

Morrone (1994) Geodis input file using nesting procedure 2

Endemic Areas

47

| | | | |
|----|----------------|-------|-------|
| 1 | aciculatifrons | | |
| 3 | | 28.67 | 29.33 |
| 2 | angustus | | |
| 2 | | 24.00 | 30.00 |
| 3 | anriae | | |
| 1 | | 28.00 | 30.00 |
| 4 | arrowi | | |
| 2 | | 29.00 | 30.00 |
| 5 | asper | | |
| 1 | | 32.00 | 28.00 |
| 6 | barkeri | | |
| 2 | | 30.00 | 31.00 |
| 7 | bistrigicollis | | |
| 4 | | 29.00 | 31.00 |
| 8 | brevicollis | | |
| 4 | | 29.00 | 31.00 |
| 9 | capeneri | | |
| 1 | | 34.00 | 26.00 |
| 10 | cinereus | | |
| 2 | | 33.00 | 26.00 |
| 11 | cognatus | | |
| 4 | | 29.00 | 31.00 |
| 12 | cultratus | | |
| 3 | | 29.33 | 30.67 |
| 13 | dealbatus | | |
| 5 | | 28.40 | 30.40 |
| 14 | endroedyi | | |
| 1 | | 32.00 | 30.00 |
| 15 | granipennis | | |
| 1 | | 32.00 | 30.00 |
| 16 | granosus | | |
| 2 | | 31.00 | 30.00 |
| 17 | griseus | | |
| 4 | | 33.00 | 25.50 |
| 18 | holmi | | |
| 2 | | 28.00 | 31.00 |
| 19 | horni | | |
| 7 | | 28.29 | 28.57 |
| 20 | impressicollis | | |
| 3 | | 30.00 | 30.67 |
| 21 | kirsteni | | |
| 1 | | 28.00 | 28.00 |
| 22 | laterallis | | |
| 1 | | 32.00 | 30.00 |
| 23 | marginatus | | |
| 4 | | 29.00 | 31.00 |
| 24 | marshalli | | |
| 6 | | 27.33 | 30.33 |
| 25 | minusculus | | |
| 1 | | 32.00 | 26.00 |
| 26 | nanus | | |
| 1 | | 32.00 | 26.00 |
| 27 | obesus | | |
| 3 | | 26.67 | 30.67 |
| 28 | oneili | | |

5 33.20 25.20
 29 panzanus
 2 29.00 30.00
 30 peringueyi
 2 25.00 30.00
 31 planipennis
 1 32.00 30.00
 32 pollinosus
 3 30.00 30.00
 33 pondo
 1 32.00 30.00
 34 prasinus
 3 29.33 30.67
 35 pullus
 10 31.40 27.80
 36 scapularis
 2 33.00 27.00
 37 schoenlandi
 1 32.00 26.00
 38 scholtzi
 1 32.00 30.00
 39 spatulatus
 2 29.00 32.00
 40 tenuicornis
 3 28.67 30.67
 41 thompsoni
 2 31.00 30.00
 42tottus
 4 33.00 25.00
 43 transkeiensis
 1 32.00 30.00
 44 viduus
 2 25.00 31.00
 45 viridis
 3 26.00 29.33
 46 vittatus
 1 24.00 30.00
 47 wahlbergi
 1 29.00 31.00

13

Clade NL_all_areas

25

| | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AreaA | AreaB | AreaC | AreaD | AreaE | AreaF | AreaG | AreaH | AreaI | AreaJ | AreaK | AreaL | AreaM |
| AreaN | AreaO | AreaP | AreaQ | AreaR | AreaS | AreaT | AreaU | AreaV | AreaW | AreaX | AreaY | |

1 1

47

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

| |
|---|
| 0 |
| 0 0 0 0 0 0 0 |
| 0 1 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 1 1 1 0 |
| 0 1 0 |
| 0 0 0 0 0 0 0 |
| 0 |
| 0 0 0 0 1 0 0 |


```

1 1
1 0
1 0
Clade NL_0_3
10
AreaA AreaC AreaD AreaG AreaH AreaK AreaP AreaQ AreaV AreaY
1 1 1 1 1 1 1 1 1 1
18
1 2 13 14 15 18 19 20 21 23 30 31 32 34 37 40 42 44
0 0 0 0 0 0 0 0 0 1 0 0 0 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 1 0 0 0 0 0 0 0 0 0 0 0 1
0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 0 0 0 0 0 1 0 1 0 0 0 0
1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 1 1 0
0 0 0 0 0 0 0 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 1
0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0
Clade NL_0_7
2
AreaO AreaT
1 1
8
5 9 10 17 28 35 36 42
1 0 1 1 1 1 1 1
0 1 0 1 1 1 1 0
Clade NL_0_8
2
AreaI AreaL
1 1
23
1 3 4 6 7 8 11 12 13 16 18 19 20 23 24 27 29 32 34 35 40 41 47
1 1 1 0 1 1 1 1 1 0 1 1 0 1 1 1 1 0 1 1 1 0 1
1 0 1 1 1 1 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1
Clade NL_1_1
2
NL_0_8 NL_0_9
1 0
24
1 3 4 6 7 8 11 12 13 16 18 19 20 23 24 27 29 32 34 35 39 40 41 47
2 1 2 1 2 2 2 2 2 1 1 2 1 2 2 1 2 1 2 2 0 2 1 2
0 0 0 1 1 1 1 1 1 1 0 0 0 0 1 1 0 0 1 1 0 1 0 0 1
Clade NL_1_2
4
NL_0_1 NL_0_2 NL_0_3 NL_0_10
1 1 0 0
32
1 2 7 8 13 14 15 16 17 18 19 20 21 22 23 24 27 30 31 32 33 35 38 39 40 41 42 43
44 45 46 47
0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 2 0 0 0 0 0 0 0 0 0 0 2 1 1 0
0 0 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0
1 1 0 0 0 1 1 1 0 0 4 1 1 1 1 0 0 0 1 1 1 4 1 0 0 1 0 1 0 2 0 0
0 0 1 1 1 0 0 0 0 1 1 1 0 0 1 1 1 0 0 0 0 1 0 1 1 0 0 0 0 0 0 1
Clade NL_1_3
2
NL_0_4 NL_0_5

```

```

0 0
2
28 35
1 1
1 1
Clade NL_1_4
2
NL_0_6 NL_0_7
0 1
11
5 9 10 17 25 26 28 35 36 37 42
0 0 0 1 1 1 1 1 0 1 1
1 1 1 2 0 0 2 2 2 0 1
Clade NL_2_1
2
NL_1_1 NL_1_2
1 0
39
1 2 3 4 6 7 8 11 12 13 14 15 16 17 18 19 20 21 22 23 24 27 29 30 31 32 33 34 35
38 39 40 41 42 43 44 45 46 47
2 0 1 2 2 3 3 3 3 0 0 1 0 1 2 1 0 0 3 3 1 2 0 0 2 0 3 2 0 1 2 1 0 0 0 0 0 3
1 2 0 0 0 1 1 0 0 2 1 1 1 3 1 5 2 1 1 1 3 4 0 2 1 1 1 0 5 1 1 1 1 1 1 2 3 1 1
Clade NL_2_2
2
NL_1_3 NL_1_4
0 1
11
5 9 10 17 25 26 28 35 36 37 42
0 0 0 0 0 0 2 2 0 0 0
1 1 1 3 1 1 3 3 2 1 2
Clade NL_3_total
2
NL_2_1 NL_2_2
1 1
47
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
3 2 1 2 0 2 4 4 0 0 3 3 4 1 1 2 3 2 7 3 1 1 4 6 0 0 5 0 2 2 1 3 1 3 7 0 0 1 2 3
2 1 1 2 3 1 4
0 0 0 0 1 0 0 0 1 1 0 0 0 0 0 0 3 0 0 0 0 0 0 0 1 1 0 5 0 0 0 0 0 0 5 2 1 0 0 0
0 2 0 0 0 0 0
END

```