

Table S1: List of species used in the bioinformatic analyzes. The species used in analyses molecular evolution of *Hoxa13* with GenBank accession numbers and museum vouchers for species sequenced for this study.

<b>Groups</b>	<b>Species</b>	<b>Museum numbers</b>	<b>GenBank Assession Numbers</b>
	<i>Amphisbaena alba</i>	UFMT-R5478	KR136316
	<i>Amphisbaena hastata</i>	CHRP281	KR136317
	<i>Amphisbaena petrei</i>	MUFAL9054-1/2	KR136318
	<i>Leposternum polystegum</i>	CHUNB30669	KR136319
<b>Amphisbaenia</b>	<i>Cercolophia cuiabana</i>	TMOTT204	KR136320
	<i>Amphisbaena cubana</i>		DQ119602.1
	<i>Blanus strauchi</i>		EU203614.1
	<i>Rhineura floridana</i>		DQ119600.1
	<i>Bipes biporus</i>		DQ119601.1
	<i>Trogonophis wiegmanni</i>		DQ119603.1
	<i>Agama agama</i>		AF083099.1
	<i>Cyclura nubila</i>		DQ119608.1
<b>Lizards</b>	<i>Leiocephalus barahonensis</i>		DQ119607.1
	<i>Varanus dumerilli</i>		AF083102.1
	<i>Heloderma suspectum</i>		DQ119604.1
	<i>Xantusia riversiana</i>		DQ119596.1
	<i>Typhlops richardi</i>		AF083103.1
	<i>Ramphotyphlops braminus</i>		EF456654.1
	<i>Liasis savuensis</i>		FJ433946.1
<b>Serpentes</b>	<i>Charina trivirgata</i>		AF083104.1
	<i>Agkistrodon contortrix</i>		EF456655.1
	<i>Micrurus fulvius</i>		EF456656.1
	<i>Dendroaspis jamesoni</i>		EF456657.1
	<i>Coluber constrictor</i>		EF456660.1
	<i>Lampropeltis getula</i>		EF456658.1
	<i>Pantherophis obsoletus</i>		EF456659.1

	<i>Ambystoma maculatum</i>	HERA.012588	KR136321
	<i>Amphiuma trydactylum</i>	HERA.012134	KR136322
	<i>Cryptobranchus alleganiensis</i>	HERA.011881	KR136323
<b>Caudata</b>	<i>Desmognathus fuscus</i>	HERA.011789	KR136324
	<i>Eurycea bislineata</i>	HERA.012599	KR136325
	<i>Necturus maculosus</i>	HERA.006232	KR136326
	<i>Notophthalmus viridescens</i>	HERA.010021	KR136327
	<i>Ambystoma mexicanum</i>		EF456666.1
	<i>Gymnopsis multiplicata</i>		EF456665.1
	<i>Caecilia tentaculata</i>	Private collection MTU	KR136328
<b>Gymnophiona</b>	<i>Microcaecilia sp</i>	Private collection MTU	KR136329
	<i>Siphonops paulensis</i>	UFRGST2227	KR136330
	<i>Chthonerpeton indistinctum</i>	UFRGST1152	KR136331
	<i>Luetkenotyphlus brasiliensis</i>	UFRGST1162	KR136332
	<i>Xenopus laevis</i>		AF107227.1
	<i>Bufo guttatus</i>	Private collection MTU	KR136333
	<i>Colosthetus sp</i>	Private collection MTU	KR136334
<b>Anura</b>	<i>Dermatonotus muelleri</i>	Private collection MTU	KR136335
	<i>Pipa pipa</i>	Private collection MTU	KR136336
	<i>Rana catesbeiana</i>	Private collection MTU	KR136337
	<i>Leptodactylus fuscus</i>	Private collection MTU	KR136338