

Character Matrix: Amastrini, Thuridini

CHARACTERS

1a	1b	1c	1d	1e	1f	2a	2b	2c	2d	2e	2f	2g	2h	2i
2j	2k	2l	2m	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k
3l	3m	4a	4b	4c	4d	4e	4f	4g	4h	4i	4j	5a	5b	5c
5d	6b	6c	6d	6e	7a	7b	7c	7d	7e	7f	7g	7h	7i	7j
7k	7l	7m	7n	7o	7p	7q	8a	8b	8c	8d	8e	8f	8g	8h

STATES

Amastrini*Amastris elevata*

2	2	1	0	1	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	2	0	0	0	1	0	0	0	0
0	2	0	0	0	1	1	2	4	2	4	3	3	3	3
3	3	0	0	2	1	3	1	4	5	0	0	0	0	0

Amastris exigua

2	2	1	0	0	0	0	0	1	0	0	1	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	1	0	0	2	0	0	0	0	0
0	0	0	0	0	1	1	2	4	2	0	2	2	2	2
2	2	0	0	2	1	3	1	4	5	0	0	0	0	0

Amastris obtegens

2	2	1	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	1	1	0	0	2	0	0	3	0	0
0	2	0	0	0	1	1	2	3	1	0	2	2	2	2
2	2	0	0	2	1	3	1	3	5	0	0	0	0	0

Amastris sp. 1

2	2	1	0	0	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	3	2	2	2	1	1	1	2	1	0	3	2	2
1	2	0	?	?	1	1	2	3	1	1	2	2	2	2
2	2	0	0	2	1	3	1	0	?	?	?	?	?	?

Amastris sp. 2

2	2	1	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	2	2	2	1	1	0	2	2	1	0	2	0	0
0	2	0	0	2	1	1	2	3	2	1	2	2	2	2
2	2	0	0	2	1	3	1	2	5	0	0	0	0	0

Amastris sp. 3

2	2	1	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	1	1	0	0	0	1	0	1	0	0
0	0	0	0	0	1	1	2	3	2	1	2	2	2	2
2	2	0	0	2	1	3	1	3	5	0	0	0	0	0

Amastris sp. 4

2	2	1	0	0	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	1	1	0	0	0	1	0	3	2	2
2	2	0	0	2	1	2	2	3	2	1	2	2	2	2
2	2	0	0	2	1	3	1	4	5	0	0	0	0	0
<i>Amastris</i> sp. 5														
2	2	1	0	0	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	2	1	0	0	2	1	0	3	2	3
2	2	0	0	0	1	2	2	3	2	1	2	2	2	2
2	2	0	0	2	1	2	1	2	5	0	0	0	0	0
<i>Bajulata</i> <i>bajula</i>														
2	2	1	0	0	0	0	0	1	0	2	1	0	0	0
0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
0	0	1	0	0	2	1	2	4	2	1	4	4	4	4
4	4	0	0	2	1	4	1	4	5	1	0	0	0	0
<i>Erosne</i> sp.														
2	2	1	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	2	0	0	2	2	0	0	2	0	0	2	0	0
0	2	0	0	0	1	1	2	2	2	0	2	2	2	2
2	2	0	0	2	1	3	1	3	5	0	0	0	0	0
<i>Harmonides</i> <i>reticulata</i>														
2	1	2	0	1	0	0	0	1	0	0	1	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	3	2	1	2	1	2	1	0	0	0	3	2	2
2	0	0	0	2	1	1	2	2	1	0	2	2	2	2
2	2	0	0	2	1	1	1	3	5	0	0	0	0	0
<i>Idioderma</i>														
2	2	1	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	3	1	0	0	0	0	0	0	0
0	2	0	0	0	1	2	1	3	1	0	0	0	1	1
2	2	0	0	2	1	3	1	4	5	0	0	0	0	0
<i>Lallemandia</i>														
2	0	1	0	1	0	1	2	1	0	1	1	0	2	0
0	0	0	0	0	0	1	2	0	0	0	0	0	0	2
0	0	3	2	2	2	0	2	1	0	0	0	0	0	0
0	1	0	0	0	0	4	3	2	1	0	2	2	2	2
0	2	0	0	2	1	1	1	4	0	1	0	0	0	0
<i>Neotynelia</i> <i>nigra</i>														
2	2	1	0	1	0	1	1	1	0	1	1	0	3	0
0	0	0	0	1	3	1	2	0	0	0	0	0	3	3
0	0	3	2	2	2	1	3	1	0	1	0	3	2	1
2	0	0	0	0	1	1	3	2	1	1	2	2	2	2
2	2	0	0	2	1	1	2	1	5	0	1	0	0	0
<i>Neotynelia</i> <i>pubescens</i>														

2	2	1	0	1	0	0	0	1	0	1	1	0	0	0
0	0	0	0	1	1	1	2	0	0	0	0	0	2	2
0	0	3	2	2	2	1	3	1	0	0	0	3	2	2
1	0	0	1	2	0	4	3	1	1	0	2	2	2	2
2	2	0	0	2	1	3	1	3	5	1	1	0	0	0
<i>Neotynelia</i> sp.1														
2	1	1	0	1	0	0	0	0	0	1	1	0	0	0
0	0	0	0	1	1	1	2	0	0	0	0	0	2	2
0	0	3	2	2	2	1	3	1	0	0	0	0	0	0
0	2	0	0	2	0	4	2	2	2	0	0	2	2	2
2	0	0	0	2	1	1	1	3	1	0	1	0	0	0
<i>Neotynelia</i> sp.2														
2	2	1	0	1	0	1	1	1	0	1	1	0	1	0
0	0	0	0	0	0	1	2	0	0	0	0	0	0	1
0	0	3	2	2	2	1	3	1	0	0	0	3	2	2
2	0	0	0	3	1	3	3	2	1	0	2	2	2	2
2	2	0	0	2	1	1	?	?	?	?	?	?	?	?
<i>Neotynelia</i> sp.3														
2	2	1	0	1	0	1	1	1	0	1	1	0	1	0
0	0	0	0	0	0	1	2	0	0	0	0	0	0	1
0	0	3	2	4	2	1	2	1	0	0	0	3	2	5
3	0	0	0	3	0	1	5	2	1	0	2	2	2	2
2	2	0	0	2	1	1	1	3	5	1	1	0	0	0
<i>Neotynelia</i> sp.4														
2	2	1	0	1	0	0	0	0	0	1	0	0	0	0
0	0	0	0	1	1	1	2	0	0	0	0	0	2	2
0	0	3	2	2	2	1	3	1	2	0	0	3	2	1
1	0	0	0	2	1	4	3	2	1	0	2	2	2	2
2	2	0	0	2	1	1	1	4	1	1	1	0	0	0
<i>Tynelia godoyae</i>														
?	?	2	?	1	?	1	1	?	2	0	?	?	?	?
?	?	?	?	1	3	1	2	0	?	?	?	?	?	?
?	?	3	2	2	2	1	2	1	0	?	?	3	2	5
2	0	?	?	?	?	4	2	2	?	?	2	2	2	2
2	2	0	0	2	?	1	?	3	?	1	0	?	?	0
<i>Vanduzea arquata</i>														
2	2	2	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	2	0	0	2	3	0	0	0	0	0	2	0	0
0	2	0	0	3	0	1	2	3	1	0	2	2	2	2
2	2	0	0	2	1	3	1	4	5	0	0	0	0	0
<i>Vanduzea laeta</i>														
2	2	2	0	1	0	0	0	1	0	0	1	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	2	0	0	2	3	0	0	2	0	0	2	0	0
0	2	0	0	0	7	4	3	2	1	0	2	2	2	2
2	2	0	0	2	1	1	1	4	5	0	0	0	0	0
<i>Vanduzea minor</i>														

2	2	2	0	1	0	1	2	1	0	0	1	0	1	0
1	0	0	0	1	1	0	0	1	0	0	0	0	2	0
0	0	3	1	2	2	1	2	1	0	0	0	3	2	2
2	2	0	0	2	0	3	2	2	1	0	2	2	2	2
2	2	0	0	2	1	1	1	2	5	0	0	0	0	0
<i>Vanduzea nolina</i>														
2	2	2	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	2	0	0	2	3	0	0	0	0	0	2	0	0
0	2	0	0	3	7	1	2	2	1	0	2	2	2	2
2	2	0	0	2	1	3	1	3	5	0	0	0	0	0
<i>Vanduzea segmentata</i>														
2	2	2	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	2	0	0	2	3	0	0	2	0	0	0	0	0
0	2	0	0	0	0	1	2	2	1	0	2	2	2	2
2	2	0	0	2	1	1	1	5	5	0	0	0	0	0
<i>Vanduzea sp. 1</i>														
2	2	2	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	2	3	0	0	0	0	0	0	0	0
0	2	0	0	2	0	1	2	3	2	0	2	2	2	2
2	2	0	0	2	1	1	1	4	5	0	0	0	0	0
<i>Vanduzea triguttata</i>														
2	2	2	0	1	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	2	0	0	2	1	0	0	0	0	0	2	0	0
0	2	0	0	3	0	1	2	2	1	0	2	2	2	2
2	2	0	0	2	1	3	1	5	5	0	0	0	0	0
Thuridini														
<i>Thuris binodosus</i>														
1	0	0	0	1	0	0	0	1	3	3	1	0	0	0
0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
1	0	0	0	0	2	0	0	0	0	0	0	0	0	0
0	3	0	1	3	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3	0	0	1	0	0	0