

Table 1. Karyotype description and known sex chromosome systems in lizards with relative identification methods. st = standard karyotyping; ISWGS = in silico whole genome subtraction SC = Synaptenemal Complex; nd = not determined; * cryptic. Systematics and taxonomy follow The Reptile Database [1].

Superfamily/Family	Species	Karyotype	Sex chrom.	Method	References
Iguania					
Agamidae					
	<i>Calotes versicolor</i>	2n=34♂ -33♀	Z ₁ Z ₂ W	st	[2]
	<i>Ctenophorus fordi</i>	2n=32	ZW	Banding, FISH	[3]
	<i>Diporiphora nobbi</i>	2n=32	ZW	FISH	[4]
	<i>Pogona barbata</i>	2n=32	ZW	FISH	[4,5]
	<i>Pogona vitticeps</i>	2n=32	X ₁ X ₂ Y	FISHq	[4,5]
	<i>Sitana ponticeriana</i>	2n=46♂ -45♀	Z ₁ Z ₂ W	st	[2]
	<i>Tympanocryptis lineata</i>	2n=32	ZW*	FISH	[6]
	<i>Tympanocryptis pinguicolla</i>	2n=32	ZW	DArTseq	[7]
	<i>Uromastix ocellata</i>	2n=36	XY	st	[8].
	<i>Uromastix ornata</i>	2n=36	XY	st	[8]
Chamaeleonidae					
	<i>Bradypodion ventrale</i>	2n=34♂ -35♀	Z ₁ Z ₂ W	st	[9]
	<i>Chamaeleo calypttratus</i>	2n=22	XY	RADseq	[10]
	<i>Chamaeleo camaleon</i>	2n=22	XY	FISH, RADseq	[11]
	<i>Furcifer bifidus</i>	2n=23♀ -24♂	Z ₁ Z ₂ W	st, Banding, CGH	[12]
	<i>Furcifer lateralis</i>	2n=24	ZW	st, Banding, CGH	[12]
	<i>Furcifer oustaleti</i>	2n=22	ZW	st, Banding, FISH	[13]
	<i>Furcifer pardalis</i>	2n=22♂ -21♀	Z ₁ Z ₂ W	st, Banding, FISH	[13]
	<i>Furcifer verrucosus</i>	2n=22♂ -21♀	Z ₁ Z ₂ W	st, Banding, CGH	[12]
	<i>Furcifer wilsii</i>	2n=27♀ -28♂	Z ₁ Z ₂ W	st, Banding, CGH	[12]
	<i>Rhampholeon temporalis</i>	2n=22	ZW (putative)	Banding, FISH	[14]
	<i>Trioceros johnstoni</i>	2n=36	ZW (putative)	Banding, FISH	[14]
Corytophanidae					
	<i>Basiliscus plumifrons</i>	2n=36	XY	RADseq	[15,16]
	<i>Basiliscus vittatus</i>	2n=36	XY	RADseq, Chromoseq	[16,17]
	<i>Corytophanes cristatus</i>	2n=36	XY	RADseq	[16]
	<i>Corytophanes hernandesii</i>	2n=36	XY	Chromoseq	[17]
	<i>Laemantus longipes</i>	2n=36	XY	RADseq	[16]
	<i>Laemantus serratus</i>	2n=36	XY	RADseq	[16]
Crotaphytidae					
	<i>Crotaphytus collaris</i>	2n=36	XY	qPCR	[18]
	<i>Crotaphytus insularis</i>	nd	XY*	qPCR	[16]

Dactyloidae	<i>Anolis acutus</i>	2n=34	X ₁ X ₂ Y	st	[19]
	<i>Anolis allisoni</i>	2n=36	XY	painting	[20]
	<i>Anolis bartschi</i>	2n=30	XY	painting	[20]
	<i>Anolis bimaculatus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[21]
	<i>Anolis biporcatus (Norops biporcatus)</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[22]
	<i>Anolis brevirostris</i>	2n=33♂ -34♀	X ₁ X ₂ Y	st	[23]
	<i>Anolis carolinensis</i>	2n=36	XY	qPCR, painting, ChromoSeq	[20,24,25,26]
	<i>Anolis chlorocyanus</i>	2n=30	XY	qPCR	[27,28]
	<i>Anolis conspersus</i>	2n=30	XY	st	[29]
	<i>Anolis cooki</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[30]
	<i>Anolis cristatellus wileyae</i>	2n=28♀ -27♂	X ₁ X ₂ Y	st	[30]
	<i>Anolis cybotes</i>	2n=36	XY	painting	[20]
	<i>Anolis desechensis</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st	[23]
	<i>Anolis distichus</i>	2n=34♀ -33♂	X ₁ X ₂ Y	st, FISH	[19]
	<i>Anolis equestris</i>	2n=36	XY	painting	[22]
	<i>Anolis evermanni</i>	2n=26	XY	st	[19]
	<i>Anolis ferreus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[19]
	<i>Anolis gingivinus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[19]
	<i>Anolis grahami</i>	2n= 30	XY	FISH	[28]
	<i>Anolis gundlachi</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[30]
	<i>Anolis krugi</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[19]
	<i>Anolis leachii</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[19]
	<i>Anolis lineatopus (Norops lineatopus)</i>	2n= 30	XY	FISH	[28,31]
	<i>Anolis lividus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[19]
	<i>Anolis marmoratus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[19]
	<i>Anolis monensis</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[32]
	<i>Anolis nubilus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[32]
	<i>Anolis oculatus</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[33]
	<i>Anolis onca (Norops onca)</i>	2n=30	XY	st	[31]
	<i>Anolis pogus (Ctenonotus pogus)</i>	2n=29♂ -30♀	X ₁ X ₂ Y	Painting, Chromoseq	[20,34]
	<i>Anolis poncensis</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[19,9]
	<i>Anolis pulchellus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[30,9]
	<i>Anolis sabanus (Ctenonotus sabanus)</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st, painting, Chromosoeq	[19,9,20,34]
	<i>Anolis sagrei (Norops sagrei)</i>	2n=30	XY	st, painting	[35,9,20]

	<i>Anolis scriptus leucophaeus</i>	2n=28♀ -27♂	X ₁ X ₂ Y	st	[9,30]
	<i>Anolis stratulus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[9,19]
	<i>Anolis uniformis</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[36]
	<i>Anolis valencienni</i> (<i>Norops valencienni</i>)	2n=30	XY	painting	[20]
	<i>Anolis wattsi</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[19]
Hoplocercidae	no data				
Iguanidae	<i>Cyclura nubila</i>	nd	XY*	qPCR	[15]
	<i>Iguana iguana</i>	2n=36	XY	qPCR	[15,27]
Leiocephalidae	<i>Leiocephalus carinatus</i>	2n=34	XY	qPCR	[15,37]
Leiosauridae	no data available				
Liolaemidae	<i>Liolaemus lutzae</i>	2n=34	XY	st, Banding	[38]
	<i>Liolaemus occipitalis</i>	2n=34	XY	st, Banding	[38]
	<i>Liolaemus wiegmanni</i>	2n=34	XY	st, Banding	[38]
	<i>Phymaturus antofagastensis</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st	[39]
	<i>Phymaturus denotatus</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st, Banding	[40]
	<i>Phymaturus dorsimaculatus</i>	2n=35♂ -36♀	X ₁ X ₂ Y	st	[41]
	<i>Phymaturus indistinctus</i>	2n=42	XY	st	[42]
	<i>Phymaturus laurenti</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st, Banding	[40]
	<i>Phymaturus maulense</i> (<i>P. palluma</i>)	2n=35♂ -36♀	X ₁ X ₂ Y	st	[43]
	<i>Phymaturus palluma</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st, Banding	[40]
	<i>Phymaturus palluma</i>	2n=35♂ -36♀	X ₁ X ₂ Y	st, Banding	[40,43]
	<i>Phymaturus patagonicus</i>	2n=42	XY	st	[42]
	<i>Phymaturus payunia</i>	2n=42	X ₁ X ₂ Y	st	[39]
	<i>Phymaturus punae</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[42]
	<i>Phymaturus roigorum</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st, Banding	[40]
	<i>Phymaturus sp.</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st, Banding	[40]
	<i>Phymaturus williamsi</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st, Banding	[40]
Opluridae	<i>Chalarodon madagascariensis</i>	2n=36	XY	qPCR, CGH	[15,44]
	<i>Oplurus cuvieri</i>	2n=36	XY	CGH	[44]

	<i>Ophurus cyclurus</i>	2n=36	XY	CGH	[44]
	<i>Ophurus fierinensis</i>	2n=36	XY	qPCR, CGH	[15,44]
	<i>Ophurus grandidieri</i>	2n=36	XY	CGH	[44]
	<i>Ophurus quadrimaculatus</i>	2n=36	XY	CGH	[44]
Phrynosomatidae	<i>Petrosaurus thalassinus</i>	nd	XY	qPCR	[15,24]
	<i>Sceloporus aeneus</i>	2n=24	XY	st	[45]
	<i>Sceloporus angustus</i>	2n=34	XY	st	[46]
	<i>Sceloporus asper</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus bulleri</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus chrysostictus</i>	2n=34	XY	st	[47]
	<i>Sceloporus clarkii</i>	2n=40	XY	st	[48]
	<i>Sceloporus clarkii</i>	2n=40♀ -39♂	X ₁ X ₂ Y	st	[46]
	<i>Sceloporus couchii</i>	2n=34	XY	st	[49]
	<i>Sceloporus cozumelae</i>	2n=34	XY	st	[49]
	<i>Sceloporus cyanogenys</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[50]
	<i>Sceloporus dugesii</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus gadoviae</i>	2n=34	XY	st	[52]
	<i>Sceloporus goldmani</i>	2n=24	XY	st	[45]
	<i>Sceloporus graciosus</i>	2n=30	XY	SC	[53]
	<i>Sceloporus grammicus</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus grammicus</i>	2n=34♀ -33♂	X ₁ X ₂ Y	st	[54]
	<i>Sceloporus grammicus</i>	2n=36♀ -35♂	X ₁ X ₂ Y	st	[54]
	<i>Sceloporus heterolepis</i>	2n=32♀ -31♂	XY	st	[45]
	<i>Sceloporus hunsakeri</i>	2n=34	XY	st	[55]
	<i>Sceloporus jalapae</i>	2n=34	XY	st	[45]
	<i>Sceloporus jarrovii</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[56]
	<i>Sceloporus licki</i>	2n=34	XY	st	[45]
	<i>Sceloporus lundelli</i>	2n=22	XY	st	[48]
	<i>Sceloporus macdougalli</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[57]
	<i>Sceloporus maculosus</i>	2n=34♀ -33♂	X ₁ X ₂ Y	st	[46]
	<i>Sceloporus malachiticus</i>	2n=22	XY	qPCR, Banding, Chromoseq	[24,58]
	<i>Sceloporus megalepidurus</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus merriami</i>	2n=46	XY	st	[47]
	<i>Sceloporus mucronatus</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus nelsoni</i>	2n=34	XY	st	[52]
	<i>Sceloporus ochoterena</i>	2n=34	XY	st	[49]
	<i>Sceloporus orcutti</i>	2n=34	XY	st	[48]
	<i>Sceloporus ornatus</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus palaciosi</i>	2n=34♀ -33♂	X ₁ X ₂ Y	st	[59]

	<i>Sceloporus parvus</i>	2n=34	XY	st	[45]
	<i>Sceloporus poinsettii</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[60]
	<i>Sceloporus pyrocephalus</i>	2n=34	XY	st	[52]
	<i>Sceloporus scalaris</i>	2n=24	XY	st	[45]
	<i>Sceloporus serrifer</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus shannonorum</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45,51]
	<i>Sceloporus siniferus</i>	2n=34	XY	st	[45]
	<i>Sceloporus smaragdinus</i>	2n=22	XY	st	[61]
	<i>Sceloporus teapensis</i>	2n=34	XY	st	[49]
	<i>Sceloporus torquatus</i>	2n=32♀ -31♂	X ₁ X ₂ Y	st	[45]
	<i>Sceloporus undulatus</i>	2n=22	XY	st, SC	[62]
	<i>Sceloporus utiformis</i>	2n=34	XY	st	[47]
	<i>Sceloporus variabilis</i>	2n=34	XY	st, qPCR	[14,45]
	<i>Sceloporus zosteromus</i> (S. rufidorsum)	2n=30♀ -29♂	X ₁ X ₂ Y	st	[45]
	<i>Uma inornata</i>	2n=34	X ₁ X ₂ Y	st	[27]
	<i>Uta nolascensis</i>	2n=34	XY	st	[63]
	<i>Uta palmeri</i>	2n=34	XY	st	[63]
	<i>Uta squamata</i>	2n=34	XY	st	[62]
	<i>Uta stansburiana</i>	2n=34	XY	st	[63]
Polychrotidae	<i>Polychrus acutirostris</i>	2n=19♀ -20♀	X ₁ X ₂ Y	st	[64]
	<i>Polychrus femoralis</i>	2n=25♂ -26♀	X ₁ X ₂ Y	st	[65]
	<i>Polychrus marmoratus</i>	2n=29♂ -30♀	X ₁ X ₂ Y	st	[27]
	<i>Polychrus peruvianus</i>	2n=27♂ -28♀	X ₁ X ₂ Y	st	[65]
	<i>Eurolophosaurus amathites</i> (<i>Tropidurus amathites</i>)	2n=36♀ -35♂	X ₁ X ₂ Y	Banding	[66]
Tropiduridae	<i>Tropidurus cocorobensis</i>	2n=36	XY	Banding	[67,68]
	<i>Eurolophosaurus divaricatus</i> (<i>Tropidurus divaricatus</i>)	2n=36♀ -35♂	X ₁ X ₂ Y	Banding	[66]
	<i>Tropidurus erythrocephalus</i>	2n=36	XY	Banding	[67]
	<i>Tropidurus etheridgei</i>	2n=36	XY	Banding	[67,68]
	<i>Tropidurus hispidus</i>	2n=36	XY	Banding; qPCR	[68]
	<i>Tropidurus hygomi</i>	2n=36	XY	Banding	[67,68]
	<i>Tropidurus itambere</i>	2n=35♂ -36♀	X ₁ X ₂ Y	Banding	[67,68]
	<i>Tropidurus montanus</i>	2n=36	XY	Banding	[67]
	<i>Tropidurus mucujensis</i> ,	2n=36	XY	Banding	[67]

	<i>Eurolophosaurus nanuzae</i>					[69]
	(<i>Tropidurus nanuzae</i>)	2n=35♂ -36♀	X ₁ X ₂ Y	Banding		
	<i>Tropidurus oreadicus</i>	2n=36	XY	Banding		[67]
	<i>Tropidurus psammonastes</i>	2n=35♂ -36♀	X ₁ X ₂ Y	Banding		[66]
	<i>Tropidurus torquatus</i>	2n=35♂ -36♀	X ₁ X ₂ Y	Banding		[66]
	<i>Uranoscodon superciliosus</i>	nd	XY	qPCR		[15]
Dibamia						
	Dibamidae					
	<i>Dibamus novaeguineae</i>	2n=36	XY	st		[70]
Gekkota						
	Carphodactylidae					
	<i>Underwoodisaurus milii</i>	2n=38	ZW	Banding, CGH		[71]
	Diplodactylidae					
	<i>Correlophus ciliatus</i>					
	(<i>Rachodactylus ciliatus</i>)	2n=38	ZW	RADseq, painting		[72,73]
	Eublepharidae					
	<i>Coleonyx elegans</i>	2n=31♂ -32♀	X ₁ X ₂ Y	st, painting, qPCR		[74,75]
	<i>Coleonyx mitratus</i>	nd	XY*	st, painting, qPCR		[75]
	Gekkonidae					
	<i>Christinus marmoratus</i>	2n=36	ZW	Banding, RADseq		[75,72]
	<i>Christinus m. marmoratus</i>	2n=32	ZW	st, painting		[76,77]
	<i>Cyrtodactylus</i>					
	<i>chaunghanakwaensis</i>	nd	XY	RADseq		[78]
	<i>Cyrtodactylus</i>					
	<i>pharbaungensis</i>	nd	ZW	RADseq		[79]
	<i>Cyrtodactylus pubisulcus</i>	2n=42	ZW	Banding		[80]
	<i>Cyrtopodion scabrum</i>	2n=40	ZW	Banding		[81]
	<i>Dixonius siamensis</i>	2n=42	ZW	Banding		[82]
	<i>Gehyra australis</i>	2n=40	ZW	Banding		[83]
	<i>Gehyra mutilata</i>	nd	ZW	RADseq		[72]
	<i>Gehyra nana</i>	2n=44	ZW	Banding		[84]
	<i>Gehyra purpurascens</i>	2n=40	ZW	Banding		[85]
	<i>Gekko gekko</i>	2n=38	XY	Banding		[86]
	<i>Gekko hokouensis</i>	2n=38	ZW	Banding, painting		[77,87]
	<i>Gekko japonicus</i>	2n=38	XY	st		[88]
	<i>Hemidactylus frenatus</i>	2n=40	ZW	RADseq		[72,89]
	<i>Hemidactylus -mabouia</i>	2n=42	XY	RADseq		[72,90]
	<i>Hemidactylus platyurus</i>	2n=46	ZW?	Banding, painting		[91]
	<i>Hemidactylus turcicus</i>	2n=44	XY	RADseq		[72,92]
	<i>Hemidactylus vietnamensis</i>	3n = 60	ZW	st		[93,78]
	<i>Heteronotia binoei</i>	2n=42	ZW	Banding, RADseq		[72,94]
	<i>Heteronotia binoei</i>	3n=63	ZW	Banding		[94]

	<i>Heteronotia sp.</i>	2n=42	ZW	Banding	[95]
	<i>Lepidactylus</i>			Banding	[96]
	<i>Lepidodactylus lugubris</i>	2n=44	ZW		
	<i>Lygodactylus picturatus</i>	2n=39-41	0W*	Banding	[97]
	<i>Paroedura cf. gracilis</i>	2n=36♂ -35♀	Z ₁ Z ₂ W	st	[98]
	<i>Paroedura lohatsara</i>	2n=36	ZW	Banding, painting	[99]
	<i>Paroedura masobe</i>	2n=36	ZW	Banding, painting	[99]
	<i>Paroedura karstophila</i>	2n=36	ZW	Banding, painting	[99]
	<i>Paroedura oviceps</i>	2n=36	ZW	Banding, painting	[99]
	<i>Paroedura stumpffi</i>	2n=36	ZW	Banding, painting	[99]
Phyllodactylidae	<i>Phyllodactylus cf. lanei</i>	2n=34	ZW	Banding	[100]
	<i>Phyllodactylus wirshingi</i>	nd	ZW*	RADseq	[101]
	<i>Thecadactylus rapicauda</i>	2n=42	ZW	Banding, RADseq	[72,102]
Pygopodidae	<i>Aprasia parapulchella</i>	2n=42♀ -41♂	X ₁ X ₂ Y	CGH, qPCR	[103,104]
	<i>Delma inornata</i>	2n=36	XY	st, qPCR	[105,104]
	<i>Delma butleri</i>	?	XY	RADseq	[71]
	<i>Lialis burtonis</i>	2n=34♀ -33♂	X ₁ X ₂ Y	st, FISH, qPCR	[104,106,107]
	<i>Lialis jicari</i>	2n=42♀ -41♂	X ₁ X ₂ Y	St, FISH,	[104,107]
	<i>Pygopus nigriceps</i>	2n=38	XY	qPCR	[104,108]
Sphaerodactylidae	<i>Aristelliger barbouri</i>	nd	ZW*	RADseq	[109]
	<i>Aristelliger expectatus</i>	30	ZW	FISH, RADseq	[71,109]
	<i>Aristelliger lar</i>	nd	ZW*	RADseq	[109]
	<i>Aristelliger praesignis</i>	nd	ZW*	RADseq	[109]
	<i>Euleptes europaea</i>	2n=42	XY	FISH	[110]
	<i>Gonatodes ceciliae</i>	2n=22	XY	st	[111]
	<i>Gonatodes humeralis</i>	2n=32	XY	RADseq	[112,113]
	<i>Sphaerodactylus macrolepis</i>	nd	XY*	RADseq	[72]
	<i>Sphaerodactylus nicholsi</i>	nd	XY*	RADseq	[72]
Scincomorpha					
Cordylidae	no data available				
Gerrhosauridae	<i>Tracheloptychus petersi</i>	2n=34	ZW	CGH	[114]
Lacertidae	<i>Acanthodactylus boskianus</i>	2n=38	ZW*	qPCR	[115,116,117]

<i>Acanthodactylus erythrurus</i>	2n=38	ZW	Banding	[118]
<i>Acanthodactylus erythrurus</i> (<i>A. lineomaculatus</i>)	2n=38	ZW	Banding	[119]
<i>Acanthodactylus schreiberi</i>	2n=38	ZW	Banding, qPCR	[117,120]
<i>Algyroides moreoticus</i>	2n=38	ZW	Banding, qPCR	[117,121]
<i>Algyroides nigropunctatus</i>	2n=38	ZW	Banding, qPCR	[117,121]
<i>Anatololacerta pelasgiana</i> (<i>A. oertzeni</i>)	nd	ZW*	qPCR	[117]
<i>Apathya cappadocica</i>	nd	ZW*	qPCR	[117]
<i>Atlantalacerta andreanskyi</i> (<i>Lacerta andeanskyi</i>)	2n=38	ZW	qPCR	[117,122]
<i>Darevskia armeniaca</i>	2n=38	ZW	Banding	[123]
<i>Darevskia dahli</i>	2n=38	ZW	Banding, qPCR	[117,124]
<i>Darevskia mixta</i>	2n=38	ZW	Banding,	[124]
<i>Darevskia raddei</i>	2n=36	ZW	qPCR	[117,125]
<i>Darevskia raddei nairensis</i>	2n=36	ZW	FISH	[126,127]
<i>Darevskia rardei</i> x <i>portschinskii</i>	3n=57	ZW	qPCR	[117]
<i>Darevskia rostombekowi</i>	2n=36	ZW	Banding	[128]
<i>Darevskia unisexualis</i>	2n=38	ZW	Banding, FISH	[127,128]
<i>Darevskia unisexualis</i> x <i>raddei</i>	3n=57	ZW	Banding	[126,128]
<i>Darevskia valentini</i>	2n=36	ZW	Banding, FISH	[127,128]
<i>Darevskia valentini</i>	2n=38	ZW	st,	[127,129]
<i>Dinarolacerta mosorensis</i>	2n=38	ZW	St, Banding	[130]
<i>Eremias arguta</i>	2n=38	ZW	Banding, FISH	[129,131]
<i>Eremias grammica</i>	2n=38	ZW	Banding	[132]
<i>Eremias multiocellata</i>	2n=38	ZW	st, FISH, CGH	[133]
<i>Eremias velox</i>	2n=38	ZW	Banding, qPCR	[117,134,135]
<i>Gallotia galloti</i>	2n=40	ZW	Banding, FISH, qPCR	[116,117,120,136]
<i>Gallotia stehlini</i>	2n=40	ZW	qPCR	[117,137]
<i>Gastropholis prasina</i>	2n=38	ZW	Banding, FISH	[120]
<i>Heliobolus lugubris</i>	2n=38	ZW	Banding	[138]
<i>Hellenolacerta graeca</i> (<i>Lacerta graeca</i>)	2n=38	ZW	Banding	[121]
<i>Holaspis guentheri</i>	nd	ZW*	qPCR	[116,117]
<i>Iberolacerta cyreni</i> (<i>Lacerta cyreni</i>)	2n=36	ZW	Banding	[139,140]

<i>Iberolacerta aurelioi</i> (<i>Lacerta aurelioli</i>)	2n=26♂ -25♀	Z ₁ Z ₂ W	Banding	[139,140]
<i>Iberolacerta bonnali</i> (<i>Lacerta bonnali</i>)	2n=24♂ -23♀	Z ₁ Z ₂ W	Banding	[139,140]
<i>Iberolacerta galani</i>	2n=36	ZW	st, Banding, FISH	[140]
<i>Iberolacerta horvathi</i> (<i>Lacerta horvathi</i>)	2n=36	ZW	Banding, qPCR	[117,141]
<i>Iberolacerta martinezricai</i>	2n=36	ZW	Banding	[140]
<i>Iberolacerta monticola</i>	2n=36	ZW	Banding, FISH, qPCR	[117,139,140,142]
<i>Iranolacerta brandtii</i> (<i>Lacerta brandtii</i>)	2n=38	ZW	qPCR	[117,143]
<i>Lacerta agilis</i>	2n=38	ZW	Banding, qPCR, FISH	[116,117,121,144]
<i>Lacerta bilineata</i>	2n=38	ZW	Banding, qPCR	[116,117,120,136]
<i>Lacerta media</i>	2n=38	ZW	Banding, qPCR	[116,117,120,145]
<i>Lacerta schreiberi</i>	2n=38	ZW	Banding, FISH	[117,120,140,146]
<i>Lacerta strigata</i>	2n=38	ZW	Banding, FISH	[120,135,147]
<i>Lacerta trilineata</i>	2n=38	ZW	Banding, FISH	[117,120,148]
<i>Lacerta viridis</i>	2n=38	ZW	Banding	[117,121]
<i>Latastia longicaudata</i>	2n=38	ZW	Banding; FISH, qPCR	[117,120,149]
<i>Meroles cuneirostris</i>	2n=38	ZW	Banding	[118]
<i>Meroles squamulosus</i>	nd	ZW*	qPCR	[117]
<i>Mesalina olivieri</i>	2n=38	ZW	Banding, qQPR	[117,148]
<i>Mesalina guttulata</i>	2n=38	ZW	Banding, qPCR	[117,148]
<i>Nucras intertexta</i>	nd	ZW*	qPCR	[117]
<i>Nucras taeniolata</i>	nd	ZW*	qPCR	[117]
<i>Omanosaura jayakari</i> (<i>Lacerta jayakari</i>)	2n=38	ZW	Banding	[150]
<i>Ophisops elegans</i>	2n=38	ZW	Banding	[151]
<i>Pedioplanis namaquensis</i>	2n=38	ZW	Banding	[138]
<i>Pedioplanis lineoocellata</i>	nd	ZW*	qPCR	[117]
<i>Phoenicolacerta kulzeri</i> (<i>Lacerta kulzeri</i>)	2n=38	ZW	Banding	[117,152]
<i>Phoenicolacerta laevis</i> (<i>Lacerta laevis</i>)	2n=38	ZW	Banding	[116,152]
<i>Phenicolacerta troodoca</i> (<i>Lacerta troodoca</i>)	2n=38	ZW	Banding, FISH	[117, 120]
<i>Podarcis bocagei</i>	2n=38	ZW	qPCR	[117,153]
<i>Podarcis hispanicus</i>	2n=38	ZW	Banding, qPCR	[117,154]
<i>Podarcis melisellensis</i>	2n=38	ZW	st, Banding	[118,155]
<i>Podarcis muralis</i>	2n=38	ZW	qPCR	[116, 117,156]
<i>Podarcis peloponnesiacus</i>	2n=38	ZW	qPCR	[116, 117,146]

	<i>Podarcis pityusensis</i>	2n=38	ZW	qPCR	[117,157]
	<i>Podarcis siculus</i>	2n=38	ZW	Banding, FISH, qPCR	[117,120, 121]
	<i>Podarcis tauricus</i>	2n=38	Z ₁ Z ₂ W	st, qPCR	[116,117,158]
	<i>Podarcis waglerianus</i>	2n=38	ZW	Banding	[140,159]
	<i>Psammodromus algirus</i>	2n=40	ZW	st, Banding, qPCR	[118,117155]
	<i>Psammodromus hispanicus</i>	2n=38	ZW	qPCR	[117,160]
	<i>Scelarcis perspicillata</i> (<i>Lacerta perspicillata</i>)	2n=38	ZW	qPCR	[117,161]
	<i>Takydromus dorsalis</i>	2n=38	ZW	Banding, FISH	[120]
	<i>Takydromus sexlineatus</i>	2n=38-42	ZW	Banding, qPCR	[116,117,120,162,]
	<i>Teira dugesii</i> (<i>Lacerta dugesii</i>)	2n=38	ZW	Banding, qPCR	[117,118]
	<i>Timon lepidus</i> (<i>Lacerta lepida</i>)	2n=36	ZW	Banding, FISH, qPCR	[116,117,120,163]
	<i>Timon tangitanus</i>	2n=36	ZW	Banding; FISH, qPCR	[117,120]
	<i>Vhembelacerta rupicola</i>	nd	ZW	qPCR	[117]
	<i>Zootoca vivipara carniolica</i>	2n=36	ZW	Banding	[164]
	<i>Zootoca vivipara vivipara</i>	2n=36♂ -35♀	Z ₁ Z ₂ W	Banding, qPCR	[116,117,166]
	<i>Zootoca vivipara pannonica</i>	2n=36♂ -35♀	Z ₁ Z ₂ W	Banding	[166]
Scincidae	<i>Ablepharus deserti</i>	2n=30	XY	st	[167]
	<i>Ablepharus pannonicus</i>	2n=28	XY	st	[167]
	<i>Acritoscincus duperreyi</i>	nd	XY*	ISWGS	[168]
	<i>Asymblepharus alaicus</i>	2n=30	XY	st	[167]
	<i>Carinascincus ocellatus</i>	2n=30	XY	FISH	[169]
	<i>Chalcides viridanus</i>	2n=28	XY	qPCR	[170,171]
	<i>Corucia zebrata</i>	2n=32	XY	Banding, qPCR	[171,172]
	<i>Cyclodomorphus gerrardii</i> (<i>Hemispheridion gerrardii</i>)	2n=32	XY*	qPCR	[171,172]
	<i>Dasia olivacea</i>	2n=32	XY	qPCR	[171,173]
	<i>Emoia nigra</i>	nd	XY	qPCR	[171]
	<i>Eulamprus heatwolei</i>	2n=30	XY	FISH, qPCR, ISWGS	[169,171,174]
	<i>Eutropis multifasciata</i>	nd	XY*	qPCR	[171]
	<i>Lampropholis</i> sp. C	2n=30	XY	Banding	[172]
	<i>Liopholis whitii</i>	2n=32	XY	FISH	[169]
	<i>Mabuya mabouya mabouya</i>	2n=30♀ -31♂	X ₁ X ₂ Y	st	[175]
	<i>Oligosoma oliveri</i> (<i>Cyclodina olivieri</i>)	2n=30	XY	st	[176]

	<i>Pseudemoia</i>				
	<i>entrecasteauxii</i>	2n=30	XY	banding	[177]
	<i>Saproscincus czechurai</i>	2n=30	XY	Banding	[172]
	<i>Scincella assata</i>	2n=28	XY	banding	[178]
	<i>Scincella cherriei</i>	2n=30	XY	st, banding	[178]
	<i>Scincella lateralis</i>	2n=30♀ -29♂	X ₁ X ₂ Y ₂	st	[179]
	<i>Scincella melanosticta</i>	2n=30	ZW	st	[180]
	<i>Scincopus fasciatus</i>	nd	XY*	qPCR	[171]
	<i>Scincus scincus</i>	2n=32	XY	qPCR	[156,171]
	<i>Tiliqua gigas</i>	2n=32	XY	Banding, qPCR	[171,172]
	<i>Tiliqua nigrolutea</i>	2n=32	XY	qPCR	[171,181]
	<i>Trachylepis brevicollis</i>	nd	XY*	qPCR	[171]
	<i>Tribolonotus gracilis</i>	2n=32	XY	Banding, qPCR	[171,172]
	<i>Tropidophorus baconi</i>	nd	XY*	CGH	[171]
Xantusiidae	<i>Xantusia henshawi</i>	40	ZW*	RADseq	[182]
Gymnophthalmoidea					
Alopoglossidae	no data available				
Gymnophthalmidae	<i>Calyptommatus leiolepis</i>	2n=58♀ -57♂	X ₁ X ₂ Y	Banding	[183]
	<i>Calyptommatus nicterus</i>	2n=58♀ -57♂	X ₁ X ₂ Y	Banding	[183]
	<i>Calyptommatus sinebrachiatus</i>	2n=58♀ -57♂	X ₁ X ₂ Y	Banding	[183]
	<i>Gymnophthalmus pleii</i>	2n=34	XY	Banding	[184]
	<i>Micrablepharus atticolus</i>	2n=50-53 (B chr.)	XY	Banding	[185]
	<i>Micrablepharus maximiliani</i>	2n=50-51 (B chr.)	XY	Banding	[185]
	<i>Nothobachia ablephara</i>	2n=62-64 (B chr.)	XY	Banding	[186]
Teiidae	<i>Aspidoscelis tigris</i>				[187]
	<i>(Cnemidophorus tigris)</i>	2n=46	XY	st	
	<i>Liopholis whitii</i>	2n=32	XY	Banding, FISH	[169]
Diploglossa					
Anguidae	<i>Abronia lythrochila</i>	2n=30	ZW	Banding, CGH, qPCR	[188,189]
Diploglossidae	no data available				
Xenosauridae	no data available				

Platynota

Helodermatidae	<i>Heloderma exasperatum</i>	2n=40	ZW	Banding, CGH, qPCR	[188,189]
	<i>Heloderma horridum</i>	2n=40	ZW	Banding, CGH, qPCR	[188,189]
	<i>Heloderma suspectum</i>	2n=36	ZW	Banding, CGH, qPCR	[188,190]
Lanthanotidae	no data available				
	<i>Varanus acanthurus</i>			Banding, painting, CGH, qPCR,	[191,188,192,193]
Varanidae	<i>Varanus albigularis</i>	2n=40	ZW	Banding,	[194]
	<i>Varanus beccarii</i>	2n=40	ZW	Banding, CGH, qPCR, painting	[188,193]
	<i>Varanus boehmei</i>	2n=40	ZW	Banding, painting	[193]
	<i>Varanus cumingi</i>	2n=40	ZW	Banding, CGH	[189]
	<i>Varanus exanthematicus</i>	2n=40	ZW	qPCR, RADseq	[182,195]
	<i>Varanus gilleni</i>	2n=40	ZW	qPCR	[194,188],
	<i>Varanus glauerti</i>	2n=40	ZW	painting, qPCR	[188,193]
	<i>Varanus gouldii</i>	2n=40	ZW	Banding, CGH	[192]
	<i>Varanus indicus</i>	2n=40	ZW	qPCR	[188,194]
	<i>Varanus jobiensis</i>	nd	ZW*	qPCR	[188]
	<i>Varanus komodoensis</i>	2n=40	ZW	Banding, FISH, qPCR	[188,194,195]
	<i>Varanus kordensis</i>	2n=40	ZW	Banding, CGH, qPCR	[188,189]
	<i>Varanus macraei</i>	2n=40	ZW	Banding, painting	[193]
	<i>Varanus melinus</i>	nd	ZW*	qPCR	[188]
	<i>Varanus mertensi</i>	2n=40	ZW	FISH, qPCR	[188,193]
	<i>Varanus niloticus</i>	2n=40	ZW	Banding, CGH, FISH	[192,194]
	<i>Varanus olivaceus</i>	2n=40	ZW	Banding, FISH, qPCR	[188,189]
	<i>Varanus pilbarensis</i>	nd	ZW*	qPCR	[188]
	<i>Varanus panoptes horni</i>	2n=40	ZW	Banding, painting, qPCR	[188,193]
	<i>Varanus prasinus</i>	2n=40	ZW	Banding, paintingCR	[188,193]
	<i>Varanus primordius</i>	2n=40	ZW	Banding, FISH	[189]
	<i>Varanus reisingeri</i>	nd	ZW*	qPCR	[188]
	<i>Varanus rosenbergi</i>	2n=40	ZW	FISH, CGH	[192]
<i>Varanus salvadorii</i>	2n=40	ZW	Banding, CGH, qPCR	[188,189]	
<i>Varanus salvator komaini</i>	2n=40	ZW	Banding, CGH, qPCR	[189]	
<i>Varanus salvator macromaculatus</i>	2n=40	ZW	Banding, FISH, CGH, qPCR	[188,192]	
<i>Varanus tristis orientalis</i>	2n=40	ZW	qPCR	[188,194]	
<i>Varanus varius</i>	2n=40	ZW	FISH, CGH, qPCR	[188,192]	

Shinisauroidea

Shinisauridae no data available

Amphisbaenia

Amphisbaenidae no data available

Bipedidae *Bipes tridactylus* 2n=46 ZW st [196]

Blanidae no data available

Cadeidae no data available

Rhineuridae no data available

Trogonophidae no data available

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