

Additional file 6 – List of specimens (species, GenBank accession, continent) included in the divergence time species tree analysis (x = included) and/or the pruned ancestral area reconstruction, which included fewer representatives per clade.

Genus	species (and clade)	Cytb	Rag1	Continent	Species tree	Ancestral area
<i>Aneides</i>	<i>aeneus</i>	AY691742	AY691701	North America	x	x
<i>Desmognathus</i>	<i>brimleyorum</i>	AY691737	AY691697	North America	x	x
<i>Ensatina</i>	<i>eschschoztzii</i>	AY691743	AY691702	North America	x	x
<i>Plethodon</i>	<i>cinereus</i>	AY691745	AY691703	North America	x	x
<i>Pseudoeurycea</i>	<i>rex</i>	AY691757	AY650125	Central America	x	x
<i>Thorius</i>	<i>troglydytes</i>	KC614433	KC614460	Central America	x	x
<i>Bolitoglossa</i>	<i>adspersa</i>	AF212984		South America	x	x
<i>Bolitoglossa</i>	<i>alberchi</i>	AF212978		Central America	x	
<i>Bolitoglossa</i>	<i>alberchi</i>	AF212979		Central America	x	x
<i>Bolitoglossa</i>	<i>altamazonica</i>	AY526160		South America	x	
<i>Bolitoglossa</i>	<i>biseriata</i>	AY526161	KC614436	Central America	x	x
<i>Bolitoglossa</i>	<i>carri</i>		KC614458	Central America	x	x
<i>Bolitoglossa</i>	<i>carri</i>	AY526175		Central America	x	
<i>Bolitoglossa</i>	<i>carri</i>	AY526176		Central America	x	
<i>Bolitoglossa</i>	<i>celaque</i>	AY526177		Central America	x	x
<i>Bolitoglossa</i>	<i>celaque</i>	AY526178		Central America	x	
<i>Bolitoglossa</i>	<i>cf. equatoriana</i> (upper equatoriana clade)	DQ353842	KC614451	South America	x	x
<i>Bolitoglossa</i>	<i>cf. equatoriana</i> (upper equatoriana clade)	DQ353840		South America	x	
<i>Bolitoglossa</i>	<i>cf. equatoriana</i> (upper equatoriana clade)	DQ353841		South America	x	
<i>Bolitoglossa</i>	<i>cf. equatoriana</i> (upper equatoriana clade)	DQ353843		South America	x	
<i>Bolitoglossa</i>	<i>cf. equatoriana</i> (upper equatoriana clade)	DQ353844		South America	x	
<i>Bolitoglossa</i>	<i>cf. equatoriana</i> (upper equatoriana clade)	DQ353846		South America	x	
<i>Bolitoglossa</i>	<i>cf. peruviana</i> (altamazonica clade)	DQ353809	KC614442	South America	x	x
<i>Bolitoglossa</i>	<i>cf. peruviana</i> (altamazonica clade)	KC614427	KC614453	South America	x	x
<i>Bolitoglossa</i>	<i>cf. peruviana</i> (altamazonica clade)	KC614430	KC614455	South America	x	x
<i>Bolitoglossa</i>	<i>cf. peruviana</i> (altamazonica clade)	DQ353810		South America	x	
<i>Bolitoglossa</i>	<i>cf. peruviana</i> (altamazonica clade)	DQ353811		South America	x	
<i>Bolitoglossa</i>	<i>cf. peruviana</i> (lower Napo/lower Aguarico clade)	DQ353836	KC614450	South America	x	x
<i>Bolitoglossa</i>	<i>cf. peruviana</i> (lower Napo/lower Aguarico clade)	DQ353830		South America	x	
<i>Bolitoglossa</i>	<i>cf. peruviana</i> (lower Napo/lower Aguarico clade)	DQ353831		South America	x	

<i>Bolitoglossa</i>	cf. <i>peruviana</i> (lower Napo/lower Aguarico clade)	DQ353832		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (lower Napo/lower Aguarico clade)	DQ353833		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (lower Napo/lower Aguarico clade)	DQ353834		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (lower Napo/lower Aguarico clade)	DQ353835		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (lower Napo/lower Aguarico clade)	DQ353837		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (lower Napo/lower Aguarico clade)	DQ353839		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (lower Napo/lower Aguarico clade)	KC614454		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (lower Napo/lower Aguarico clade)	KC614444		South America		x
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Aguarico clade)	DQ353815	KC614443	South America	x	x
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Aguarico clade)	DQ353812		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Aguarico clade)	DQ353813		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Aguarico clade)	DQ353814		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353821	KC614445	South America	x	x
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353827	KC614446	South America	x	x
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353816		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353817		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353818		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353820		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353822		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353823		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353824		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353825		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353826		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353828		South America	x	
<i>Bolitoglossa</i>	cf. <i>peruviana</i> (upper Napo clade)	DQ353829		South America	x	
<i>Bolitoglossa</i>	<i>colonnea</i>	AY526162		Central America	x	x
<i>Bolitoglossa</i>	<i>conanti</i>	AY526179		Central America	x	x
<i>Bolitoglossa</i>	<i>conanti</i>		KC699924	Central America	x	x
<i>Bolitoglossa</i>	<i>decora</i>	AY526180		Central America	x	x
<i>Bolitoglossa</i>	<i>diaphora</i>	AY526181		Central America	x	x
<i>Bolitoglossa</i>	<i>dofleini</i>	AF212988		Central America	x	x
<i>Bolitoglossa</i>	<i>dunni</i>	AY526182	KC614438	Central America	x	x
<i>Bolitoglossa</i>	<i>engelhardti</i>	AF212987		Central America	x	x
<i>Bolitoglossa</i>	<i>engelhardti</i>		KC699925	Central America	x	x
<i>Bolitoglossa</i>	<i>epimela</i>	AF212097		Central America	x	x
<i>Bolitoglossa</i>	<i>equatoriana</i>	DQ353845		South America	x	
<i>Bolitoglossa</i>	<i>equatoriana</i>	KC614428		South America	x	x

<i>Bolitoglossa</i>	<i>equatoriana</i> (was <i>peruviana</i> in Parra-Olea et al 2004)	AY526169		South America	x	
<i>Bolitoglossa</i>	<i>flaviventris</i>	AF212983		Central America	x	x
<i>Bolitoglossa</i>	<i>franklini</i>	AY526184	KC614439	Central America	x	x
<i>Bolitoglossa</i>	<i>gracilis</i>	AF212067		Central America	x	x
<i>Bolitoglossa</i>	<i>gracilis</i>	AF212068		Central America	x	
<i>Bolitoglossa</i>	<i>helmrichi</i>	AY691755	AY650124	Central America	x	x
<i>Bolitoglossa</i>	<i>hermosa</i>	AF416678		Central America	x	x
<i>Bolitoglossa</i>	<i>lincolni</i>	AY526185	KC614440	Central America	x	x
<i>Bolitoglossa</i>	<i>longissima</i>	AY526186	KC614441	Central America	x	x
<i>Bolitoglossa</i>	<i>macrinii</i>	AF416680		Central America	x	x
<i>Bolitoglossa</i>	<i>medemi</i>	AY526163	KC614437	Central America	x	x
<i>Bolitoglossa</i>	<i>mexicana</i>	AF212099		Central America	x	
<i>Bolitoglossa</i>	<i>mexicana</i>	AF212975		Central America	x	
<i>Bolitoglossa</i>	<i>mexicana</i>	AF212976		Central America	x	
<i>Bolitoglossa</i>	<i>minutula</i>	AF212098	KC614434	Central America	x	x
<i>Bolitoglossa</i>	<i>mombachoensis</i>	AY133486		Central America	x	x
<i>Bolitoglossa</i>	<i>morio</i>		KC699926	Central America	x	x
<i>Bolitoglossa</i>	<i>morio</i>	AF212986		Central America	x	
<i>Bolitoglossa</i>	<i>morio</i>	AY526187		Central America	x	
<i>Bolitoglossa</i>	<i>oaxacensis</i>	AF416681		Central America	x	x
<i>Bolitoglossa</i>	<i>occidentalis</i>	AY526158	KC614435	Central America	x	x
<i>Bolitoglossa</i>	<i>odonnelli</i>	AF212977	KC699922	Central America	x	x
<i>Bolitoglossa</i>	<i>palmata</i>	AY526164		South America	x	x
<i>Bolitoglossa</i>	<i>palmata</i>	AY526165		South America	x	
<i>Bolitoglossa</i>	<i>paraensis</i>	AY526166		South America	x	x
<i>Bolitoglossa</i>	<i>paraensis</i>	AY526167		South America	x	
<i>Bolitoglossa</i>	<i>paraensis</i>	AY526168		South America	x	
<i>Bolitoglossa</i>	<i>peruviana</i>	AY526170		South America	x	
<i>Bolitoglossa</i>	<i>pesubra</i>	AF212069		Central America	x	x
<i>Bolitoglossa</i>	<i>platydactyla</i>	AF212981	KC699923	Central America	x	x
<i>Bolitoglossa</i>	<i>platydactyla</i>	AY133484		Central America	x	
<i>Bolitoglossa</i>	<i>porrasorum</i>	AY526188		Central America	x	x
<i>Bolitoglossa</i>	<i>riletti</i>	AF416682		Central America	x	x
<i>Bolitoglossa</i>	<i>rufescens</i>	AY526159		Central America	x	x
<i>Bolitoglossa</i>	<i>schizodactyla</i>	AY526171		Central America	x	x
<i>Bolitoglossa</i>	<i>sp.</i> (Chilma)	KC614431	KC614456	South America	x	x
<i>Bolitoglossa</i>	<i>sp.</i> (Condor)	KC614432		South America	x	x

<i>Bolitoglossa</i>	<i>sp. (ECSanFran)</i>	KC699921	South America	x	x
<i>Bolitoglossa</i>	<i>sp.B</i>	AF212088	Central America	x	x
<i>Bolitoglossa</i>	<i>sp.MGP-1</i>	AY526173	South America	x	x
<i>Bolitoglossa</i>	<i>sp.MGP-2</i>	AY526174	Central America	x	x
<i>Bolitoglossa</i>	<i>sp.MGP-3</i>	AY526191	Central America	x	x
<i>Bolitoglossa</i>	<i>sp.MGP-3</i>	AY526192	Central America	x	x
<i>Bolitoglossa</i>	<i>subpalmata</i>	AF212094	Central America	x	x
<i>Bolitoglossa</i>	<i>synoria</i>	AY526193	Central America	x	x
<i>Bolitoglossa</i>	<i>yucatana</i>	AF212980	Central America	x	x
<i>Bolitoglossa</i>	<i>zapoteca</i>	AF416683	Central America	x	x
<i>Bolitoglossa</i>	<i>zapoteca</i>	AF416684	Central America	x	
