

TABLE 1. CLADISTIC DATA MATRIX.

Character number	1	2	3	4	5	6	7	8	9	10
<i>Crenisopus acinifer</i>	1?	22223321	2125221122	2213212113	2223233213	322122223?	?112221113	1112211241	41233	
<i>Crenoicus buntiae</i>	2	111121111	3114131231	1112122212	1123231?13	1112122132	3121222311	1111121411	41112	
<i>Eophreatoicus sp.</i>	3	211121211	32?1121122	1111211213	2122214211	4112123233	2211142213	1221211541	41212	
<i>Hypsimetopus sp.</i>	3	221221113	2114121222	2122121131	2223131213	112121332?	?112222232	4122212351	41111	
<i>Mesamphisopus capensis</i>	1	122121321	4125121132	2312212122	2233222212	4211121131	3121222232	1112211541	12233	
<i>Metaphreatoicus australis</i>	2	3111122211	3114131233	2122111113	2122234133	1212113232	3121222133	3111121512	41132	
<i>Neophreatoicus assimilis</i>	3	221131113	41?43?2233	?1?3211142	?2?2341??	?12121?32	????2223?3	11?221?512	521?1	
<i>Paramphisopus palustris</i>	1?	22221211	3114131133	2122211212	1233231233	1212222222	2221142211	3211111351	42212	
<i>Phreatoicus typicus</i>	3	122133323	42?4322232	2123212222	212?234113	1212223?33	3121221313	1113212512	52141	
<i>Phreatomerus sp.</i>	1?	21223211	3111131122	2223221212	2223214231	4112223232	2211142311	1121211352	41211	

Legend to Table 1.

Genera of the Phreatoicidea, 10 taxa, 75 characters. All taxa, except *Neophreatoicus assimilis*, were scored directly from specimens in the collection of the Australian Museum, the Western Australian Museum or the Tasmanian Museum and Art Gallery (see Appendix 1). See Appendix 2 for list of characters and character states.