-A1 long
A000523	2011	UESRWWN	16	G09607	Rht-B1b	no	no	no	vrn-A1 long
A000524	2011	UESRWWN	17	IL06-14262	Rht-B1b	no	no	no	vrn-A1 long
A000525	2011	UESRWWN	18	OH06-150-57	Rht-B1b	no	Rht8c	Ppd-D1a insens	vrn-A1 long
A000526	2011	UESRWWN	19	OH06-180-57	no	no	Rht8c	Ppd-D1a insens	vrn-A1 long
A000527	2011	UESRWWN	20	T177	Rht-B1b	nd	no	Ppd-D1a insens	vrn-A1 short
A000528	2011	UESRWWN	21	T178	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 short
A000529	2011	UESRWWN	22	GA021087-9LE33	no	Rht-D1b	no	no	vrn-A1 long
A000530	2011	UESRWWN	23	GA011446-9LE35	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000531	2011	UESRWWN	24	MH07-7483	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000532	2011	UESRWWN	25	MH07-7474	Rht-B1b	no	no	no	vrn-A1 long
A000533	2011	UESRWWN	26	P04702A1-18	Rht-B1b	no	no	no	vrn-A1 long
A000534	2011	UESRWWN	27	P0537A1-12	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000535	2011	UESRWWN	28	P06403A1-4	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000536	2011	UESRWWN	29	KY02C-3005-25	Rht-B1b	no	no	no	vrn-A1 long
A000537	2011	UESRWWN	30	KY02C-3004-07	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000538	2011	UESRWWN	31	VA05W-251	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000539	2011	UESRWWN	32	VA08W-176	no	Rht-D1b	no	no	vrn-A1 long
A000540	2011	UESRWWN	33	VA08W-294	no	Rht-D1b	no	no	vrn-A1 long
A000541	2011	UESRWWN	34	TN1102	Rht-B1b	no	no	no	vrn-A1 long
A000542	2011	UESRWWN	35	NC07-23880	no	Rht-D1b	no	no	vrn-A1 long
A000543	2011	UESRWWN	36	MSU Line E5011	no	Rht-D1b	no	no	vrn-A1 long
A000544	2011	UESRWWN	37	MSU Line E5024	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000545	2011	UESRWWN	38	MSU Line E6012	no	Rht-D1b	no	nd	vrn-A1 long

2011 Eastern & Southern Soft Red Winter Wheat					Dwarfing alleles			Photoperiod Insensitive alleles	Vernalization alleles
ID	Year	Nursery	Entry	Sample Name	Rht-B1b	Rht-D1b	Rht8c	Ppd-D1a	vrn-A1
A000546	2011	USSRWWN	1	AGS 2000	no	Rht-D1b	no	no	vrn-A1 long
A000547	2011	USSRWWN	2	Pioneer Brand 26R61	no	Rht-D1b het	no	Ppd-D1a insens het	vrn-A1 het
A000548	2011	USSRWWN	3	Coker 9553	Rht-B1b het	Rht-D1b het	no	Ppd-D1a insens	vrn-A1 long
A000549	2011	USSRWWN	4	USG 3555	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000550	2011	USSRWWN	5	NC05-19896	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000551	2011	USSRWWN	6	LA02015E201	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 het
A000552	2011	USSRWWN	7	LA01069D-23-4-4	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 short
A000553	2011	USSRWWN	8	LA03217D-P2	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 short
A000554	2011	USSRWWN	9	LA02015E42	no	Rht-D1b	Rht8c het	Ppd-D1a insens	vrn-A1 het
A000555	2011	USSRWWN	10	B05*0154	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000556	2011	USSRWWN	11	B06*0758	no	Rht-D1b	no	no	vrn-A1 short
A000557	2011	USSRWWN	12	Y09*12C	no	Rht-D1b	no	no	vrn-A1 short
A000558	2011	USSRWWN	13	G09311	Rht-B1b	no	no	no	vrn-A1 long
A000559	2011	USSRWWN	14	G09308	no	no	no	no	vrn-A1 long
A000560	2011	USSRWWN	15	G09418	no	no	no	no	vrn-A1 long
A000561	2011	USSRWWN	16	M05-1526	Rht-B1b	no	no	no	vrn-A1 long
A000562	2011	USSRWWN	17	GA021338-9E15	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 long
A000563	2011	USSRWWN	18	GA021338-9EE11	no	Rht-D1b	no	no	vrn-A1 long
A000564	2011	USSRWWN	19	GA021245-9E16	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long
A000565	2011	USSRWWN	20	MO080104	no	no	no	Ppd-D1a insens	vrn-A1 long
A000566	2011	USSRWWN	21	NC07-25169	no	Rht-D1b	no	no	vrn-A1 long
A000567	2011	USSRWWN	22	NC07-24445	no	Rht-D1b	Rht8c het	Ppd-D1a insens	vrn-A1 long
A000568	2011	USSRWWN	23	VA08W-294	no	Rht-D1b	no	no	vrn-A1 long
A000569	2011	USSRWWN	24	VA07W-429	no	Rht-D1b	no	Ppd-D1a insens het	vrn-A1 short
A000570	2011	USSRWWN	25	VA08MAS-412	no	Rht-D1b	no	no	vrn-A1 short
A000571	2011	USSRWWN	26	VA05W-151	no	Rht-D1b	no	no	vrn-A1 long
A000572	2011	USSRWWN	27	TN1002	Rht-B1b	no	no	Ppd-D1a insens	vrn-A1 long
A000573	2011	USSRWWN	28	TN1101	no	Rht-D1b	no	Ppd-D1a insens	vrn-A1 long

2011 Eastern & Southern Soft Red Winter Wheat

Fusarium Head Blight alleles

ID	Year	Nursery	Entry	Sample Name	Fhb1	Fhb Ernie 3Bc	Fhb 2DL-Wuhan1/W14	Fhb 5A Ernie	Fhb 5A Ning7840
A000508	2011	UESRWWN	1	INW0411	Fhb1?	no	no	no	Fhb 5A Ning7840?
A000509	2011	UESRWWN	2	Branson	no	no	no	no	<i>no</i>
A000510	2011	UESRWWN	3	Bess	no	no	no	no	<i>no</i>
A000511	2011	UESRWWN	4	Shirley	no	no	no	no	<i>no</i>
A000512	2011	UESRWWN	5	T171	no	no	no	no	<i>no</i>
A000513	2011	UESRWWN	6	MO 080104	no	no	no	no	<i>no</i>
A000514	2011	UESRWWN	7	OH05-200-74	no	no	no	no	<i>no</i>
A000515	2011	UESRWWN	8	IL04-24668	no	no	no	no	<i>no</i>
A000516	2011	UESRWWN	9	IL05-4236	no	no	no	Fhb 5A Ernie het	<i>no</i>
A000517	2011	UESRWWN	10	TN902	no	no	no	no	<i>no</i>
A000518	2011	UESRWWN	11	NC05-19896	no	no	no	Fhb 5A Ernie het	<i>no</i>
A000519	2011	UESRWWN	12	X08-18A3	no	no	no	Fhb 5A Ernie het?	<i>no</i>
A000520	2011	UESRWWN	13	X08-39D	no	no	no	no	<i>no</i>
A000521	2011	UESRWWN	14	G09408	no	Fhb Ernie 3Bc het?	no	no	<i>no</i>
A000522	2011	UESRWWN	15	G09419	no	no	no	no	<i>no</i>
A000523	2011	UESRWWN	16	G09607	no	no	no	no	<i>no</i>
A000524	2011	UESRWWN	17	IL06-14262	no	no	no	no	<i>no</i>
A000525	2011	UESRWWN	18	OH06-150-57	no	Fhb Ernie 3Bc het?	no	Fhb 5A Ernie het?	<i>no</i>
A000526	2011	UESRWWN	19	OH06-180-57	no	no	no	no	Fhb 5A Ning7840?
A000527	2011	UESRWWN	20	T177	no	no	no	no	<i>no</i>
A000528	2011	UESRWWN	21	T178	no	no	no	no	<i>no</i>
A000529	2011	UESRWWN	22	GA021087-9LE33	no	no	no	no	<i>no</i>
A000530	2011	UESRWWN	23	GA011446-9LE35	no	no	no	no	<i>no</i>
A000531	2011	UESRWWN	24	MH07-7483	no	no	no	no	<i>no</i>
A000532	2011	UESRWWN	25	MH07-7474	no	no	no	no	<i>no</i>
A000533	2011	UESRWWN	26	P04702A1-18	no	no	no	no	<i>no</i>
A000534	2011	UESRWWN	27	P0537A1-12	no	no	no	no	<i>no</i>
A000535	2011	UESRWWN	28	P06403A1-4	Fhb1	no	nd	Fhb 5A Ernie het?	<i>no</i>
A000536	2011	UESRWWN	29	KY02C-3005-25	Fhb1	no	no	no	<i>no</i>
A000537	2011	UESRWWN	30	KY02C-3004-07	Fhb1?	no	no	no	<i>no</i>
A000538	2011	UESRWWN	31	VA05W-251	no	no	no	no	<i>no</i>
A000539	2011	UESRWWN	32	VA08W-176	no	no	no	no	<i>no</i>
A000540	2011	UESRWWN	33	VA08W-294	no	no	no	no	<i>no</i>
A000541	2011	UESRWWN	34	TN1102	no	no	no	no	<i>no</i>
A000542	2011	UESRWWN	35	NC07-23880	no	no	no	no	<i>no</i>
A000543	2011	UESRWWN	36	MSU Line E5011	no	no	no	no	<i>no</i>
A000544	2011	UESRWWN	37	MSU Line E5024	no	no	no	Fhb 5A Ernie	<i>no</i>
A000545	2011	UESRWWN	38	MSU Line E6012	no	no	no	Fhb 5A Ernie	<i>no</i>

2011 Eastern & Southern Soft Red Winter Wheat

Fusarium Head Blight alleles

ID	Year	Nursery	Entry	Sample Name	Fhb1	Fhb Ernie 3Bc	Fhb 2DL-Wuhan1/W14	Fhb 5A Ernie	Fhb 5A Ning7840
A000546	2011	USSRWWN	1	AGS 2000	no	no	no	no	no
A000547	2011	USSRWWN	2	Pioneer Brand 26R61	no	no	no	no	no
A000548	2011	USSRWWN	3	Coker 9553	Fhb1 het	no	no	no	Fhb 5A Ning7840 het?
A000549	2011	USSRWWN	4	USG 3555	no	Fhb Ernie 3Bc	no	no	no
A000550	2011	USSRWWN	5	NC05-19896	no	no	no	Fhb 5A Ernie	no
A000551	2011	USSRWWN	6	LA02015E201	no	no	no	no	no
A000552	2011	USSRWWN	7	LA01069D-23-4-4	no	no	no	no	no
A000553	2011	USSRWWN	8	LA03217D-P2	no	no	no	no	no
A000554	2011	USSRWWN	9	LA02015E42	no	no	no	no	no
A000555	2011	USSRWWN	10	B05*0154	no	no	nd	no	no
A000556	2011	USSRWWN	11	B06*0758	no	no	nd	no	no
A000557	2011	USSRWWN	12	Y09*12C	no	no	no	no	no
A000558	2011	USSRWWN	13	G09311	no	Fhb Ernie 3Bc?	nd	Fhb 5A Ernie	no
A000559	2011	USSRWWN	14	G09308	no	no	no	no	no
A000560	2011	USSRWWN	15	G09418	no	no	no	no	no
A000561	2011	USSRWWN	16	M05-1526	no	Fhb Ernie 3Bc?	no	Fhb 5A Ernie	no
A000562	2011	USSRWWN	17	GA021338-9E15	no	no	no	no	no
A000563	2011	USSRWWN	18	GA021338-9EE11	no	no	no	no	no
A000564	2011	USSRWWN	19	GA021245-9E16	no	no	no	no	no
A000565	2011	USSRWWN	20	MO080104	no	no	no	no	no
A000566	2011	USSRWWN	21	NC07-25169	no	no	nd	no	no
A000567	2011	USSRWWN	22	NC07-24445	no	Fhb Ernie 3Bc het?	no	no	no
A000568	2011	USSRWWN	23	VA08W-294	no	no	no	no	no
A000569	2011	USSRWWN	24	VA07W-429	no	no	no	no	no
A000570	2011	USSRWWN	25	VA08MAS-412	no	no	no	no	no
A000571	2011	USSRWWN	26	VA05W-151	no	no	no	no	no
A000572	2011	USSRWWN	27	TN1002	no	no	no	no	no
A000573	2011	USSRWWN	28	TN1101	no	no	nd	Fhb 5A Ernie	no

2011 Eastern & Southern Soft Red Winter Wheat

Leaf, Stem & Stripe Rusts and Powdery Mildew alleles

ID	Year	Nursery	Entry	Sample Name	Sr2	Sr36	Pm6	Sr24/Lr24	Yr17/Lr37/Sr38	Lr34/Yr18	Sr9a	Lr9	Lr19/Sr25	Qyr.uga-2AS
A000508	2011	UESRWWN	1	INW0411	no	Sr36	NT	no	no	no	no	no	no	no
A000509	2011	UESRWWN	2	Branson	no	no	NT	no	no	no	no	no	no	no
A000510	2011	UESRWWN	3	Bess	no	no	NT	no	no	no	no	no	no	no
A000511	2011	UESRWWN	4	Shirley	no	Sr36	NT	no	no	no	no	no	no	no
A000512	2011	UESRWWN	5	T171	no	no	NT	no	no	no	no	no	no	no
A000513	2011	UESRWWN	6	MO 080104	no	no	NT	no	no	no	no	no	no	no
A000514	2011	UESRWWN	7	OH05-200-74	no	no	NT	no	no	no	no	no	no	no
A000515	2011	UESRWWN	8	IL04-24668	no	no	NT	no	no	no	no	no	no	no
A000516	2011	UESRWWN	9	IL05-4236	no	no	NT	no	no	no	no	no	no	no
A000517	2011	UESRWWN	10	TN902	no	no	NT	no	no	no	no	no	no	no
A000518	2011	UESRWWN	11	NC05-19896	no	Sr36	NT	no	Yr17Lr37/Sr38 het	no	no	no	no	no
A000519	2011	UESRWWN	12	X08-18A3	no	no	NT	nd	Yr17Lr37/Sr38	no	no	no	no	no
A000520	2011	UESRWWN	13	X08-39D	no	no	NT	no	no	no	no	Lr9?	no	no
A000521	2011	UESRWWN	14	G09408	no	Sr36	NT	no	no	no	no	no	no	no
A000522	2011	UESRWWN	15	G09419	no	Sr36	NT	no	no	no	no	no	no	no
A000523	2011	UESRWWN	16	G09607	no	no	NT	no	no	no	no	no	no	no
A000524	2011	UESRWWN	17	IL06-14262	no	no	NT	no	no	no	no	no	no	no
A000525	2011	UESRWWN	18	OH06-150-57	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000526	2011	UESRWWN	19	OH06-180-57	no	no	NT	no	no	no	no	no	no	no
A000527	2011	UESRWWN	20	T177	no	Sr36	NT	no	Yr17Lr37/Sr38 het	no	no	no	no	no
A000528	2011	UESRWWN	21	T178	no	Sr36	NT	no	no	no	no	no	no	no
A000529	2011	UESRWWN	22	GA021087-9LE33	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000530	2011	UESRWWN	23	GA011446-9LE35	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000531	2011	UESRWWN	24	MH07-7483	no	no	NT	no	no	no	no	no	no	no
A000532	2011	UESRWWN	25	MH07-7474	no	no	NT	no	no	no	no	no	no	no
A000533	2011	UESRWWN	26	P04702A1-18	no	Sr36	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000534	2011	UESRWWN	27	P0537A1-12	no	no	NT	no	no	no	no	no	no	no
A000535	2011	UESRWWN	28	P06403A1-4	no	no	NT	no	Yr17Lr37/Sr38	Lr34/Yr18	no	no	no	no
A000536	2011	UESRWWN	29	KY02C-3005-25	no	no	NT	Sr24/Lr24	no	Lr34/Yr18	no	no	no	no
A000537	2011	UESRWWN	30	KY02C-3004-07	no	no	NT	Sr24/Lr24	no	no	no	Lr9	no	no
A000538	2011	UESRWWN	31	VA05W-251	no	no	NT	no	no	no	no	Lr9	no	no
A000539	2011	UESRWWN	32	VA08W-176	no	no	NT	Sr24/Lr24	no	no	no	no	no	no
A000540	2011	UESRWWN	33	VA08W-294	no	no	NT	no	no	no	no	Lr9	no	no
A000541	2011	UESRWWN	34	TN1102	no	no	NT	no	no	no	no	no	no	no
A000542	2011	UESRWWN	35	NC07-23880	no	Sr36	NT	no	no	no	no	Lr9	no	no
A000543	2011	UESRWWN	36	MSU Line E5011	no	no	NT	no	no	no	no	no	no	no
A000544	2011	UESRWWN	37	MSU Line E5024	no	no	NT	no	no	no	no	no	no	no
A000545	2011	UESRWWN	38	MSU Line E6012	no	no	NT	no	no	no	no	no	no	no

2011 Eastern & Southern Soft Red Winter Wheat

Leaf, Stem & Stripe Rusts and Powdery Mildew alleles

ID	Year	Nursery	Entry	Sample Name	Sr2	Sr36	Pm6	Sr24/Lr24	Yr17/Lr37/Sr38	Lr34/Yr18	Sr9a	Lr9	Lr19/Sr25	Qyr.uga-2AS
A000546	2011	USSRWWN	1	AGS 2000	no	no	NT	no	no	no	no	no	no	no
A000547	2011	USSRWWN	2	Pioneer Brand 26R61	no	no	NT	no	no	no	no	no	no	APR Yr P26R61
A000548	2011	USSRWWN	3	Coker 9553	no	no	NT	no	no	no	no	no	no	no
A000549	2011	USSRWWN	4	USG 3555	no	Sr36	NT	no	no	no	no	no	no	no
A000550	2011	USSRWWN	5	NC05-19896	no	Sr36	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000551	2011	USSRWWN	6	LA02015E201	no	no	NT	Sr24/Lr24	Yr17Lr37/Sr38	no	no	no	no	no
A000552	2011	USSRWWN	7	LA01069D-23-4-4	no	no	NT	no	no	no	no	no	no	APR Yr P26R61
A000553	2011	USSRWWN	8	LA03217D-P2	no	no	NT	no	no	no	no	no	no	APR Yr P26R61
A000554	2011	USSRWWN	9	LA02015E42	no	no	NT	Sr24/Lr24	no	no	no	no	no	no
A000555	2011	USSRWWN	10	B05*0154	no	no	NT	no	no	no	no	no	no	no
A000556	2011	USSRWWN	11	B06*0758	no	Sr36	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000557	2011	USSRWWN	12	Y09*12C	no	Sr36	NT	no	no	no	no	no	no	no
A000558	2011	USSRWWN	13	G09311	no	no	NT	no	no	no	no	no	no	no
A000559	2011	USSRWWN	14	G09308	no	Sr36	NT	no	no	no	no	no	no	no
A000560	2011	USSRWWN	15	G09418	no	Sr36	NT	no	no	no	no	no	no	no
A000561	2011	USSRWWN	16	M05-1526	no	no	NT	no	no	no	no	no	no	no
A000562	2011	USSRWWN	17	GA021338-9E15	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000563	2011	USSRWWN	18	GA021338-9EE11	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000564	2011	USSRWWN	19	GA021245-9E16	no	no	NT	no	Yr17Lr37/Sr38	no	no	no	no	no
A000565	2011	USSRWWN	20	MO080104	no	no	NT	no	no	no	no	no	no	no
A000566	2011	USSRWWN	21	NC07-25169	no	Sr36	NT	Sr24/Lr24	no	no	no	no	no	no
A000567	2011	USSRWWN	22	NC07-24445	no	Sr36	NT	no	no	no	no	no	no	no
A000568	2011	USSRWWN	23	VA08W-294	no	no	NT	no	no	no	no	Lr9	no	no
A000569	2011	USSRWWN	24	VA07W-429	no	no	NT	no	Yr17Lr37/Sr38	no	no	Lr9	no	no
A000570	2011	USSRWWN	25	VA08MAS-412	no	no	NT	no	Yr17Lr37/Sr38	no	no	Lr9	no	no
A000571	2011	USSRWWN	26	VA05W-151	no	no	NT	Sr24/Lr24	no	no	no	no	no	no
A000572	2011	USSRWWN	27	TN1002	no	no	NT	Sr24/Lr24	no	no	no	no	no	no
A000573	2011	USSRWWN	28	TN1101	no	nd	NT	no	no	no	no	no	no	no

2011 Eastern & Southern Soft Red Winter Wheat					Rye translocations	Hessian Fly alleles				BYDV	SBMV	Glutenin alleles		
ID	Year	Nursery	Entry	Sample Name	1RS	H13	H9	H25	H26	Bdv2/3	Sbm1	Glu-B1	Glu-D1	Glu-A1
A000508	2011	UESRWWN	1	INW0411	1RS:1BL	no	no	no	no	no	Sbm1	no	het	Ax1 or null
A000509	2011	UESRWWN	2	Branson	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000510	2011	UESRWWN	3	Bess	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax1 or null
A000511	2011	UESRWWN	4	Shirley	1RS:1BL	no	no	no	no	no	Sbm1	no	2+12	Ax1 or null
A000512	2011	UESRWWN	5	T171	non-1RS	no	no	no	no	no	Sbm1	Bx7oe	5+10	het
A000513	2011	UESRWWN	6	MO 080104	non-1RS	no	no	no	no	no	Sbm1	no	5+10	Ax2*
A000514	2011	UESRWWN	7	OH05-200-74	1RS:1AL	no	nd	no	no	no	no	no	2+12	het
A000515	2011	UESRWWN	8	IL04-24668	non-1RS	no	no	no	no	no	Sbm1	no	5+10	Ax2*
A000516	2011	UESRWWN	9	IL05-4236	non-1RS	no	no	no	no	no	Sbm1	no	het	Ax1 or null
A000517	2011	UESRWWN	10	TN902	1RS:1BL	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000518	2011	UESRWWN	11	NC05-19896	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000519	2011	UESRWWN	12	X08-18A3	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax1 or null
A000520	2011	UESRWWN	13	X08-39D	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000521	2011	UESRWWN	14	G09408	non-1RS	no	no	no	no	no	no	no	2+12	Ax2*
A000522	2011	UESRWWN	15	G09419	non-1RS	no	no	no	no	no	no	no	5+10	Ax2*
A000523	2011	UESRWWN	16	G09607	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax1 or null
A000524	2011	UESRWWN	17	IL06-14262	non-1RS	no	no	no	no	no	Sbm1	no	5+10	Ax2*
A000525	2011	UESRWWN	18	OH06-150-57	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000526	2011	UESRWWN	19	OH06-180-57	1RS:1BL	no	no	no	no	no	no	no	2+12	Ax1 or null
A000527	2011	UESRWWN	20	T177	non-1RS	no	no	no	no	no	Sbm1	Bx7oe	2+12	Ax2*
A000528	2011	UESRWWN	21	T178	non-1RS	no	no	no	no	no	Sbm1	Bx7oe	2+12	Ax2*
A000529	2011	UESRWWN	22	GA021087-9LE33	1RS:1BL	no	no	no	no	no	no	no	5+10	Ax1 or null
A000530	2011	UESRWWN	23	GA011446-9LE35	non-1RS	H13	no	no	no	no	Sbm1	no	2+12	Ax1 or null
A000531	2011	UESRWWN	24	MH07-7483	1RS:1BL	no	no	no	no	no	Sbm1 het	no	5+10	Ax1 or null
A000532	2011	UESRWWN	25	MH07-7474	non-1RS	no	no	no	no	no	Sbm1	no	5+10	Ax1 or null
A000533	2011	UESRWWN	26	P04702A1-18	non-1RS	no	no	no	no	Bdv2/3	Sbm1	no	5+10	Ax1 or null
A000534	2011	UESRWWN	27	P0537A1-12	1RS:1AL	no	no	no	no	no	Sbm1	Bx7oe	2+12	Ax2*
A000535	2011	UESRWWN	28	P06403A1-4	1RS:1BL	no	no	no	no	no	Sbm1	no	2+12	Ax1 or null
A000536	2011	UESRWWN	29	KY02C-3005-25	1RS:1AL	no	nd	no	no	no	Sbm1	no	5+10	Ax2*
A000537	2011	UESRWWN	30	KY02C-3004-07	1RS:1AL	no	nd	no	no	no	no	no	5+10	Ax2*
A000538	2011	UESRWWN	31	VA05W-251	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000539	2011	UESRWWN	32	VA08W-176	1RS:1AL	no	nd	no	no	no	Sbm1	no	2+12	Ax2*
A000540	2011	UESRWWN	33	VA08W-294	1RS:1AL	no	nd	no	no	no	no	no	2+12	Ax2*
A000541	2011	UESRWWN	34	TN1102	non-1RS	no	no	no	no	no	Sbm1 het?	no	2+12	Ax1 or null
A000542	2011	UESRWWN	35	NC07-23880	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000543	2011	UESRWWN	36	MSU Line E5011	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000544	2011	UESRWWN	37	MSU Line E5024	1RS:1BL	no	no	no	no	no	no	no	5+10	Ax1 or null
A000545	2011	UESRWWN	38	MSU Line E6012	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax1 or null

2011 Eastern & Southern Soft Red Winter Wheat					Rye translocations	Hessian Fly alleles				BYDV	SBMV	Glutenin alleles		
ID	Year	Nursery	Entry	Sample Name	1RS	H13	H9	H25	H26	Bdv2/3	Sbm1	Glu-B1	Glu-D1	Glu-A1
A000546	2011	USSRWWN	1	AGS 2000	non-1RS	no	no	no	no	no	no	no	5+10	Ax2*
A000547	2011	USSRWWN	2	Pioneer Brand 26R61	1RS:1BL	no	no	no	no	no	Sbm1	Bx7oe het	5+10	het
A000548	2011	USSRWWN	3	Coker 9553	1RS:1BL	no	no	no	no	no	Sbm1	no	het	het
A000549	2011	USSRWWN	4	USG 3555	1RS:1BL	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000550	2011	USSRWWN	5	NC05-19896	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000551	2011	USSRWWN	6	LA02015E201	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000552	2011	USSRWWN	7	LA01069D-23-4-4	non-1RS	no	no	no	no	no	Sbm1	no	5+10	Ax2*
A000553	2011	USSRWWN	8	LA03217D-P2	non-1RS	no	no	no	no	no	Sbm1	no	5+10	Ax2*
A000554	2011	USSRWWN	9	LA02015E42	1RS:1AL	no	nd	no	no	no	Sbm1	no	2+12	Ax2*
A000555	2011	USSRWWN	10	B05*0154	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000556	2011	USSRWWN	11	B06*0758	non-1RS	no	no	no	no	no	Sbm1	Bx7oe	2+12	Ax2*
A000557	2011	USSRWWN	12	Y09*12C	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000558	2011	USSRWWN	13	G09311	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax1 or null
A000559	2011	USSRWWN	14	G09308	non-1RS	no	no	no	no	no	no	no	5+10	Ax2*
A000560	2011	USSRWWN	15	G09418	non-1RS	no	no	no	no	no	no	no	5+10	Ax2*
A000561	2011	USSRWWN	16	M05-1526	1RS:1BL	no	no	no	no	no	Sbm1	Bx7oe het	2+12	Ax1 or null
A000562	2011	USSRWWN	17	GA021338-9E15	1RS:1BL	no	no	no	no	no	Sbm1	no	het	Ax1 or null
A000563	2011	USSRWWN	18	GA021338-9EE11	1RS:1BL	no	no	no	no	no	Sbm1	no	5+10	Ax1 or null
A000564	2011	USSRWWN	19	GA021245-9E16	1RS:1BL	no	no	no	no	no	Sbm1	Bx7oe	het	Ax2*
A000565	2011	USSRWWN	20	MO080104	non-1RS	no	no	no	no	no	Sbm1	no	5+10	Ax2*
A000566	2011	USSRWWN	21	NC07-25169	1RS:1AL	nd	nd	no	no	no	Sbm1	no	2+12	Ax2*
A000567	2011	USSRWWN	22	NC07-24445	non-1RS	no	no	no	no	no	Sbm1	Bx7oe het	nd	het
A000568	2011	USSRWWN	23	VA08W-294	1RS:1AL	no	nd	no	no	no	no	no	2+12	Ax2*
A000569	2011	USSRWWN	24	VA07W-429	non-1RS	no	no	no	no	no	Sbm1	no	het	Ax2*
A000570	2011	USSRWWN	25	VA08MAS-412	non-1RS	no	no	no	no	no	Sbm1	no	2+12	Ax2*
A000571	2011	USSRWWN	26	VA05W-151	1RS:1AL	no	nd	no	no	no	Sbm1	no	2+12	Ax2*
A000572	2011	USSRWWN	27	TN1002	non-1RS	no	no	no	no	no	Sbm1	no	het	Ax2*
A000573	2011	USSRWWN	28	TN1101	non-1RS	no	no	no	no	no	no	no	2+12	Ax1 or null