

Additional file 2. List of identifiers and classifiers for all squamate species used in the study. Species are classified by group and species names.

R			
G	S	e	F
r	p	f	a
o	e	e	m
u	c	r	i
p	i	e	l
s	e	n	i
	s	c	e
		e	s
		s	
Lizard	<i>Aeluroscalabotes felinus</i>	This work	Eublepharidae
Lizard	<i>Agama hispida</i>	Da Silva et al. 2018	Agamidae
Lizard	<i>Anniella pulchra</i>	Digimorph	Anniellidae
Lizard	<i>Anolis carolinensis</i>	This work	Dactyloidae
Lizard	<i>Anolis sagrei</i>	Da Silva et al. 2018	Dactyloidae
Lizard	<i>Anops kingii</i>	Digimorph	Amphisbaenidae
Lizard	<i>Aspidoscelis tigris</i>	Digimorph	Teiidae
Lizard	<i>Basiliscus basiliscus</i>	Digimorph	Corytophanidae
Lizard	<i>Bipes biporus</i>	Digimorph	Bipedidae
Lizard	<i>Brachylophus fasciatus</i>	Digimorph	Iguanidae
Lizard	<i>Brachymeles gracilis</i>	Digimorph	Scincidae
Lizard	<i>Brookesia brygooi</i>	Digimorph	Chamaeleonidae
Lizard	<i>Callopiastes maculatus</i>	Digimorph	Teiidae
Lizard	<i>Celestus enneagrammus</i>	Digimorph	Anguidea
Lizard	<i>Chalarodon madagascariensis</i>	Digimorph	Ophuridae
Lizard	<i>Chamaesaura anguina</i>	This work	Cordylidae
Lizard	<i>Cordylus cordylus</i>	This work	Cordylidae
Lizard	<i>Crotaphytus collaris</i>	Digimorph	Crotaphytidae
Lizard	<i>Ctenosaura quiquecarinata</i>	This work	Iguanidae
Lizard	<i>Dibamus novaeguineae</i>	Da Silva et al. 2018	Dibamidae
Lizard	<i>Diplometopon zarudnyi</i>	Digimorph	Trogonophiidae
Lizard	<i>Egarnia whittii</i>	This work	Scincidae
Lizard	<i>Enyalioides laticeps</i>	Digimorph	Hoplocercidae
Lizard	<i>Eulamprus quoyii</i>	Da Silva et al. 2018	Scincidae
Lizard	<i>Gambelia wislizenii</i>	Digimorph	Crotaphytidae
Lizard	<i>Gekko gekko</i>	This work	Gekkonidae
Lizard	<i>Gerrhonotus infernalis</i>	Da Silva et al. 2018	Anguidae
Lizard	<i>Gerrhosaurus skoogi</i>	Digimorph	Gerrhosauridae
Lizard	<i>Gonatodes albogularis</i>	Digimorph	Sphaerodactylidae
Lizard	<i>Heloderma suspectum</i>	Digimorph	Helodermatidae
Lizard	<i>Iguana iguana</i>	This work	Iguanidae
Lizard	<i>Kentropyx altamazonica</i>	Da Silva et al. 2018	Teiidae
Lizard	<i>Lanthanotus borneensis</i>	Digimorph	Lanthanotidae
Lizard	<i>Leiocephalus barahonensis</i>	Digimorph	Leiocephalidae
Lizard	<i>Leiocephalus schreibersii</i>	This work	Leiocephalidae
Lizard	<i>Lepidophyma smithii</i>	Digimorph	Xantusiidae
Lizard	<i>Leposternon microcephalum</i>	Digimorph	Amphisbaenidae
Lizard	<i>Lialis burtonis</i>	Digimorph	Pygopodidae

Lizard	<i>Pholidobolus montium</i>	Digimorph	Gymnophthalmidae
Lizard	<i>Phymaturus palluma</i>	Digimorph	Liolaemidae
Lizard	<i>Pogona barbata</i>	Da Silva et al. 2018	Agamidae
Lizard	<i>Pogona vitticeps</i>	This work	Agamidae
Lizard	<i>Pristidactylus torquatus</i>	Digimorph	Leiosauridae
Lizard	<i>Rhineura floridana</i>	Digimorph	Rhineuridae
Lizard	<i>Shinisaurus crocodilurus</i>	Digimorph	Shinisauridae
Lizard	<i>Takydromus sexlineatus</i>	This work	Lacertidae
Lizard	<i>Tarentola mauritanica</i>	Da Silva et al. 2018	Phyllodactylidae
Lizard	<i>Teius teyou</i>	This work	Teiidae
Lizard	<i>Tiliqua scincoides</i>	Da Silva et al. 2018	Scincidae
Lizard	<i>Trogonophis wiegmanni</i>	Digimorph	Trogonophiidae
Lizard	<i>Tupinambis teguixin</i>	Digimorph	Teiidae
Lizard	<i>Uma scoparia</i>	Digimorph	Phrynosomatidae
Lizard	<i>Uranoscodon superciliosus</i>	Digimorph	Tropiduridae
Lizard	<i>Uromastix hardwickii</i>	Digimorph	Agamidae
Lizard	<i>Uta stansburiana</i>	Digimorph	Phrynosomatidae
Lizard	<i>Varanus acanthurus</i>	Digimorph	Varanidae
Lizard	<i>Xantusia riversiana</i>	Digimorph	Xantusiidae
Lizard	<i>Xenosaurus grandis</i>	Digimorph	Xenosauridae
Lizard	<i>Zootoca vivipara</i>	Da Silva et al. 2018	Lacertidae
Snake	<i>Acanthophis antarcticus</i>	Da Silva et al. 2018	Elapidae
Snake	<i>Acrochordus granulatus</i>	Da Silva et al. 2018	Acrochordidae
Snake	<i>Amblyodipsas unicolor</i>	Da Silva et al. 2018	Lamprophiidae
Snake	<i>Anomochilus leonardi</i>	Digimorph	Anomochilidae
Snake	<i>Aparallactus modestus</i>	Da Silva et al. 2018	Lamprophiidae
Snake	<i>Aplopeltura boa</i>	Da Silva et al. 2018	Pareatidae
Snake	<i>Arrhyton taeniatum</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Aspidites melanocephalus</i>	Digimorph	Pythonidae
Snake	<i>Atractaspis boulengeri</i>	Da Silva et al. 2018	Lamprophiidae
Snake	<i>Azemiops kharini</i>	Da Silva et al. 2018	Viperidae
Snake	<i>Bitis arietans</i>	Da Silva et al. 2018	Viperidae
Snake	<i>Boa constrictor</i>	Da Silva et al. 2018	Boidae
Snake	<i>Boaedon fuliginosus</i>	Da Silva et al. 2018	Lamprophiidae
Snake	<i>Bothrops jararacussu</i>	Da Silva et al. 2018	Viperidae
Snake	<i>Calabaria reinhardtii</i>	Digimorph	Boidae
Snake	<i>Candoia superciliosa</i>	Da Silva et al. 2018	Boidae
Snake	<i>Corallus hortulanus</i>	Da Silva et al. 2018	Boidae
Snake	<i>Casarea dussumieri</i>	Digimorph	Bolyeriidae
Snake	<i>Coronella austriaca</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Cylindrophis melanotus</i>	Da Silva et al. 2018	Cylindrophidae
Snake	<i>Daboia russelii</i>	Da Silva et al. 2018	Viperidae
Snake	<i>Dasypeltis scabra</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Duberria lutrix</i>	Da Silva et al. 2018	Lamprophiidae
Snake	<i>Eirenis decemlineatus</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Eirenis rothii</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Eryx jaculus</i>	Da Silva et al. 2018	Boidae
Snake	<i>Heterodon platirhinos</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Hydrophis gracilis</i>	This work	Elapidae
Snake	<i>Lampropeltis getula</i>	Digimorph	Colubridae
Snake	<i>Leptotyphlops dulcis</i>	Digimorph	Leptotyphlopidae

Snake	<i>Letheobia caeca</i>	This work	Typhlopidae
Snake	<i>Liotyphlops albirostris</i>	Digimorph	Anomalepididae
Snake	<i>Loxocemus bicolor</i>	Digimorph	Loxocemidae
Snake	<i>Lycodon aulicus</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Natrix natrix</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Nerodia sipedon</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Opisthotropis latouchii</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Pantherophis obsoletus</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Pareas carinatus</i>	Da Silva et al. 2018	Pareatidae
Snake	<i>Polemon gabonensis</i>	Da Silva et al. 2018	Lamprophiidae
Snake	<i>Prosymna ambigua</i>	Da Silva et al. 2018	Lamprophiidae
Snake	<i>Psammophis sibilans</i>	Da Silva et al. 2018	Lamprophiidae
Snake	<i>Pseudechis porphyriacus</i>	Da Silva et al. 2018	Elapidae
Snake	<i>Python bivittatus</i>	Da Silva et al. 2018	Pythonidae
Snake	<i>Python reticulatus</i>	This work	Pythonidae
Snake	<i>Scaphiodontophis annulatus</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Sibynophis collaris</i>	Da Silva et al. 2018	Colubridae
Snake	<i>Tropidophis haetianus</i>	Digimorph	Tropidophiidae
Snake	<i>Typhlops richardi</i>	Da Silva et al. 2018	Typhlopidae
Snake	<i>Ungaliophis continentalis</i>	Digimorph	Boidae
Snake	<i>Uropeltis continentalis</i>	Digimorph	Uropeltidae
Snake	<i>Xenopeltis unicolor</i>	Digimorph	Xenopeltidae
Tuatara	<i>Sphenodon punctatus</i>	Digimorph	Sphenodontidae