

**Table S1.** Partial list of museum specimens used in study. Additional historic samples reported elsewhere (see Johnson *et al.* 2004 *Mol. Ecol.* **13**, 2617-2630; Johnson & Dunn 2006 *Conserv. Genet.* **7**, 37-48).

Subspecies	State/ Province	County/ location	Date	Museum <sup>1</sup>	Museum ID	Pop ID	Accession number
<i>attwateri</i>	Texas	Aransas Co.	1893	USNM	128483	Refugio	DQ027820
<i>attwateri</i>	Texas	Jefferson Co.	1894	USNM	132509	Jefferson	DQ027821
<i>attwateri</i>	Texas	East Bernard	1905	USNM	197839	Colorado	DQ027822
<i>attwateri</i>	Texas	Colorado Co.	1945	UMMZ	122597	Colorado	DQ027818
<i>attwateri</i>	Texas	Colorado Co.	1948	UMMZ	122598	Colorado	DQ027819
<i>attwateri</i>	Texas	Colorado Co.	1948	UMMZ	122599	Colorado	DQ027824
<i>attwateri</i>	Texas	Colorado Co.	1945	UMMZ	122600	Colorado	DQ027818
<i>attwateri</i>	Texas	Aransas Co.	1893	AMNH	59538	Refugio	DQ027818
<i>attwateri</i>	Texas	Victoria Co	1911	AMNH	751219	Refugio	AY273865
<i>attwateri</i>	Texas	Victoria Co	1910	AMNH	751220	Refugio	AY273835
<i>attwateri</i>	Texas	Matagorda Co.	1887	AMNH	80402	Colorado	DQ027823
<i>attwateri</i>	Texas	Colorado Co.	1938	MVZ	100283	Colorado	DQ027818
<i>attwateri</i>	Texas	Refugio Co.	1938	MVZ	100284	Refugio	AY273865
<i>attwateri</i>	Texas	Colorado Co.	1940	TX A&M	1007	Colorado	DQ027820
<i>attwateri</i>	Texas	Refugio Co.	1941	TX A&M	1015	Refugio	DQ027818
<i>attwateri</i>	Texas	Colorado Co.	1942	TX A&M	1785	Colorado	AY273857
<i>attwateri</i>	Texas	Austin Co.	1942	TX A&M	7654	Colorado	DQ027821
<i>attwateri</i>	Texas	Chambers Co.	1941	TX A&M	8295	Jefferson	DQ027820
<i>attwateri</i>	Louisiana	Cameron Co.	1854	USNM	A04249	Jefferson	EF151035
<i>pinnatus</i>	Alberta	Beaver Lake	1923	AMNH	751214	Alberta	AY273864
<i>pinnatus</i>	Alberta	Sullivan Lake	1921	FMNH	401192	Alberta	AY608326
<i>pinnatus</i>	Iowa	Webster Co.	1893	USNM	141357	Iowa	AY855252
<i>pinnatus</i>	Iowa	Webster Co.	1893	USNM	141358	Iowa	AY273829
<i>pinnatus</i>	Iowa	Webster Co.	1893	USNM	141359	Iowa	EF151038
<i>pinnatus</i>	Iowa	Delaware Co.	1914	MVZ	26193	Iowa	AY855251
<i>pinnatus</i>	Iowa	--	--	AMNH	45201	Iowa	AY273864
<i>pinnatus</i>	Iowa	Lee Co.	1896	UMMZ	84207	Iowa	EF151039
<i>pinnatus</i>	Iowa	Lee Co.	1895	UMMZ	84208	Iowa	AY273864
<i>pinnatus</i>	Iowa	Des Moines Co.	1887	AMNH	471702	Iowa	AY273829
<i>pinnatus</i>	Illinois	Winnebago Co.	1862	USNM	25990	IL-N	AY273835
<i>pinnatus</i>	Illinois	Winnebago Co.	1862	USNM	25992	IL-N	AY273835
<i>pinnatus</i>	Illinois	Winnebago Co.	1862	USNM	25996	IL-N	AY273864
<i>pinnatus</i>	Illinois	Winnebago Co.	1862	USNM	25998	IL-N	AY273864
<i>pinnatus</i>	Illinois	Winnebago Co.	1862	USNM	26002	IL-N	AY273864
<i>pinnatus</i>	Illinois	Winnebago Co.	1862	USNM	26003	IL-N	AY273864
<i>pinnatus</i>	Illinois	Winnebago Co.	1862	USNM	26005	IL-N	EF151040
<i>pinnatus</i>	Illinois		1847	USNM	76742	IL-N	AY273864
<i>pinnatus</i>	Illinois	Marion Co.	1884	AMNH	471701	IL-S	AY273832
<i>pinnatus</i>	Illinois		1883	FMNH	417209	IL-S	AY273840
<i>pinnatus</i>	Illinois	Jasper Co.	1937	INHS	G-C-10	IL-S	EF151064
<i>pinnatus</i>	Illinois	Jasper Co.	1937	INHS	G-C-6	IL-S	EF151064
<i>pinnatus</i>	Illinois	Jasper Co.	1966	INHS	G-C-1	IL-S	EF151064
<i>pinnatus</i>	Illinois	Jasper Co.	1937	INHS	G-C-9	IL-S	EF151064
<i>pinnatus</i>	Illinois	Jasper Co.	1970	INHS	G-C-2	IL-S	AY608327
<i>pinnatus</i>	Illinois	Jasper Co.	1968	INHS	G-C-4	IL-S	AY273832
<i>pinnatus</i>	Illinois	Jasper Co.	1936	INHS	-	IL-S	EF151063
<i>pinnatus</i>	Illinois	Jasper Co.	1970	INHS	G-C-5	IL-S	EF151063
<i>pinnatus</i>	Illinois	Jasper Co.	1966	INHS	G-C-3	IL-S	AY273832
<i>pinnatus</i>	Illinois	Jasper Co.	1936	INHS	-	IL-S	AY608327
<i>pinnatus</i>	Illinois		194?	INHS	U168	IL-S	AY273832
<i>pinnatus</i>	Illinois	Jasper Co.	1937	INHS	G-C-11	IL-S	EF151063
<i>pinnatus</i>	Indiana	Newton Co.	1964	USNM	532324	IL-N	AY273835
<i>pinnatus</i>	Kansas	Greenwood Co.	1883	USNM	89438	KS/NE (SE)	AY273835
<i>pinnatus</i>	Kansas	Woodson	1878	KSNHM	71644	KS/NE (SE)	AY273864
<i>pinnatus</i>	Kansas	Woodson	1879	KSNHM	71643	KS/NE (SE)	AY273835
<i>pinnatus</i>	Kansas	Douglas	1885	KSNHM	7058	KS/NE (SE)	EF151041
<i>pinnatus</i>	Kansas	Dickinson	1890	KSNHM	27862	KS/NE (SE)	AY273835
<i>pinnatus</i>	Manitoba	Elenpoint	1902	AMNH	436425	Man	AY273864
<i>pinnatus</i>	Manitoba	Carman	1906	AMNH	353628	Man	AY273857
<i>pinnatus</i>	Manitoba	Carman	1921	FMNH	16333	Man	AY273864
<i>pinnatus</i>	Manitoba	Shoal Lake	1897	FMNH	16334	Man	AY855253
<i>pinnatus</i>	Manitoba	Portage Plains	1898	FMNH	16345	Man	AY608323

Table S1 (cont.)

Subspecies	State/ Province	County/ location	Date	Museum <sup>1</sup>	Museum ID	Pop ID	Accession number
<i>pinnatus</i>	Michigan	St. Joseph Co.	1911	USNM	231442	MI-SE	EF151042
<i>pinnatus</i>	Michigan	St. Joseph Co.	1901	USNM	231445	MI-SE	AY273832
<i>pinnatus</i>	Michigan	Ingham Co.	1897	UMMZ	82807	MI-SE	EF151043
<i>pinnatus</i>	Michigan	Jackson Co.	1925	UMMZ	111252	MI-SE	EF151043
<i>pinnatus</i>	Michigan	Jackson Co.	1925	UMMZ	111253	MI-SE	EF151044
<i>pinnatus</i>	Michigan	Jackson Co.	1926	UMMZ	111255	MI-SE	EF151045
<i>pinnatus</i>	Michigan	Jackson Co.	1927	UMMZ	58414	MI-SE	AY273835
<i>pinnatus</i>	Michigan	Livingston Co.	1928	UMMZ	59495	MI-SE	AY273832
<i>pinnatus</i>	Michigan	Livingston Co.	1928	UMMZ	59496	MI-SE	AY273832
<i>pinnatus</i>	Michigan	Livingston Co.	1929	UMMZ	60710	MI-SE	AY273832
<i>pinnatus</i>	Michigan	Washtenaw Co.	1907	UMMZ	35983	MI-SE	AY273832
<i>pinnatus</i>	Michigan	Washtenaw Co.	1907	UMMZ	35984	MI-SE	AY273832
<i>pinnatus</i>	Michigan	Arenac Co.	1929	UMMZ	61353	MI-C	AY273832
<i>pinnatus</i>	Michigan	Gladwin Co.	1935	UMMZ	84585	MI-C	AY273832
<i>pinnatus</i>	Michigan	Isabella Co.	1955	UMMZ	136572	MI-C	AY273832
<i>pinnatus</i>	Michigan	Midland Co.	1928	UMMZ	60140	MI-C	EF151046
<i>pinnatus</i>	Michigan	Midland Co.	1929	UMMZ	61838	MI-C	AY273832
<i>pinnatus</i>	Michigan	Roscommon Co.	1936	UMMZ	122595	MI-C	AY273832
<i>pinnatus</i>	Michigan	Roscommon Co.	1939	UMMZ	82853	MI-C	AY273832
<i>pinnatus</i>	Michigan	Tuscola Co.	1926	UMMZ	55978	MI-C	AY273832
<i>pinnatus</i>	Michigan	Menominee Co.	1934	USNM	339649	MI-UP	AY273835
<i>pinnatus</i>	Michigan	Chippewa Co.	1938	UMMZ	101218	MI-UP	EF151047
<i>pinnatus</i>	Michigan	Chippewa Co.	1938	UMMZ	101219	MI-UP	AY273832
<i>pinnatus</i>	Michigan	Chippewa Co.	1941	UMMZ	110745	MI-UP	AY273832
<i>pinnatus</i>	Michigan	Dickinson Co.	1935	UMMZ	82820	MI-UP	AY855250
<i>pinnatus</i>	Michigan	Houghton Co.	1933	UMMZ	71072	MI-UP	AY273835
<i>pinnatus</i>	Michigan	Houghton Co.	1934	UMMZ	84234	MI-UP	AY273840
<i>pinnatus</i>	Michigan	Iron Co.	1935	UMMZ	82821	MI-UP	AY608326
<i>pinnatus</i>	Michigan	Luce Co.	1941	UMMZ	110746	MI-UP	AY273835
<i>pinnatus</i>	Michigan	Schoolcraft Co.	1934	UMMZ	75269	MI-UP	EF151047
<i>pinnatus</i>	Michigan	Mackinaw Co.	1933	FMNH	92833	MI-UP	AY273835
<i>pinnatus</i>	Michigan	Mackinaw Co.	1933	FMNH	92832	MI-UP	AY273849
<i>pinnatus</i>	Minnesota	Hennepin Co.	1903	USNM	221552	MN-C	AY273835
<i>pinnatus</i>	Minnesota	Sherburne Co.	1885	USNM	241557	MN-C	AY273835
<i>pinnatus</i>	Minnesota	St. Cloud	1888	AMNH	471700	MN-C	AY273835
<i>pinnatus</i>	Minnesota	Sherburne Co.	1884	AMNH	471699	MN-C	EF151048
<i>pinnatus</i>	Minnesota	Ottertail Co.	1912	AMNH	353633	MN-C	AY855254
<i>pinnatus</i>	Minnesota	Ottertail Co.	1912	AMNH	353634	MN-C	AY273862
<i>pinnatus</i>	Minnesota	Aitkin	1927	AMNH	257491	MN-C	EF151049
<i>pinnatus</i>	Minnesota	Aitkin	1927	AMNH	257490	MN-C	EF151049
<i>pinnatus</i>	Minnesota	Aitkin	1903	AMNH	353630	MN-C	AY273832
<i>pinnatus</i>	Minnesota	Aitkin	1903	AMNH	353631	MN-C	EF151036
<i>pinnatus</i>	Minnesota	Ottertail Co.	1909	CUMV	1303	MN-C	AY273832
<i>pinnatus</i>	Minnesota	Ottertail Co.	1909	CUMV	1304	MN-C	AY855248
<i>pinnatus</i>	Minnesota	Kittson Co.	1891	AMNH	55582	MN-NW	AY608327
<i>pinnatus</i>	Minnesota	Marshall Co.	1896	AMNH	353635	MN-NW	AY273849
<i>pinnatus</i>	Minnesota	Kittson Co.	1896	FMNH	131273	MN-NW	AY608327
<i>pinnatus</i>	Minnesota	Roseau Co.	1933	FMNH	157304	MN-NW	AY273832
<i>pinnatus</i>	Minnesota	Roseau Co.	1928	MVZ	144826	MN-NW	AY855255
<i>pinnatus</i>	Missouri	Jefferson Co.	1941	UM	978	MO-E	AY608327
<i>pinnatus</i>	Missouri	Vernon Co.	1958	UM	1331	MO-E	AY273859
<i>pinnatus</i>	Missouri	Jefferson Co.	1940	UM	975	MO-E	AY608327
<i>pinnatus</i>	Missouri	Jefferson Co.	1940	UM	979	MO-E	EF151050
<i>pinnatus</i>	Missouri	Jefferson Co.	1941	UM	984	MO-E	AY608327
<i>pinnatus</i>	Missouri	Jasper Co.	1942	UM	996	MO-SW	AY273832
<i>pinnatus</i>	Missouri	Jefferson Co.	1941	UM	981	MO-SW	EF151051
<i>pinnatus</i>	N. Dakota	Dickey Co.	1915	USNM	259401	SD	AY855251
<i>pinnatus</i>	N. Dakota	Benson Co.	1915	USNM	260360	ND-N	AY855256
<i>pinnatus</i>	N. Dakota	McHenry Co.	1915	USNM	260368	ND-N	AY608327
<i>pinnatus</i>	N. Dakota	McHenry Co.	1915	USNM	260370	ND-N	AY273835
<i>pinnatus</i>	N. Dakota	Walsh Co.	1915	USNM	272698	ND-N	AY273849
<i>pinnatus</i>	N. Dakota	Walsh Co.	1915	USNM	272699	ND-N	AY273835
<i>pinnatus</i>	N. Dakota	Bottinaue Co.	1920	UMMZ	53425	ND-N	AY855257
<i>pinnatus</i>	N. Dakota	Eddy Co.	1922	UMMZ	54447	ND-N	AY273849
<i>pinnatus</i>	N. Dakota	Eddy Co.	1922	UMMZ	54448	ND-N	EF151052
<i>pinnatus</i>	N. Dakota	Towner Co.	1895	FMNH	131306	ND-N	AY855258
<i>pinnatus</i>	N. Dakota	Ramsey Co.	1897	FMNH	16336	ND-N	AY855259
<i>pinnatus</i>	N. Dakota	Nelson Co.	1901	FMNH	131274	ND-N	AY273832
<i>pinnatus</i>	N. Dakota	Pierce Co.	1901	FMNH	131294	ND-N	AY855260

Table S1 (cont.)

Subspecies	State/ Province	County/ location	Date	Museum <sup>1</sup>	Museum ID	Pop ID	Accession number
<i>pinnatus</i>	N. Dakota	Towner Co.	1902	FMNH	131304	ND-N	AY273835
<i>pinnatus</i>	Nebraska	Kearney Co.	1859	USNM	A13396	KS/NE (SE)	EF151026
<i>pinnatus</i>	Nebraska	Saline Co.	1880	UMMZ	99635	KS/NE (SE)	EF151026
<i>pinnatus</i>	Nebraska	Garden Co.	1936	USNM	588736	NE-C	AY273835
<i>pinnatus</i>	Nebraska	Cherry Co.	1915	USNM	241615	NE-C	AY273864
<i>pinnatus</i>	Nebraska	Lincoln Co.	1923	USNM	311730	NE-C	AY273832
<i>pinnatus</i>	Nebraska	Garden Co.	1925	UMMZ	56899	NE-C	EF151053
<i>pinnatus</i>	Nebraska	Garden Co.	1925	UMMZ	56900	NE-C	EF151026
<i>pinnatus</i>	Nebraska	Thomas Co.	1906	AMNH	95397	NE-C	EF151054
<i>pinnatus</i>	Nebraska	Cherry Co.	1921	FMNH	401013	NE-C	EF151037
<i>pinnatus</i>	Nebraska	Cherry Co.	1921	FMNH	401014	NE-C	AY273846
<i>pinnatus</i>	Nebraska	Cherry Co.	1921	FMNH	401015	NE-C	EF151055
<i>pinnatus</i>	Nebraska	Cherry Co.	1921	FMNH	401016	NE-C	EF151056
<i>pinnatus</i>	Nebraska	Cherry Co.	1921	FMNH	401017	NE-C	AY273842
<i>pinnatus</i>	Nebraska	Cherry Co.	1921	FMNH	401018	NE-C	AY855250
<i>pinnatus</i>	Nebraska	Cherry Co.	1921	FMNH	401019	NE-C	EF151057
<i>pinnatus</i>	Nebraska		1905	AMNH	751211	NE-C	AY273852
<i>pinnatus</i>	Oklahoma	Canadian Co.	1890	USNM	118362	OK	AY273832
<i>pinnatus</i>	S. Dakota	Day Co.	1932	USNM	479292	SD	AY273864
<i>pinnatus</i>	S. Dakota	Day Co.	1932	USNM	479293	SD	AY273864
<i>pinnatus</i>	S. Dakota	Marshall Co.	1922	FMNH	401536	SD	AY273832
<i>pinnatus</i>	S. Dakota	Moody Co.	1882	AMNH	80401	SD	AY273829
<i>pinnatus</i>	S. Dakota	Moody Co.	1882	AMNH	8400	SD	AY273835
<i>pinnatus</i>	S. Dakota	Moody Co.	1888	AMNH	458905	SD	AY273829
<i>pinnatus</i>	Wisconsin	Burnett Co.	1939	UMMZ	109723	MN-C	EF151058
<i>pinnatus</i>	Wisconsin	Burnett Co.	1928	CUMV	1312	MN-C	EF151059
<i>pinnatus</i>	Wisconsin	Walworth Co.	1929	FMNH	331531	IL-N	AY608327
<i>pinnatus</i>	Wisconsin	Adams Co.	1928	CUMV	1307	WI-S	EF151024
<i>pinnatus</i>	Wisconsin	Sauk Co.	1929	CUMV	1308	WI-S	AY273832
<i>pinnatus</i>	Wisconsin	Sauk Co.	1929	CUMV	1309	WI-S	AY855261
<i>pinnatus</i>	Wisconsin	Waushara Co.	1928	CUMV	1311	WI-S	AY855262

<sup>1</sup> AMNH, American Museum of Natural History (New York, NY); CUMV, Cornell University Museum of Vertebrates (Ithaca, NY); FMNH, Field Museum of Natural History (Chicago, IL); INHS, Illinois Natural History Survey (Champaign, IL); MVZ, Museum of Vertebrate Zoology (Berkeley, CA); UM, University of Missouri-Columbia; UMMZ, University of Michigan Museum of Zoology (Ann Arbor, MI); USNM, United States National Museum of Natural History (Washington, D.C.); TX A&M, Texas A&M University (College Station, TX).