

**Table 3.** Voucher specimens, Museum of Vertebrate Zoology number (MVZ), and Genbank accession numbers.

Museum number	Taxa	POMC	BDNF	RAG
---	<i>Alligator mississippiensis</i>	EU275842	EU275888	AF143724
132964	<i>Ambystoma rosaceum</i>	EU275841	EU275887	AY583345
241480	<i>Amphiuma tridactylum</i>	EU275817	EU275863	AY650128
204245	<i>Andrias davidianus</i>	EU275843	EU275889	AY650142
158353	<i>Aneides aeneus</i>	EU275844	EU275890	AY691701
219942	<i>Aneides ferreus</i>	EU275845	EU275891	EU275805
170983	<i>Aneides flavipunctatus</i>	EU275848	EU275894	EU275808
219973	<i>Aneides flavipunctatus</i>	EU275849	EU275895	EU275809
226110	<i>Aneides hardii</i>	EU275811	EU275857	EU275780
249828	<i>Aneides lugubris</i>	EU275847	EU275893	EU275807
220991	<i>Aneides vagrans</i>	EU275846	EU275892	EU275806
187732	<i>Ascaphus truei</i>	EU275850	EU275896	AY323754
---	<i>Atylodes genei</i>	EU275840	EU275886	EU275804
156447	<i>Batrachoseps major</i>	EU275855	EU275901	AY650126
225875	<i>Bolitoglossa sp. nov.</i>	EU275851	EU275897	EU275810
145017	<i>Desmognathus brimleyorum</i>	EU275819	EU275865	EU275786
224931	<i>Desmognathus fuscus</i>	EU275812	EU275858	EU275781
192601	<i>Dicamptodon tenebrosus</i>	EU275824	EU275870	EU275789
236171	<i>Ensatina eschscholtzii</i>	EU275816	EU275862	EU275785
225074	<i>Eurycea bislineata</i>	EU275815	EU275861	EU275784
---	<i>Gallus gallus</i>	71895056	DQ124361	AF143730
173504	<i>Gyrinophilus porphyriticus</i>	EU275853	EU275899	AY583349
225078	<i>Hemidactylium scutatum</i>	EU275852	EU275898	AY691711
---	<i>Homo sapiens</i>	BT019918	X60201	NM000448
238576	<i>Hydromantes brunus</i>	EU275825	EU275871	EU275790
240733	<i>Hydromantes platicephalus</i>	EU275828	EU275874	EU275793
230651	<i>Hydromantes shastae</i>	EU275829	EU275875	EU275794
197240	<i>Hynobius sonani</i>	EU275818	EU275864	AY650144
246033	<i>Karsenia koreana</i>	EU275822	EU275868	AY887135
173507	<i>Phaeognathus hubrichti</i>	EU275814	EU275860	EU275783
220003	<i>Plethodon elongatus</i>	EU275836	EU275882	AY650120
215255	<i>Plethodon fourchensis</i>	EU275838	EU275884	EU275802
137290	<i>Plethodon hoffmani</i>	EU275837	EU275883	EU275801
206567	<i>Plethodon jordani</i>	EU275835	EU275881	EU275800
---	<i>Plethodon larselli</i>	EU275839	EU275885	EU275803
145037	<i>Plethodon ouachitae</i>	EU275831	EU275877	EU275796
215256	<i>Plethodon serratus</i>	EU275830	EU275876	EU275795
206570	<i>Plethodon teyahalee</i>	EU275834	EU275880	EU275799
236241	<i>Plethodon vandykei</i>	EU275833	EU275879	EU275798
225739	<i>Plethodon yonahlossee</i>	EU275832	EU275878	EU275797
235673	<i>Pleurodeles poireti</i>	EU275820	EU275866	EU275787
---	<i>Protopterus sp.</i>	4760914	EU275856	AY442928
137304	<i>Pseudotriton ruber</i>	EU275854	EU275900	AY650123
222581	<i>Rhyacotriton variegatus</i>	EU275823	EU275869	AY691693
163996	<i>Speleomantes italicus</i>	EU275826	EU275872	EU275791
163997	<i>Speleomantes italicus</i>	EU275827	EU275873	EU275792
---	Squamata	AB128826	DQ385335	AY662590
233227	<i>Stereochilus marginatus</i>	EU275813	EU275859	EU275782
236638	<i>Tylotriton wenxianensis</i>	EU275821	EU275867	EU275788
---	<i>Xenopus laevis</i>	X05940	EF035623	L19324