

Electronic Appendix Dragon ornamentation and reported shelter type. Values denote presence (1) or absence (0) of trait. Note those ornaments scored as present in both sexes may be larger in males (see Methods for details).

Species	Rostral appendage		Supra-ocular spines/ridges		Nape crest/spines		Gular sac		Dorsal crest/spines		Tail crest/spines		Enlarged cheeks	Shelter type*
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Acanthocercus adramitanus</i>	0	0	0	0	1	0	0	0	0	0	1	1	1	Rock crevices
<i>A. annectens</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	nd
<i>A. atricollis</i>	0	0	0	0	1	1	0	0	0	0	0	0	1	Tree trunks/shrubs
<i>A. cyanogaster</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	nd
<i>A. yemensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Rock crevices
<i>Acanthosaura armarta</i>	0	0	1	1	1	1	0	0	1	1	0	0	0	Tree trunks/shrubs
<i>A. capra</i>	0	0	1	1	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>A. crucigera</i>	0	0	1	1	1	1	1	0	1	1	0	0	0	Tree trunks/shrubs
<i>A. lepidogaster</i>	0	0	1	1	1	1	0	0	1	1	0	0	0	Tree trunks/shrubs
<i>Agama aculeata</i>	0	0	0	0	1	1	0	0	1	1	0	0	1	Ground vegetation
<i>A. agama</i>	0	0	0	0	1	0	0	0	0	0	1	0	0	Rock crevices
<i>A. anchietae</i>	0	0	0	0	1	1	0	0	1	1	1	1	0	Rock crevices
<i>A. armarta</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	Burrows/sand-shimmying
<i>A. atra</i>	0	0	0	0	1	1	0	0	1	1	1	0	0	Rock crevices
<i>A. bibroni</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	nd
<i>A. caudospinosa</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	nd
<i>A. etoshae</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>A. hispida</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>A. impalearis</i>	0	0	0	0	1	0	1	1	1	0	0	0	0	Rock crevices
<i>A. kirkii</i>	0	0	0	0	1	1	1	1	1	1	1	1	0	Rock crevices
<i>A. makarikarica</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	Burrows/sand-shimmying
<i>A. mossambica</i>	0	0	0	0	1	1	0	0	1	1	1	1	0	Tree trunks/shrubs
<i>A. mwanzae</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	nd
<i>A. persimilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>A. planiceps</i>	0	0	0	0	1	1	0	0	0	0	1	0	0	Rock crevices
<i>A. rueppeli</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	nd
<i>A. sankaranika</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>A. sylvanus</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Tree trunks/shrubs

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Species	Rostral appendage		Supra-ocular spines/ridges		Nape crest/spines		Gular sac		Dorsal crest/spines		Tail crest/spines		Enlarged cheeks	Shelter type*
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Amphibolurus muricatus</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>A. nobbi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>A. norrisi</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Ground vegetation
<i>Aphaniotis acutirostris</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Ground vegetation
<i>A. fusca</i>	0	0	0	0	1	1	1	0	0	0	0	0	0	Tree trunks/shrubs
<i>Brachysaura minor</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	Burrows/sand-shimmying
<i>Bronchocela celebensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>B. cristatella</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	Tree trunks/shrubs
<i>B. jubata</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>B. marmorata</i>	0	0	0	0	1	1	1	1	1	0	0	0	0	nd
<i>B. smaragdina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>Bufoinceps laungwalansis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>Caimanops amphiboluroides</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>Calotes calotes</i>	0	0	0	0	1	1	1	0	1	1	0	0	0	Tree trunks/shrubs
<i>C. ceylonensis</i>	0	0	0	0	1	1	0	0	0	0	0	0	1	Tree trunks/shrubs
<i>C. ellioti</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	nd
<i>C. emma</i>	0	0	1	1	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>C. grandiquamis</i>	0	0	0	0	1	1	1	0	1	1	0	0	0	nd
<i>C. jerdoni</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>C. kinabaluensis</i>	0	0	0	0	1	1	1	1	1	0	0	0	0	Tree trunks/shrubs
<i>C. liocephalus</i>	0	0	0	0	1	1	1	0	1	1	0	0	1	Tree trunks/shrubs
<i>C. mystaceus</i>	0	0	0	0	1	1	1	1	1	1	0	0	1	Tree trunks/shrubs
<i>C. nemoricola</i>	0	0	0	0	1	1	1	0	1	1	0	0	1	Tree trunks/shrubs
<i>C. nigrilabris</i>	0	0	0	0	1	1	1	0	1	1	0	0	0	Ground vegetation
<i>C. rouxii</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	Tree trunks/shrubs
<i>C. versicolor</i>	0	0	0	0	1	1	1	1	1	1	0	0	1	Ground vegetation
<i>Ceratophora aspera</i>	1	1	1	1	0	0	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>C. stoddarti</i>	1	1	0	0	1	0	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>C. tennentii</i>	1	1	0	0	1	1	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>Chelosania brunnea</i>	0	0	0	0	1	1	1	1	0	0	0	0	0	Ground vegetation
<i>Chlamydosaurus kingii</i>	0	0	0	0	1	1	0	0	0	0	0	0	1	Tree trunks/shrubs
<i>Cophotis ceylanica</i>	0	0	1	0	1	1	1	0	1	1	0	0	0	Tree trunks/shrubs
<i>C. sumatrana</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	nd

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	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Cryptagama aurita</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>Ctenophorus caudicinctus</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Rock crevices
<i>C. clayi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>C. cristatus</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	Ground vegetation
<i>C. decresii</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	Rock crevices
<i>C. femoralis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>C. fionni</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	Other
<i>C. fordi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>C. gibba</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>C. isolepis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>C. maculatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>C. maculosus</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	Burrows/sand-shimmying
<i>C. mckenzii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>C. nuchalis</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>C. ornatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Rock crevices
<i>C. pictus</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Burrows/sand-shimmying, ground vegetation
<i>C. reticulatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>C. rufescens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Rock crevices
<i>C. salinarum</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>C. scutulatus</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	nd
<i>C. vадnappa</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	Rock crevices
<i>C. yinnietharra</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Rock crevices
<i>Dendragama boulengeri</i>	0	0	1	1	1	1	1	0	1	0	0	0	0	Tree trunks/shrubs

Electronic Appendix Continued.

Species	Rostral appendage		Supra-ocular spines/ridges		Nape crest/spines		Gular sac		Dorsal crest/spines		Tail crest/spines		Enlarged cheeks	Shelter type*
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Diporiphora albilabris</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>D. australis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>D. bennetti</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Ground vegetation
<i>D. bilineata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>D. convergens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>D. lalliae</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Ground vegetation
<i>D. linga</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>D. magna</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>D. pindan</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>D. reginae</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>D. superba</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>D. valens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>D. winneckei</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>Draco bimauculatus</i>	0	0	0	0	1	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. blanfordi</i>	0	0	0	0	1	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. cristatellus</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. cyanopterus</i>	0	0	1	1	1	1	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. dussumieri</i>	0	0	0	0	0	0	1	1	0	0	1	0	0	Tree trunks/shrubs
<i>D. fimbriatus</i>	0	0	0	0	1	1	1	1	0	0	1	0	0	Tree trunks/shrubs
<i>D. haematopogon</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. lineatus</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. maculatus</i>	0	0	0	0	1	1	1	1	0	0	1	0	0	Tree trunks/shrubs
<i>D. maximus</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. melanopogon</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. mindanensis</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. obscurus</i>	0	0	0	0	1	0	1	1	0	0	1	0	0	Tree trunks/shrubs
<i>D. quinquefasciatus</i>	0	0	0	0	1	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. spilopterus</i>	0	0	0	0	1	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. taeniopterus</i>	0	0	0	0	1	0	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>D. volans</i>	0	0	0	0	1	1	1	1	0	0	0	0	0	Tree trunks/shrubs

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	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Gonocephalus belli</i>	0	0	1	1	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>G. borneensis</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>G. chameleontinus</i>	0	0	1	1	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>G. doriae</i>	0	0	1	1	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>G. grandis</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>G. kuhli</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>G. lacunosus</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Burrows/sand-shimmying
<i>G. lepidogaster</i>	0	0	1	1	1	1	0	0	1	1	0	0	0	nd
<i>G. liogaster</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>G. megalepis</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	nd
<i>G. robinsonii</i>	0	0	0	0	1	1	1	1	1	1	1	1	0	Tree trunks/shrubs
<i>G. semperi</i>	0	0	0	0	1	1	1	1	1	1	0	0	1	Tree trunks/shrubs
<i>Harpesaurus beccari</i>	1	1	0	0	1	1	0	0	1	1	1	1	0	Tree trunks/shrubs
<i>H. boorneensis</i>	1	0	0	0	1	1	0	0	1	1	0	0	0	Tree trunks/shrubs
<i>H. modigliani</i>	1	0	0	0	1	1	1	1	1	1	1	1	0	Tree trunks/shrubs
<i>H. thescelorhinos</i>	1	0	0	0	1	1	1	1	1	1	1	0	0	nd
<i>H. tricinctus</i>	1	0	0	0	1	1	0	0	1	1	1	1	0	Tree trunks/shrubs
<i>Hydrosaurus amboniensis</i>	0	0	0	0	1	1	0	0	1	1	1	1	0	Other
<i>H. pustulatus</i>	1	1	0	0	1	1	0	0	1	1	1	1	0	Other
<i>H. weberi</i>	1	1	0	0	1	1	0	0	1	1	1	1	0	Other
<i>Hypsilurus auritus</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	Tree trunks/shrubs
<i>H. binotatus</i>	0	0	0	0	1	1	0	0	1	1	1	1	0	Tree trunks/shrubs
<i>H. boydii</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs
<i>H. dilophus</i>	0	0	0	0	1	1	1	1	1	1	1	1	1	Tree trunks/shrubs
<i>H. godeffroyi</i>	0	0	0	0	1	1	0	1	1	1	1	1	1	Tree trunks/shrubs
<i>H. modestus</i>	0	0	0	0	1	1	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>H. nigrigularis</i>	0	0	0	0	1	1	1	1	1	1	1	0	1	Tree trunks/shrubs
<i>H. spinipes</i>	0	0	0	0	1	1	1	1	1	1	0	0	0	Tree trunks/shrubs

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	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Japalura fasciatus</i>	0	0	0	0	1	1	1	1	0	0	0	0	1	nd
<i>J. flaviceps</i>	0	0	0	0	1	1	1	1	1	0	0	0	0	nd
<i>J. polygonata</i>	0	0	0	0	1	1	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>J. splendida</i>	0	0	0	0	1	1	0	0	0	0	0	0	1	nd
<i>J. swinhonis</i>	0	0	0	0	1	1	1	1	1	1	0	0	1	Tree trunks/shrubs
<i>J. tricarinata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Tree trunks/shrubs
<i>J. variegata</i>	0	0	0	0	1	1	1	0	0	0	0	0	0	nd
<i>Laudakia caucasica</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	Rock crevices
<i>L. erythrogaster</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>L. himalayana</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	nd
<i>L. lehmani</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>L. nupta</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	Rock crevices
<i>L. sacra</i>	0	0	0	0	1	1	1	1	0	0	0	0	0	Rock crevices
<i>L. stellio</i>	0	0	0	0	1	1	0	0	0	0	1	1	0	Rock crevices
<i>L. stoliczkana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>L. tuberculata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>Leiolepis belliana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>L. reevesi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>Lophocalotes ludekingi</i>	0	0	0	0	1	1	0	0	1	1	0	0	1	Tree trunks/shrubs
<i>Lophognathus gilberti</i>	0	0	0	0	1	1	0	0	0	0	0	0	1	Tree trunks/shrubs
<i>L. longirostris</i>	0	0	0	0	1	1	0	0	0	0	0	0	1	Tree trunks/shrubs
<i>L. maculilabris</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	nd
<i>L. temporalis</i>	0	0	0	0	1	1	0	0	1	1	0	0	1	Tree trunks/shrubs
<i>Lyriocephalus scutatus</i>	1	1	1	1	1	1	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>Mictopholis austeniana</i>	0	0	0	0	1	1	0	0	1	0	0	0	0	Tree trunks/shrubs
<i>Moloch horridus</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	Ground vegetation
<i>Oriocalotes paulus</i>	0	0	0	0	1	1	0	0	1	1	0	0	0	nd
<i>Otocryptis beddomii</i>	0	0	0	0	1	0	1	1	0	0	0	0	0	Ground vegetation
<i>O. wiegamanni</i>	0	0	0	0	1	0	1	0	0	0	0	0	0	Tree trunks/shrubs
<i>Phoxophrys cephalum</i>	0	0	0	0	1	1	0	0	0	0	1	0	0	Tree trunks/shrubs
<i>P. nigrilabris</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	Tree trunks/shrubs

Electronic Appendix Continued.

Species	Rostral appendage		Supra-ocular spines/ridges		Nape crest/spines		Gular sac		Dorsal crest/spines		Tail crest/spines		Enlarged cheeks	Shelter type*
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Phrynocephalus arabicus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. axillaris</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. clarkorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. forsythi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. frontalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. guttatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. helioscopus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. hongyuanensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. interscapularis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. lutteoguttatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. mystaceus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. ornatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. przewalskii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. raddei</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. reticulatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. roborowskii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. scutellatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. strauchi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. theobaldi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. versicolor</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Burrows/sand-shimmying
<i>P. vlangalii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>P. zetanensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>Physignathus cocincinus</i>	0	0	0	0	1	1	0	0	1	1	1	1	1	Tree trunks/shrubs
<i>P. leseuri</i>	0	0	0	0	1	1	0	0	1	1	1	1	1	Other

Electronic Appendix Continued.

Species	Rostral appendage		Supra-ocular spines/ridges		Nape crest/spines		Gular sac		Dorsal crest/spines		Tail crest/spines		Enlarged cheeks	Shelter type*
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Pogona barbata</i>	0	0	0	0	0	0	1	1	0	0	0	0	1	Ground vegetation
<i>P. microlepidota</i>	0	0	0	0	0	0	1	1	0	0	0	0	1	Ground vegetation
<i>P. minima</i>	0	0	0	0	0	0	1	1	0	0	0	0	1	Ground vegetation
<i>P. minor</i>	0	0	0	0	0	0	1	1	0	0	0	0	1	Ground vegetation
<i>P. mitchelli</i>	0	0	0	0	0	0	1	1	0	0	0	0	1	Ground vegetation
<i>P. nullabor</i>	0	0	0	0	0	0	1	1	0	0	0	0	1	Ground vegetation
<i>P. vitticeps</i>	0	0	0	0	0	0	1	1	0	0	0	0	1	Ground vegetation
<i>Psammophilus blanfordanus</i>	0	0	0	0	1	1	0	0	0	0	0	0	1	Rock crevices
<i>P. dorsalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	Rock crevices
<i>Pseudocalotes microlepis</i>	0	0	0	0	1	1	1	1	1	1	0	0	1	Tree trunks/shrubs
<i>P. tympanistriga</i>	0	0	0	0	1	1	1	1	0	0	0	0	0	Tree trunks/shrubs
<i>Pseudotrapelus sinaitus</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	Burrows/sand-shimmying
<i>Ptyctolaemus gularis</i>	0	0	0	0	1	1	1	1	1	1	0	0	1	nd
<i>P. phuwanensis</i>	0	0	0	0	1	1	1	1	1	1	0	0	1	Rock crevices
<i>Salea anamallayana</i>	0	0	0	0	1	1	1	1	1	1	1	1	1	nd
<i>S. horsefieldi</i>	0	0	0	0	1	1	1	1	1	0	0	0	1	Tree trunks/shrubs
<i>S. kakhienensis</i>	0	0	0	0	1	1	1	1	1	0	0	0	1	Tree trunks/shrubs
<i>Sitana ponticeriana</i>	0	0	0	0	1	0	1	0	0	0	0	0	0	Burrows/sand-shimmying, ground vegetation
<i>Trapelus agilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Rock crevices, ground vegetation
<i>T. blanfordi</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	nd
<i>T. flavimaculatus</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	nd
<i>T. mutabilis</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	nd
<i>T. pallidus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>T. persicus</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	Ground vegetation
<i>T. ruderatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>T. sanguinolentus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>T. savignii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>T. tournevillei</i>	0	0	0	0	0	0	1	1	0	0	0	0	0	nd

Electronic Appendix Continued.

Species	Rostral appendage		Supra-ocular spines/ridges		Nape crest/spines		Gular sac		Dorsal crest/spines		Tail crest/spines		Enlarged cheeks	Shelter type*
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male only	
<i>Tympanocryptis adelaidensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>T. cephalus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>T. diemensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>T. intima</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>T. lineata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>T. parviceps</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	nd
<i>T. tetraporphora</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	Ground vegetation
<i>Uromastyx acanthinurus</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	Burrows/sand-shimmying
<i>U. aegyptia</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	Burrows/sand-shimmying
<i>U. hardwicki</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	Burrows/sand-shimmying
<i>U. maliensis</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	nd
<i>U. ocellata</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	nd
<i>U. principes</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	nd
<i>U. thomasi</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	Burrows/sand-shimmying
<i>Xenagama batillifera</i>	0	0	0	0	0	0	0	0	0	0	1	1	0	nd

*See Stuart-Fox & Owens 2003 for literature reviewed; nd = no data; 'other' = riparian species that typically dive into nearby water to escape predators.