
Supplementary material

***eadem figura manet*: Measuring morphological convergence in diplocentrid scorpions (Arachnida : Scorpiones : Diplocentridae) under a multilocus phylogenetic framework**

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Table S1. List of the species and molecular markers included in the multilocus phylogenetic analyses of 36 diplocentrid scorpion species, plus nine outgroups; and GenBank accession numbers

Species	18S	28S	12S	16S	COI
<i>Androctonus australis</i>	X77908	AF124955	JQ423124	KJ538465	KJ538470
<i>Smeringurus grandis</i>	KM274432	KM274578	KM274140	KM274286	KM274724
<i>Bothriurus flavidus</i>	KT446811	KT446923	KT446587	KT446699	KT447034
<i>Urodacus planimanus</i>	NEW SUB	NEW SUB	Not available	Not available	Not available
<i>Liocheles australasiae</i>	NEW SUB	NEW SUB	Not available	JQ514233	JN018157
<i>Opisthacanthus madagascariensis</i>	NEW SUB	NEW SUB	KF548105	JQ514236	Not available
<i>Hadogenes paucidens</i>	NEW SUB	NEW SUB	JQ423130	Not available	JQ514257
<i>Pandinus imperator</i>	NEW SUB	AY156537	AY156552	AY156567	AY156582
<i>Heterometrus laoticus</i>	JN018277	JN018374	AY156543	AY156558	AY156573
<i>Nebo hierichonticus</i>	NEW SUB	AY156526	AY156543	AY156556	AY156571
<i>Heteronebo jamaicae</i>	KM514559	KM514594	KM514489	KM514524	KM514629
<i>Tarsoporosus kugleri</i>	KM514560	KM514595	KM514490	KM514525	KM514630
<i>Bioculus caboensis</i>	KM514561	KM514596	KM514491	KM514526	KM514631
<i>Bioculus comondae</i>	KM514562	KM514597	KM514492	KM514527	KM514632
<i>Didymocentrus krausi</i>	KM514563	KM514598	KM514493	KM514528	KM514633
<i>Didymocentrus lesueurii</i>	KM514564	KM514599	KM514494	KM514529	KM514634
<i>Kolotl magnus</i>	KM514565	KM514600	KM514495	KM514530	KM514635
<i>Kolotl poncei</i>	KM514566	KM514601	KM514496	KM514531	KM514636
<i>Diplocentrus anophthalmus</i>	KM514567	KM514602	KM514497	KM514532	KM514637
<i>Diplocentrus bereai</i>	KM514568	KM514603	KM514498	KM514533	KM514638
<i>Diplocentrus coddingtoni</i>	KM514569	KM514604	KM514499	KM514534	KM514639
<i>Diplocentrus colwelli</i>	KM514570	KM514605	KM514500	KM514535	KM514640
<i>Diplocentrus coylei</i>	KM514571	KM514606	KM514501	KM514536	KM514641
<i>Diplocentrus cozumel</i>	KM514572	KM514607	KM514502	KM514537	KM514642
<i>Diplocentrus diablo</i>	KM514573	KM514608	KM514503	KM514538	KM514643
<i>Diplocentrus formosus</i>	KM514574	KM514609	KM514504	KM514539	KM514644
<i>Diplocentrus gertschi</i>	KM514575	KM514610	KM514505	KM514540	KM514645
<i>Diplocentrus hoffmanni</i>	KM514576	KM514611	KM514506	KM514541	KM514646
<i>Diplocentrus jaca</i>	KM514577	KM514612	KM514507	KM514542	KM514647
<i>Diplocentrus keyserlingii</i>	KM514578	KM514613	KM514508	KM514543	KM514648
<i>Diplocentrus kraepelini</i>	KM514579	KM514614	KM514509	KM514544	KM514649
<i>Diplocentrus lindo</i>	KM514580	KM514615	KM514510	KM514545	KM514650
<i>Diplocentrus melici</i>	KM514581	KM514616	KM514511	KM514546	KM514651
<i>Diplocentrus mexicanus</i>	KM514582	KM514617	KM514512	KM514547	KM514652
<i>Diplocentrus mitlae</i>	KM514583	KM514618	KM514513	KM514548	KM514653
<i>Diplocentrus motagua</i>	KM514584	KM514619	KM514514	KM514549	KM514654
<i>Diplocentrus peloncillensis</i>	KM514585	KM514620	KM514515	KM514550	KM514655
<i>Diplocentrus rectimanus</i>	KM514586	KM514621	KM514516	KM514551	KM514656
<i>Diplocentrus reddelli</i>	KM514587	KM514622	KM514517	KM514552	KM514657
<i>Diplocentrus sagittipalpus</i>	KM514588	KM514623	KM514518	KM514553	KM514658

<i>Diplocentrus silanesi</i>	KM514589	KM514624	KM514519	KM514554	KM514659
<i>Diplocentrus sissomi</i>	KM514590	KM514625	KM514520	KM514555	KM514660
<i>Diplocentrus tehuacanus</i>	KM514591	KM514626	KM514521	KM514556	KM514661
<i>Diplocentrus whitei</i>	KM514592	KM514627	KM514522	KM514557	KM514662
<i>Diplocentrus zacatecanus</i>	KM514593	KM514628	KM514523	KM514558	KM514663

Table S2. Telotarsal and basitarsal spiniform macrosetae counts on the 36 diplocentrid scorpion species studied

The first letter indicates the segment (t=telotarsus, b=basitarsus); the second indicates the face of the leg (p=prolateral, r= retrolateral), the third indicates the number of the leg; and after the number of the leg is the position of the counts (d=distal, sd= subdistal, m= medial, rm= retrolateral median, pr= proximal)

	tp1	tr1	tp2	tr2	tp3	tr3	tp4	tr4	b1d	b1sd	b1m	b1rm	b1rpr	b2d	b2sd	b2m	b2rd	b2rm	b2rpr	b3d	b3sd	b3m
<i>Nhierichonticus</i>	6	7	7	8	8	9	8	9	2	1	0	0	1	2	1	0	0	0	1	3	1	0
<i>Hjamaicae</i>	4	4	5	5	6	6	6	6	2	1	2	0	0	2	2	2	1	1	0	3	2	1
<i>Tkugleri</i>	3	3	3	3	4	4	4	4	1	2	0	0	0	2	1	0	0	0	0	3	1	0
<i>Bcaboensis</i>	3	3	4	4	5	5	5	5	0	2	1	0	0	2	2	0	0	0	0	3	1	1
<i>Bcomonda</i>	3	3	4	4	5	5	5	5	0	2	1	0	0	2	2	0	0	0	0	3	1	1
<i>Dkrausi</i>	3	3	4	4	5	5	5	5	0	0	1	0	0	2	1	0	0	0	0	3	1	0
<i>Dlesueurii</i>	3	3	4	4	5	5	5	5	2	2	0	0	0	2	2	0	0	0	0	3	1	0
<i>Kmagnus</i>	4	6	4	7	5	7	6	7	2	2	0	0	0	2	2	1	0	0	0	3	1	0
<i>Kponcei</i>	3	5	4	6	5	7	5	7	2	2	0	0	0	2	2	0	0	0	0	3	1	0
<i>Danophthalmus</i>	4	4	4	4	5	5	5	5	2	2	2	0	0	2	2	2	0	1	0	3	1	1
<i>Dbereai</i>	4	4	4	4	4	5	5	5	0	2	2	0	0	2	2	1	0	1	0	3	1	1
<i>Dcoddingtoni</i>	4	4	4	5	5	5	5	5	2	2	1	0	0	2	2	2	0	1	0	3	1	1
<i>Dcolwelli</i>	5	5	5	6	6	7	6	7	0	2	1	0	0	2	2	1	0	1	0	3	2	1
<i>Dcoylei</i>	4	5	5	5	6	6	6	6	1	1	2	1	0	3	1	1	0	1	0	3	1	0
<i>Dcozumel</i>	5	5	6	6	7	7	7	8	0	2	2	1	0	2	2	2	0	1	0	3	2	1
<i>Ddiablo</i>	4	4	4	5	5	6	5	6	2	2	2	1	0	2	2	0	0	1	0	3	2	1
<i>Dformosus</i>	5	6	6	6	6	6	7	7	2	0	1	1	0	2	2	1	0	1	0	3	1	0
<i>Dgertschi</i>	4	5	5	6	6	6	6	6	2	2	2	0	0	2	2	2	0	1	0	3	1	1
<i>Dhoffmanni</i>	5	5	5	5	6	6	6	6	2	0	1	1	0	1	2	1	0	1	0	3	1	0
<i>Djaca</i>	4	5	5	5	5	6	6	6	1	2	2	0	0	2	2	2	0	1	0	3	2	1
<i>Dkeyserlingii</i>	4	5	5	5	5	6	6	6	2	2	0	1	0	2	2	1	0	1	0	3	1	0
<i>Dkraepelini</i>	4	5	5	5	6	6	6	6	2	2	1	0	0	2	2	1	0	1	0	3	1	0
<i>Dlindo</i>	4	5	5	5	6	7	6	7	1	2	1	1	0	2	2	2	0	1	0	3	2	1

<i>Dmelici</i>	4	5	5	5	5	6	6	6	0	2	2	0	0	2	2	2	0	1	0	3	1	1
<i>Dmexicanus</i>	5	6	6	7	7	8	7	8	1	3	1	0	0	2	2	3	0	1	0	3	2	1
<i>Dmitlae</i>	4	4	4	5	5	5	5	5	2	1	0	0	0	2	1	1	0	1	0	3	1	0
<i>Dmotagua</i>	4	4	4	4	5	5	5	5	0	2	0	0	0	2	2	1	0	1	0	3	2	1
<i>Dpeloncillensis</i>	5	6	6	6	6	7	6	7	2	2	1	1	0	2	2	1	1	1	0	3	2	1
<i>Drectimanus</i>	4	5	5	5	6	6	6	6	1	1	1	0	0	2	2	0	0	1	0	3	1	0
<i>Dreddelli</i>	4	5	5	5	5	6	7	7	2	2	0	0	0	2	2	2	0	1	0	3	1	1
<i>Dsagittipalpus</i>	5	5	5	5	6	6	6	6	0	2	1	1	0	2	1	1	0	1	0	3	1	0
<i>Dsilanesi</i>	6	7	6	7	7	8	7	8	1	2	1	0	0	2	2	2	0	1	0	3	2	1
<i>Dsissomi</i>	5	5	5	6	6	6	6	6	2	2	1	1	0	2	2	0	0	1	0	3	1	0
<i>Dtehuacanus</i>	4	5	5	5	6	6	6	6	0	2	2	1	0	3	1	2	0	1	0	3	1	1
<i>Dwhitei</i>	6	7	6	7	7	8	7	8	2	2	2	1	0	2	2	2	0	1	0	3	2	1
<i>Dzacatecanus</i>	5	6	5	6	6	7	6	7	2	2	1	1	0	2	2	0	0	1	0	3	2	1

