

**Supplementary Material to “Evolutionary patterns in squamate
mitogenomes: are selective regimes associated with fossoriality and
limblessness?”**

Table S1 – Database, including sampled species and associated information for genome size, presence in the phylogeny proposed by Title et al. (2024), inclusion or not in selection analyses, identification for the genome sequence accessed, classification concerning fossoriality and limblessness, family and squamate group.

Species	Genome size	Phylogeny	Selection analyses	GenBank accession number	Fossoriality	Limblessness	Family	Group
<i>Amphisbaena alba</i>	16800	present	USED		Fully-fossorial	limbless	Amphisbaenidae	amphisbaenian
<i>Amphisbaena schmidtii</i>	17423	present	USED	NC_006284.1	Fully-fossorial	limbless	Amphisbaenidae	amphisbaenian
<i>Bipes biporus</i>	16412	present	USED	NC_006287.1	Fully-fossorial	reduced	Bipedidae	amphisbaenian
<i>Bipes canaliculatus</i>	16200	present	USED	NC_006288.1	Fully-fossorial	reduced	Bipedidae	amphisbaenian
<i>Bipes tridactylus</i>	16222	present	USED	NC_006286.1	Fully-fossorial	reduced	Bipedidae	amphisbaenian
<i>Blanus cinereus</i>	16969	present	USED	NC_012433.1	Fully-fossorial	limbless	Blanidae	amphisbaenian
<i>Diplometopon zarudnyi</i>	16730	present	USED	NC_006283.1	Fully-fossorial	limbless	Trogonophidae	amphisbaenian
<i>Geocalamus acutus</i>	16659	present	USED	NC_006285.1	Fully-fossorial	limbless	Amphisbaenidae	amphisbaenian
<i>Rhineura floridana</i>	16988	present	USED	NC_006282.1	Fully-fossorial	limbless	Rhineuridae	amphisbaenian
<i>Tropidophis haetianus</i>	17138	present	USED	NC_012573.1	Non-fossorial	limbless	Tropidophiidae	snake
<i>Ablepharus himalayanus</i>	17304	present	not used	NC_058309.1	Non-fossorial	limbed	Scincidae	lizard
<i>Ablepharus sikimensis</i>		absent	not used	NC_087854.1	Non-fossorial	limbed	Scincidae	lizard
<i>Abronia graminea</i>	16016	present	USED	NC_005958.1	Non-fossorial	limbed	Anguidae	lizard
<i>Acanthodactylus aureus</i>	17021	present	not used	NC_059775.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Acanthodactylus boskianus</i>	17143	present	USED	NC_059772.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Acanthodactylus erythrurus</i>	16827	present	not used	NC_059773.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Acanthodactylus guineensis</i>	16963	present	not used	NC_059781.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Acanthodactylus schmidtii</i>	16943	present	not used	NC_059782.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Algyroides nigropunctatus</i>	15844	present	not used	NC_059780.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Amblyrhynchus cristatus</i>	16897	present	not used	NC_028031.1	Non-fossorial	limbed	Iguanidae	lizard
<i>Anguis cephalonica</i>	17208	present	USED	NC_030273.1	Non-fossorial	limbless	Anguidae	lizard
<i>Anguis colchica</i>	17097	present	not used	NC_048976.1	Non-fossorial	limbless	Anguidae	lizard
<i>Anguis fragilis</i>	17479	present	not used	NC_012431.1	Non-fossorial	limbless	Anguidae	lizard
<i>Anguis graeca</i>	19297	present	USED	NC_048977.1	Non-fossorial	limbless	Anguidae	lizard
<i>Anguis veronensis</i>	17322	present	USED	NC_048956.1	Non-fossorial	limbless	Anguidae	lizard
<i>Anolis punctatus</i>	17132	present	not used	NC_044125.1	Non-fossorial	limbed	Anolidae	lizard
<i>Aspidoscelis dixonii</i>		absent	not used	NC_067813.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis exsanguis</i>		absent	not used	NC_067817.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis gularis</i>	16507	present	not used	NC_067815.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis inornatus</i>	16419	present	not used	NC_067819.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis laredoensis</i>	16141	present	not used	NC_067823.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis marmoratus</i>	16543	present	not used	NC_067820.1	Non-fossorial	limbed	Teiidae	lizard

Species	Genome size	Phylogeny	Selection analyses	GenBank accession number	Fossoriality	Limbllessness	Family	Group
<i>Aspidoscelis neomexicanus</i>		absent	not used	NC_067818.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis neotesselatus</i>	16542	present	not used	NC_067814.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis scalaris</i>	16252	present	not used	NC_067821.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis sexlineatus</i>	16893	present	not used	NC_067824.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis tessellatus</i>	16693	present	not used	NC_067816.1	Non-fossorial	limbed	Teiidae	lizard
<i>Aspidoscelis velox</i>	16493	present	not used	NC_067822.1	Non-fossorial	limbed	Teiidae	lizard
<i>Ateuchosaurus chinensis</i>	16840	present	not used	NC_057221.1	Non-fossorial	limbed	Scincidae	lizard
<i>Australolacerta australis</i>	17019	present	not used	NC_059777.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Brookesia decaryi</i>	17324	present	not used	NC_014174.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Calotes mystaceus</i>	16506	present	not used	NC_053755.1	Non-fossorial	limbed	Agamidae	lizard
<i>Calotes versicolor</i>	16670	present	not used	NC_009683.1	Non-fossorial	limbed	Agamidae	lizard
<i>Chalarodon madagascariensis</i>	16851	present	not used	NC_012836.1	Non-fossorial	limbed	Opluridae	lizard
<i>Chamaeleo africanus</i>	17415	present	not used	NC_012422.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Chamaeleo arabicus</i>	17400	present	not used	NC_012445.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Chamaeleo calcaricarens</i>	17451	present	not used	NC_012452.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Chamaeleo calyptratus</i>	17433	present	not used	NC_012420.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Chamaeleo chamaeleon</i>	17470	present	not used	NC_012427.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Chamaeleo dilepis</i>	17875	present	not used	NC_012436.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Chamaeleo monachus</i>	18900	present	not used	NC_012443.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Chamaeleo zeylanicus</i>	18923	present	not used	NC_012444.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Chlamydosaurus kingii</i>	16761	present	not used	NC_009421.1	Non-fossorial	limbed	Agamidae	lizard
<i>Conolophus subcristatus</i>	16892	present	not used	NC_028030.1	Non-fossorial	limbed	Iguanidae	lizard
<i>Cyclura pinguis</i>	16631	present	not used	NC_027089.1	Non-fossorial	limbed	Iguanidae	lizard
<i>Darevskia armeniaca</i>	17521	present	not used	NC_046006.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia brauneri</i>	16976	present	not used	NC_050005.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia caucasica</i>	16343	present	not used	NC_049999.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia chlorogaster</i>	17479	present	not used	NC_050004.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia clarkorum</i>	16301	present	not used	NC_050002.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia daghestanica</i>	17189	present	not used	NC_050003.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia dahli</i>	17528	present	USED	NC_046007.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia derjugini</i>	16960	present	not used	NC_049998.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia mixta</i>	17532	present	not used	NC_046008.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia parvula</i>	17510	present	not used	NC_046009.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia portschinskii</i>	17529	present	not used	NC_046010.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia praticola</i>	16418	present	not used	NC_050000.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia raddei</i>	20478	present	not used	NC_050001.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia rudis</i>	17534	present	not used	NC_046011.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia saxicola</i>	17524	present	not used	NC_046012.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Darevskia valentini</i>	17393	present	not used	NC_045934.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Diploderma flaviceps</i>	17140	present	not used	NC_039541.1	Non-fossorial	limbed	Agamidae	lizard
<i>Diploderma micangshanense</i>		absent	not used	NC_056342.1	Non-fossorial	limbed	Agamidae	lizard
<i>Dopasia gracilis</i>	17788	present	USED	NC_030369.1	Non-fossorial	limbless	Anguidae	lizard
<i>Dopasia hainanensis</i>	17000	present	not used	NC_057268.1	Non-fossorial	limbless	Anguidae	lizard
<i>Dopasia harti</i>	17163	present	USED	NC_022700.1	Non-fossorial	limbless	Anguidae	lizard
<i>Dopasia sokolovi</i>	17137	present	USED	NC_071253.1	Non-fossorial	limbless	Anguidae	lizard
<i>Eremias brenchleyi</i>	19542	present	not used	NC_011764.1	Non-fossorial	limbed	Lacertidae	lizard

Species	Genome size	Phylogeny	Selection analyses	GenBank accession number	Fossoriality	Limbllessness	Family	Group
<i>Eremias dzungarica</i>		absent	not used	NC_056302.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eremias multiocellata</i>	19385	present	not used	NC_025304.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eremias nikolskii</i>	20840	present	not used	NC_060561.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eremias przewalskii</i>	18225	present	USED	NC_025929.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eremias scripta</i>	19824	present	not used	NC_064329.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eremias stummeri</i>	19602	present	not used	NC_029878.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eremias szczerbaki</i>	19650	present	not used	NC_062143.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eremias vermiculata</i>	19914	present	not used	NC_025320.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eremias yarkandensis</i>	18743	present	not used	NC_060637.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Eutropis multifasciata</i>	16994	present	not used	NC_063644.1	Non-fossorial	limbed	Scincidae	lizard
<i>Furcifer oustaleti</i>	18021	present	not used	NC_008777.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Gallotia atlantica</i>	15552	present	not used	NC_059771.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Gambelia wislizenii</i>	17563	present	not used	NC_012831.1	Non-fossorial	limbed	Crotaphytidae	lizard
<i>Gekko gecko</i>	16435	present	not used	NC_007627.1	Non-fossorial	limbed	Gekkonidae	lizard
<i>Heloderma suspectum</i>	17296	present	USED	NC_008776.1	Non-fossorial	limbed	Helodermatidae	lizard
<i>Holbrookia lacerata</i>	16846	present	not used	NC_041001.1	Non-fossorial	limbed	Phrynosomatidae	lizard
<i>Hydrosaurus amboinensis</i>	19682	present	not used	NC_014178.1	Non-fossorial	limbed	Agamidae	lizard
<i>Iguana delicatissima</i>	17397	present	not used	NC_044899.1	Non-fossorial	limbed	Iguanidae	lizard
<i>Iguana iguana</i>	16615	present	not used	NC_002793.1	Non-fossorial	limbed	Iguanidae	lizard
<i>Iphisa elegans</i>	16397	present	not used	NC_048879.1	Non-fossorial	limbed	Gymnophthalmidae	lizard
<i>Isopachys gyldenstolpei</i>	18622	present	USED	NC_041147.1	Fully-fossorial	limbless	Scincidae	lizard
<i>Kinyongia fischeri</i>	17210	present	not used	NC_012465.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Lacerta agilis</i>	18997	present	USED	NC_021766.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Lacerta bilineata</i>	17090	present	USED	NC_028440.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Lacerta viridis viridis</i>	17086	present	USED	NC_008328.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Laudakia tuberculata</i>	17015	present	not used	NC_087804.1	Non-fossorial	limbed	Agamidae	lizard
<i>Leiocephalus personatus</i>	16681	present	not used	NC_012834.1	Non-fossorial	limbed	Leiocephalidae	lizard
<i>Leiolepis guttata</i>	16552	present	not used	NC_014179.1	Non-fossorial	limbed	Agamidae	lizard
<i>Leiolepis reevesii</i>	16908	present	not used	NC_024179.1	Non-fossorial	limbed	Agamidae	lizard
<i>Lepidophyma flavimaculatum</i>	16158	present	not used	NC_008775.1	Non-fossorial	limbed	Xantusiidae	lizard
<i>Liolaemus darwini</i>	16974	present	not used	NC_057242.1	Non-fossorial	limbed	Liolaemidae	lizard
<i>Liolaemus millcayac</i>		absent	not used	NC_057243.1	Non-fossorial	limbed	Liolaemidae	lizard
<i>Liolaemus parthenos</i>		absent	not used	NC_057244.1	Non-fossorial	limbed	Liolaemidae	lizard
<i>Meroles squamulosus</i>	16860	present	not used	NC_059779.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Mesalina olivieri</i>	16899	present	not used	NC_059774.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Oplurus grandidieri</i>	17122	present	not used	NC_012827.1	Non-fossorial	limbed	Opluridae	lizard
<i>Pedioplanis laticeps</i>	17046	present	not used	NC_059778.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Phoenicolacerta kulzeri</i>	17199	present	not used	NC_011606.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Phrynocephalus albolineatus</i>		absent	not used	NC_029186.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus axillaris</i>	17937	present	not used	NC_020340.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus forsythii</i>	17542	present	not used	NC_026454.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus grumgrzimaloi</i>		absent	not used	NC_025640.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus guinanensis</i>		absent	not used	NC_024875.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus helioscopus</i>	16249	present	not used	NC_025639.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus helioscopus cameranoi</i>		absent	not used	NC_061391.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus helioscopus varius</i>		absent	not used	NC_061390.1	Non-fossorial	limbed	Agamidae	lizard

Species	Genome size	Phylogeny	Selection analyses	GenBank accession number	Fossoriality	Limblessness	Family	Group
<i>Phrynocephalus maculatus</i>	12631	present	not used	NC_057209.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus nasatus</i>		absent	not used	NC_057064.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus przewalskii</i>	16892	present	not used	NC_022719.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus putjatai</i>	16283	present	not used	NC_024612.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynocephalus versicolor</i>	16429	present	not used	NC_024654.1	Non-fossorial	limbed	Agamidae	lizard
<i>Phrynosoma blainvillii</i>	16946	present	not used	NC_036492.1	Non-fossorial	limbed	Phrynosomatidae	lizard
<i>Plestiodon capito</i>	17344	present	not used	NC_060292.1	Non-fossorial	limbed	Scincidae	lizard
<i>Plestiodon chinensis</i>	17175	present	not used	NC_029352.1	Non-fossorial	limbed	Scincidae	lizard
<i>Plestiodon egregius</i>	17407	present	USED	NC_000888.1	Semi-fossorial	limbed	Scincidae	lizard
<i>Plestiodon elegans</i>	17304	present	USED	NC_024576.1	Non-fossorial	limbed	Scincidae	lizard
<i>Plestiodon liui</i>		absent	not used	NC_070246.1	Non-fossorial	limbed	Scincidae	lizard
<i>Plestiodon tunganus</i>	17263	present	not used	NC_045232.1	Non-fossorial	limbed	Scincidae	lizard
<i>Podarcis muralis</i>	17311	present	USED	NC_011607.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Podarcis siculus</i>	17297	present	USED	NC_011609.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Pogona vitticeps</i>	16751	present	not used	NC_006922.1	Non-fossorial	limbed	Agamidae	lizard
<i>Polychrus marmoratus</i>	17743	present	not used	NC_012839.1	Non-fossorial	limbed	Polychrotidae	lizard
<i>Psammodromus algirus</i>	17118	present	not used	NC_059776.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Pseudocalotes microlepis</i>	17873	present	not used	NC_039453.1	Non-fossorial	limbed	Agamidae	lizard
<i>Pseudopus apodus</i>	16701	present	USED	NC_071252.1	Non-fossorial	limbless	Anguidae	lizard
<i>Pseudotrapelus sinaitus</i>	16560	present	not used	NC_013603.2	Non-fossorial	limbed	Agamidae	lizard
<i>Sceloporus occidentalis</i>	17072	present	not used	NC_005960.1	Non-fossorial	limbed	Phrynosomatidae	lizard
<i>Scincella huanrenensis</i>	17212	present	not used	NC_030779.1	Non-fossorial	limbed	Scincidae	lizard
<i>Scincella modesta</i>	17511	present	not used	NC_048521.1	Non-fossorial	limbed	Scincidae	lizard
<i>Scincella reevesii</i>	15424	present	not used	NC_054206.1	Non-fossorial	limbed	Scincidae	lizard
<i>Scincella vandenburghi</i>	17103	present	not used	NC_030776.1	Non-fossorial	limbed	Scincidae	lizard
<i>Shinisaurus crocodilurus</i>	16583	present	USED	NC_005959.1	Non-fossorial	limbed	Shinisauridae	lizard
<i>Smaug warreni</i>	17184	present	not used	NC_005962.1	Non-fossorial	limbed	Cordylidae	lizard
<i>Sphenomorphus incognitus</i>	17417	present	USED	NC_041124.1	Non-fossorial	limbed	Scincidae	lizard
<i>Sphenomorphus indicus</i>	17027	present	not used	NC_045408.1	Non-fossorial	limbed	Scincidae	lizard
<i>Takydromus amurensis</i>	17333	present	not used	NC_030209.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Takydromus intermedius</i>	17713	present	not used	NC_077637.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Takydromus sexlineatus</i>	18943	present	USED	NC_022703.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Takydromus sylvaticus</i>	17518	present	not used	NC_067055.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Takydromus wolteri</i>	18236	present	not used	NC_018777.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Trioceros melleri</i>	16832	present	not used	NC_014176.1	Non-fossorial	limbed	Chamaeleonidae	lizard
<i>Tropidophorus hainanus</i>	17001	present	not used	NC_066473.1	Non-fossorial	limbed	Scincidae	lizard
<i>Tropidophorus hangnam</i>		absent	not used	NC_050664.1	Non-fossorial	limbed	Scincidae	lizard
<i>Uromastix benti</i>	16380	present	not used	NC_014182.1	Non-fossorial	limbed	Agamidae	lizard
<i>Urosaurus nigricauda</i>	17298	present	not used	NC_026308.1	Non-fossorial	limbed	Phrynosomatidae	lizard
<i>Uta stansburiana</i>	16703	present	not used	NC_027261.1	Non-fossorial	limbed	Phrynosomatidae	lizard
<i>Varanus nebulosus</i>	18347	present	USED	NC_073506.1	Non-fossorial	limbed	Varanidae	lizard
<i>Varanus rudicollis</i>	17575	present	USED	NC_066236.1	Non-fossorial	limbed	Varanidae	lizard
<i>Varanus salvator</i>	17489	present	USED	NC_010974.1	Non-fossorial	limbed	Varanidae	lizard
<i>Xenagama taylori</i>	16220	present	not used	NC_008065.1	Non-fossorial	limbed	Agamidae	lizard
<i>Zootoca vivipara</i>	17046	present	not used	NC_026867.1	Non-fossorial	limbed	Lacertidae	lizard
<i>Achalinus meiguensis</i>	17239	present	USED	NC_011576.1	Fully-fossorial	limbless	Xenodermidae	snake

Species	Genome size	Phylogeny	Selection analyses	GenBank accession number	Fossoriality	Limbllessness	Family	Group
<i>Achalinus rufescens</i>	17339	present	USED	NC_032085.1	Fully-fossorial	limbless	Xenodermidae	snake
<i>Achalinus spinalis</i>	17165	present	USED	NC_032084.1	Fully-fossorial	limbless	Xenodermidae	snake
<i>Acrochordus granulatus</i>	17604	present	not used	NC_007400.1	Non-fossorial	limbless	Acrochordidae	snake
<i>Agkistrodon contortrix</i>	16269	present	not used	NC_035638.1	Non-fossorial	limbless	Viperidae	snake
<i>Agkistrodon piscivorus</i>	17213	present	not used	NC_009768.1	Non-fossorial	limbless	Viperidae	snake
<i>Aipysurus eydouxii</i>	17228	present	not used	NC_062614.1	Non-fossorial	limbless	Elapidae	snake
<i>Amerotyphlops reticulatus</i>	16681	present	USED	NC_010971.1	Fully-fossorial	limbless	Typhlopidae	snake
<i>Anilius scytale</i>	17713	present	USED	NC_014343.1	Fully-fossorial	limbless	Aniliidae	snake
<i>Azemiceps feae</i>	17383	present	not used	NC_030781.1	Non-fossorial	limbless	Viperidae	snake
<i>Basiliscus vittatus</i>	16948	present	not used	NC_012829.1	Non-fossorial	limbed	Corytophanidae	snake
<i>Boa constrictor</i>	18905	present	not used	NC_007398.1	Non-fossorial	limbless	Boidae	snake
<i>Boiga kraepelini</i>	17124	present	not used	NC_070009.1	Non-fossorial	limbless	Colubridae	snake
<i>Bothrops diporus</i>	17642	present	not used	NC_039649.1	Non-fossorial	limbless	Viperidae	snake
<i>Bothrops jararaca</i>	17526	present	not used	NC_030760.1	Non-fossorial	limbless	Viperidae	snake
<i>Bothrops pubescens</i>	17694	present	not used	NC_039648.1	Non-fossorial	limbless	Viperidae	snake
<i>Bungarus fasciatus</i>	17234	present	not used	NC_011393.1	Non-fossorial	limbless	Elapidae	snake
<i>Bungarus multicinctus</i>	17139	present	not used	NC_084338.1	Non-fossorial	limbless	Elapidae	snake
<i>Calamaria septentrionalis</i>	17053	present	USED	NC_062677.1	Fully-fossorial	limbless	Colubridae	snake
<i>Causus defilippii</i>	17342	present	not used	NC_013479.1	Non-fossorial	limbless	Viperidae	snake
<i>Chilabothrus argenteum</i>	17345	present	not used	NC_063114.1	Non-fossorial	limbless	Boidae	snake
<i>Coluber constrictor</i>	17142	present	not used	NC_071936.1	Non-fossorial	limbless	Colubridae	snake
<i>Crotalus adamanteus</i>	17242	present	not used	NC_041524.1	Non-fossorial	limbless	Viperidae	snake
<i>Cylindrophis ruffus</i>	17499	present	USED	NC_007401.1	Fully-fossorial	limbless	Cylindrophidae	snake
<i>Daboia russelii</i>	17246	present	not used	NC_011391.1	Non-fossorial	limbless	Viperidae	snake
<i>Deinagkistrodon acutus</i>	17548	present	not used	NC_010223.1	Non-fossorial	limbless	Viperidae	snake
<i>Dryophis rubescens</i>	17194	present	not used	NC_068689.1	Non-fossorial	limbless	Colubridae	snake
<i>Echis carinatus</i>	16365	present	not used	NC_060591.1	Non-fossorial	limbless	Viperidae	snake
<i>Echis coloratus</i>	16389	present	not used	NC_060592.1	Non-fossorial	limbless	Viperidae	snake
<i>Echis omanensis</i>	16372	present	not used	NC_063589.1	Non-fossorial	limbless	Viperidae	snake
<i>Elaphe anomala</i>	17164	present	not used	NC_027001.1	Non-fossorial	limbless	Colubridae	snake
<i>Elaphe bimaculata</i>	17183	present	not used	NC_024743.1	Non-fossorial	limbless	Colubridae	snake
<i>Elaphe davidi</i>	17117	present	not used	NC_025643.1	Non-fossorial	limbless	Colubridae	snake
<i>Elaphe dione</i>	17172	present	not used	NC_041068.1	Non-fossorial	limbless	Colubridae	snake
<i>Elaphe druzei</i>		absent	not used	NC_073568.1	Non-fossorial	limbless	Colubridae	snake
<i>Elaphe moellendorffi</i>	17191	present	not used	NC_063502.1	Non-fossorial	limbless	Colubridae	snake
<i>Elaphe schrenckii</i>	17165	present	not used	NC_027605.1	Non-fossorial	limbless	Colubridae	snake
<i>Elaphe taeniura</i>	17183	present	not used	NC_025275.1	Non-fossorial	limbless	Colubridae	snake
<i>Elaphe urartica</i>		absent	not used	NC_073569.1	Non-fossorial	limbless	Colubridae	snake
<i>Emydocephalus ijimae</i>	20598	present	not used	NC_066234.1	Non-fossorial	limbless	Elapidae	snake
<i>Epicrates crassus</i>	17379	present	not used	NC_083268.1	Non-fossorial	limbless	Boidae	snake
<i>Euprepiophis perlaceus</i>	17160	present	not used	NC_024546.1	Non-fossorial	limbless	Colubridae	snake
<i>Fowlea piscator</i>	16999	present	not used	NC_061951.1	Non-fossorial	limbless	Colubridae	snake
<i>Gloydus brevicauda</i>	17227	present	not used	NC_011390.1	Non-fossorial	limbless	Viperidae	snake
<i>Gloydus himalayanus</i>		absent	not used	NC_068353.1	Non-fossorial	limbless	Viperidae	snake
<i>Gloydus rubromaculatus</i>		absent	not used	NC_064056.1	Non-fossorial	limbless	Viperidae	snake
<i>Gloydus shedaoensis</i>	17218	present	not used	NC_029424.1	Non-fossorial	limbless	Viperidae	snake

Species	Genome size	Phylogeny	Selection analyses	GenBank accession number	Fossoriality	Limbllessness	Family	Group
<i>Gloydus strauchi</i>	17222	present	not used	NC_036234.1	Non-fossorial	limbless	Viperidae	snake
<i>Gloydus ussuriensis</i>	17224	present	not used	NC_026553.1	Non-fossorial	limbless	Viperidae	snake
<i>Gonyosoma frenatum</i>	17208	present	not used	NC_057467.1	Non-fossorial	limbless	Colubridae	snake
<i>Hebius craspedogaster</i>	17209	present	not used	NC_070008.1	Non-fossorial	limbless	Colubridae	snake
<i>Hebius metusia</i>	17120	present	not used	NC_072535.1	Non-fossorial	limbless	Colubridae	snake
<i>Hydrophis curtus</i>	16705	present	not used	NC_046794.1	Non-fossorial	limbless	Elapidae	snake
<i>Hydrophis cyanocinctus</i>	17702	present	not used	NC_046795.1	Non-fossorial	limbless	Elapidae	snake
<i>Hydrophis melanocephalus</i>	17750	present	not used	NC_066232.1	Non-fossorial	limbless	Elapidae	snake
<i>Hydrophis ornatus</i>	26316	present	not used	NC_066233.1	Non-fossorial	limbless	Elapidae	snake
<i>Hypsiglena chlorophaea chlorophaea</i>		absent	not used	NC_013977.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena chlorophaea deserticola</i>		absent	not used	NC_013989.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena jani texana</i>		absent	not used	NC_013975.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena ochrorhyncha klauberi</i>		absent	not used	NC_013984.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena ochrorhyncha nuchalata</i>		absent	not used	NC_013983.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena ochrorhyncha ochrorhyncha</i>		absent	not used	NC_013980.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena slevini</i>	16129	present	not used	NC_013987.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena sp. DGM-2008</i>		absent	not used	NC_013982.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena torquata</i>	17197	present	not used	NC_013992.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglena unaocularis</i>		absent	not used	NC_024164.1	Non-fossorial	limbless	Colubridae	snake
<i>Hypsiglossus plumbea</i>	17203	present	not used	NC_010200.1	Non-fossorial	limbless	Homalopsidae	snake
<i>Imantodes cenchoa</i>	16633	present	not used	NC_013988.1	Non-fossorial	limbless	Colubridae	snake
<i>Indotyphlops braminus</i>	22144	present	USED	NC_010196.1	Fully-fossorial	limbless	Typhlopidae	snake
<i>Lachesis muta</i>	17177	present	not used	NC_081003.1	Non-fossorial	limbless	Viperidae	snake
<i>Laticauda colubrina</i>	17450	present	not used	NC_036054.1	Non-fossorial	limbless	Elapidae	snake
<i>Laticauda laticaudata</i>	17209	present	not used	NC_036053.1	Non-fossorial	limbless	Elapidae	snake
<i>Laticauda semifasciata</i>	17170	present	not used	NC_036055.1	Non-fossorial	limbless	Elapidae	snake
<i>Leptodeira polysticta</i>	23038	present	not used	NC_013990.1	Non-fossorial	limbless	Colubridae	snake
<i>Lycodon flavozonatus</i>	17172	present	not used	NC_028730.1	Non-fossorial	limbless	Colubridae	snake
<i>Lycodon rufozonatus</i>	17188	present	not used	NC_024559.1	Non-fossorial	limbless	Colubridae	snake
<i>Lycodon ruhstrati</i>	17168	present	not used	NC_046046.1	Non-fossorial	limbless	Colubridae	snake
<i>Lycodon semicarinatus</i>	17191	present	not used	NC_001945.1	Non-fossorial	limbless	Colubridae	snake
<i>Macrovipera schweizeri</i>	17152	present	not used	NC_044966.1	Non-fossorial	limbless	Viperidae	snake
<i>Malayopython reticulatus</i>	17641	present	USED	NC_042397.1	Non-fossorial	limbless	Pythonidae	snake
<i>Micrurus fulvius</i>	17506	present	USED	NC_013481.1	Fully-fossorial	limbless	Elapidae	snake
<i>Myanophis thanlyinensis</i>		absent	not used	NC_060375.1	Non-fossorial	limbless	Homalopsidae	snake
<i>Myrophis chinensis</i>	17302	present	not used	NC_072633.1	Non-fossorial	limbless	Homalopsidae	snake
<i>Naja atra</i>	17216	present	not used	NC_011389.1	Non-fossorial	limbless	Elapidae	snake
<i>Naja naja</i>	17213	present	not used	NC_010225.1	Non-fossorial	limbless	Elapidae	snake
<i>Nerodia sipedon</i>	17706	present	not used	NC_015793.1	Non-fossorial	limbless	Colubridae	snake
<i>Oligodon chinensis</i>	17146	present	USED	NC_052835.1	Non-fossorial	limbless	Colubridae	snake
<i>Oocatochus rufodorsatus</i>	17159	present	not used	NC_022146.1	Non-fossorial	limbless	Colubridae	snake
<i>Ophiophagus hannah</i>	17267	present	not used	NC_011394.1	Non-fossorial	limbless	Elapidae	snake
<i>Opisthotropis guangxiensis</i>	17042	present	not used	NC_056274.1	Non-fossorial	limbless	Colubridae	snake
<i>Opisthotropis latouchii</i>	17051	present	not used	NC_046823.1	Non-fossorial	limbless	Colubridae	snake
<i>Oreocryptophis porphyraceus</i>	17167	present	not used	NC_012770.1	Non-fossorial	limbless	Colubridae	snake
<i>Orientocoluber spinalis</i>	17196	present	not used	NC_049067.1	Non-fossorial	limbless	Colubridae	snake

Species	Genome size	Phylogeny	Selection analyses	GenBank accession number	Fossoriality	Limblessness	Family	Group
<i>Ovophis okinavensis</i>	17388	present	not used	NC_007397.1	Non-fossorial	limbless	Viperidae	snake
<i>Pantherophis slowinskii</i>	17189	present	not used	NC_009769.1	Non-fossorial	limbless	Colubridae	snake
<i>Pareas boulengeri</i>	18190	present	USED	NC_050894.1	Non-fossorial	limbless	Pareidae	snake
<i>Pareas formosensis</i>	17703	present	USED	NC_058002.1	Non-fossorial	limbless	Pareidae	snake
<i>Pareas stanleyi</i>	17372	present	USED	NC_057676.1	Non-fossorial	limbless	Pareidae	snake
<i>Plagiopholis styani</i>	19669	present	not used	NC_060420.1	Non-fossorial	limbless	Colubridae	snake
<i>Protobothrops cornutus</i>	17219	present	not used	NC_022695.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops dabieshanensis</i>	17193	present	not used	NC_022473.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops flavoviridis</i>	17232	present	not used	NC_030181.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops himalayanus</i>	17389	present	not used	NC_029165.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops jerdonii</i>	17239	present	not used	NC_021402.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops kaulbacki</i>	17237	present	not used	NC_029166.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops mangshanensis</i>	17230	present	not used	NC_026052.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops maolanensis</i>	17228	present	not used	NC_026051.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops mucrosquamatus</i>	17234	present	not used	NC_021412.1	Non-fossorial	limbless	Viperidae	snake
<i>Protobothrops tokarensis</i>	17233	present	not used	NC_030182.1	Non-fossorial	limbless	Viperidae	snake
<i>Psammophis lineolatus</i>	17166	present	not used	NC_061027.1	Non-fossorial	limbless	Psammophiidae	snake
<i>Pseudagkistrodon rudis</i>	19153	present	not used	NC_056928.1	Non-fossorial	limbless	Colubridae	snake
<i>Pseudoleptodeira latifasciata</i>	18329	present	not used	NC_013981.1	Non-fossorial	limbless	Colubridae	snake
<i>Pseudoxenodon stejnegeri</i>	18475	present	not used	NC_053908.1	Non-fossorial	limbless	Colubridae	snake
<i>Ptyas dhumnades</i>	17164	present	not used	NC_028049.1	Non-fossorial	limbless	Colubridae	snake
<i>Ptyas korros</i>	17169	present	not used	NC_070409.1	Non-fossorial	limbless	Colubridae	snake
<i>Ptyas major</i>	17217	present	not used	NC_028048.1	Non-fossorial	limbless	Colubridae	snake
<i>Ptyas mucosa</i>	17151	present	not used	NC_030041.1	Non-fossorial	limbless	Colubridae	snake
<i>Python bivittatus</i>	17617	present	USED	NC_021479.1	Non-fossorial	limbless	Pythonidae	snake
<i>Python molurus molurus</i>		absent	not used	NC_015812.1	Non-fossorial	limbless	Pythonidae	snake
<i>Python regius</i>	17245	present	not used	NC_007399.1	Non-fossorial	limbless	Pythonidae	snake
<i>Rena humilis</i>	16218	present	USED	NC_005961.1	Fully-fossorial	limbless	Leptotyphlopidae	snake
<i>Rhabdophis tigrinus</i>	17415	present	not used	NC_030210.1	Non-fossorial	limbless	Colubridae	snake
<i>Sibon nebulatus</i>	22887	present	not used	NC_013985.1	Non-fossorial	limbless	Colubridae	snake
<i>Sibynophis chinensis</i>	17163	present	not used	NC_022430.1	Non-fossorial	limbless	Colubridae	snake
<i>Sibynophis collaris</i>	17163	present	not used	NC_016424.1	Non-fossorial	limbless	Colubridae	snake
<i>Sinomicrurus japonicus</i>	21581	present	USED	NC_066235.1	Non-fossorial	limbless	Elapidae	snake
<i>Sinomicrurus macclellandi</i>	17120	present	not used	NC_054255.1	Non-fossorial	limbless	Elapidae	snake
<i>Sistrurus catenatus</i>	17245	present	not used	NC_071935.1	Non-fossorial	limbless	Viperidae	snake
<i>Stichophanes ningshaanensis</i>	17292	present	not used	NC_026083.1	Semi-fossorial	limbless	Colubridae	snake
<i>Thermophis baileyi</i>	17355	present	not used	NC_035713.1	Non-fossorial	limbless	Colubridae	snake
<i>Thermophis shangrila</i>		absent	not used	NC_035058.1	Non-fossorial	limbless	Colubridae	snake
<i>Thermophis zhaoermii</i>	17322	present	not used	NC_012816.1	Non-fossorial	limbless	Colubridae	snake
<i>Trimeresurus albolabris</i>	17220	present	not used	NC_022820.1	Non-fossorial	limbless	Viperidae	snake
<i>Trimeresurus sichuanensis</i>	17225	present	not used	NC_029494.1	Non-fossorial	limbless	Viperidae	snake
<i>Trimeresurus stejnegeri stejnegeri</i>		absent	not used	NC_012146.1	Non-fossorial	limbless	Viperidae	snake
<i>Trimerodytes annularis</i>		absent	not used	NC_063962.1	Non-fossorial	limbless	Colubridae	snake
<i>Vipera berus</i>	16370	present	not used	NC_036956.1	Non-fossorial	limbless	Viperidae	snake
<i>Xenopeltis unicolor</i>	18872	present	USED	NC_007402.1	Semi-fossorial	limbless	Xenopeltidae	snake
<i>Xerotyphlops vermicularis</i>	16568	present	USED	NC_044967.1	Fully-fossorial	limbless	Typhlopidae	snake

