

## Morrone (1994) Geodis input file using nesting procedure 1

### 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  
42 tottus  
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  
11  
Clade 1-2  
2  
0-3 0-23  
1 1  
3  
27 30 44  
1 1 0  
1 0 1  
Clade 1-3  
2  
0-2 0-1  
1 1  
2  
17 42  
1 1  
2 0  
Clade 1-5

8  
0-4 0-5 0-6 0-7 0-8 0-11 0-12 0-13  
1 1 1 1 1 1 1 1  
6  
2 19 21 24 35 45  
0 0 0 1 0 0  
1 0 0 0 0 0  
0 1 0 0 1 0  
0 1 0 0 0 0  
0 1 1 0 0 0  
0 0 0 0 0 1  
0 0 0 0 1 0  
0 0 0 0 0 1  
Clade 1-9  
2  
0-17 0-18  
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 2-1  
2  
1-12 1-13  
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 0 1 1 1 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1  
1 1 1 0 1 1 1 1 1 0 1 1 0 1 1 1 1 0 1 1 1 0 1  
Clade 2-3  
2  
1-1 1-2  
1 0  
7  
2 24 27 30 44 45 46  
1 1 1 1 1 1 1  
0 0 2 1 1 0 0  
Clade 2-4  
4  
1-3 1-4 1-5 1-6  
1 1 0 0  
10  
2 17 19 21 24 28 32 35 42 45  
0 3 0 0 0 0 0 0 1 0  
0 0 1 0 0 0 1 1 0 0  
1 0 3 1 1 0 0 2 0 2  
0 0 0 0 0 1 0 1 0 0  
Clade 2-5  
3  
1-7 1-8 1-9  
0 1 1  
11  
5 9 10 17 25 26 28 35 36 37 42  
0 0 1 0 0 0 1 1 0 0 1  
0 0 0 1 1 1 1 1 0 1 1  
1 1 1 2 0 0 2 2 2 0 1  
Clade 3-1

```

2
2-1 2-2
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 0 0 0 0 1 1 0 0 1 1 0 1 0 0 1
Clade 3-3
4
2-3 2-4 2-5 2-6
1 0 1 1
33
1 2 5 9 10 14 15 16 17 19 20 21 22 24 25 26 27 28 29 30 31 32 33 35 36 37 38 41
42 43 44 45 46
0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 3 0 0 2 0 0 0 0 0 0 0 0 0 0 0 2 1 1
0 1 0 0 0 0 0 0 3 4 0 1 0 1 0 0 0 0 1 0 0 1 0 4 0 0 0 0 1 0 0 0 2
0 0 1 1 2 0 0 0 3 0 0 0 0 0 1 1 0 4 0 0 0 0 0 4 2 1 0 0 3 0 0 0 0
1 0 0 0 0 1 1 1 0 0 1 0 1 0 0 0 0 0 0 0 1 0 1 1 0 0 1 1 0 1 0 0 0
Clade 4-0
3
3-1 3-2 3-3
1 0 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
2 0 1 2 0 2 3 3 0 0 3 3 3 0 0 1 0 1 2 1 0 0 3 3 0 0 1 0 1 0 0 2 0 3 2 0 0 0 1 2
1 0 0 0 0 0 3
0 0 0 0 0 0 1 1 0 0 0 0 1 0 0 0 0 1 1 1 0 0 1 1 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 1
0 0 0 0 0 0 1
1 2 0 0 1 0 0 0 1 2 0 0 0 1 1 1 6 0 4 0 1 1 0 2 1 1 3 4 1 2 1 1 1 0 9 2 1 1 0 0
1 4 1 2 3 1 0
END

```