

Supplementary material

**Systematics of the *Peripatopsis clavigera* species complex
(Onychophora : Peripatopsidae) reveals cryptic cladogenic patterning,
with the description of five new species**

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Table S1. Uncorrected ‘p’ sequence divergence among *Peripatopsis clavigera* sample sites for the *COI* locus

Sample sites correspond to Table 1

Sample site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	–														
2	0.00–9.55	–													
3	8.14–9.39	8.14–8.61	–												
4	8.61–10.64	8.61–11.11	1.41–10.17	–											
5	0.00–9.23	0.16–2.50	7.98–8.29	8.76–10.80	–										
6	8.30–10.64	2.50–10.64	1.10–10.01	0.47–10.96	8.15–10.49	–									
7	8.61–11.74	8.61–10.95	4.38–8.76	4.70–10.96	8.29–10.64	2.19–11.27	–								
8	8.76–11.58	8.76–10.49	5.16–6.89	5.48–10.02	7.82–10.17	5.33–10.80	0.63–10.17	–							
9	2.19–9.39	2.35–8.76	0.16–7.82	0.94–10.32	0.63–8.45	0.94–10.80	4.38–9.23	5.32–9.86	–						
10	8.14–10.64	8.13–10.64	0.16–9.70	0.94–10.96	8.13–10.49	0.00–10.80	0.63–11.27	0.31–9.86	0.31–9.86	–					
11	8.77–11.11	8.76–10.64	1.41–6.73	0.00–10.80	8.76–10.32	1.57–10.96	2.66–10.17	0.93–7.98	1.25–9.55	1.25–10.96	–				
12	8.77–10.95	8.76–11.27	1.56–10.32	0.16–10.80	8.76–10.80	0.63–11.11	4.69–11.11	5.48–10.01	1.41–10.49	1.41–11.11	0.00–10.64	–			
13	8.92–10.80	8.92–11.11	1.56–10.17	0.16–10.80	8.29–10.96	0.47–11.23	5.07–10.96	5.79–10.33	1.41–10.64	1.41–11.27	0.00–10.49	0.00–10.64	–		
14	8.61–10.17	8.61–9.55	1.40–2.19	0.00–10.80	8.45–9.23	1.57–10.80	4.85–9.39	5.63–7.82	1.56–8.76	1.25–10.33	1.56–7.36	0.16–10.64	0.16–10.64	–	
15	9.55–11.73	9.55–10.64	5.01–9.86	2.03–10.32	9.70–10.32	2.19–11.42	1.72–10.96	2.35–9.56	5.32–9.86	5.16–11.42	4.85–10.49	2.19–10.49	2.35–10.49	5.63–10.49	–
16	9.70–10.64	10.49–10.64	10.64–10.95	10.96–12.21	10.17–10.49	10.80–12.06	10.95–12.21	11.11–12.21	10.02–10.80	10.80–12.21	10.96–12.21	10.49–12.21	10.96–12.21	10.80–11.11	11.11–11.74

Table S3. Pairwise F_{ST} values for the COI locus across 15 of the different sample localities for *Peripatopsis clavigera*

The Tulbagh locality was excluded from this analysis given its prescribed novel species status. Values in bold are statistically significant ($P < 0.005$).

Localities 1–15 correspond to those in Table 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	–													
2	0.40633	–												
3	0.62425	0.94472	–											
4	0.59703	0.82344	0.35854	–										
5	0.08084	0.33894	0.88982	0.72012	–									
6	0.14653	0.50130	0.36191	0.33576	0.04058	–								
7	0.56099	0.76337	0.54742	0.51340	0.63663	0.30546	–							
8	0.62775	0.83106	0.69867	0.64822	0.73297	0.43544	0.34631	–						
9	0.28294	0.56610	0.38279	0.34763	0.19634	0.02701	0.41706	0.55126	–					
10	0.49827	0.73565	0.02857	0.17114	0.58691	0.18604	0.37567	0.50332	0.18182	–				
11	0.54163	0.69574	0.23298	0.01995	0.59621	0.30043	0.36030	0.50279	0.29178	0.14070	–			
12	0.51611	0.79108	0.33399	–0.09106	0.62236	0.19398	0.44966	0.58622	0.26849	0.14243	–0.01439	–		
13	0.40182	0.70408	0.33273	0.08136	0.45211	0.01369	0.37910	0.50622	0.22196	0.17544	0.08266	–0.06299	–	
14	0.63283	0.95863	0.75748	–0.06174	0.90663	0.36790	0.58492	0.73121	0.41192	0.22766	0.01048	–0.05729	0.18200	–
15	0.47887	0.71820	0.55040	0.49560	0.52920	0.17867	0.26713	0.41929	0.40218	0.41981	0.40994	0.39182	0.21348	0.56173

