

Supplementary Table 1: Snake sampling and tissue use.

Species	Genotype	Snake ID	Transient	Tetanus	County	State
<i>Thamnophis atratus</i>	ancestral	CRF3359	Yes	No	Del Norte	California
<i>Thamnophis atratus</i>	ancestral	CRF3613	Yes	Yes	Shasta	California
<i>Thamnophis atratus</i>	ancestral	CRF3614	Yes	Yes	Shasta	California
<i>Thamnophis atratus</i>	ancestral	CRF3615	Yes	Yes	Shasta	California
<i>Thamnophis atratus</i>	ancestral	CRF3605	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3606	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3607	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3608	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3609	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3610	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3611	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3617	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3618	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3619	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3620	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	ancestral	CRF3621	Yes	Yes	Siskiyou	California
<i>Thamnophis atratus</i>	EPN	EJE125	Yes	Yes	Alameda	California
<i>Thamnophis atratus</i>	EPN	EJE126	Yes	Yes	Alameda	California
<i>Thamnophis atratus</i>	EPN	CRF3106	Yes	Yes	Santa Cruz	California
<i>Thamnophis atratus</i>	EPN	CRF3107	Yes	Yes	Santa Cruz	California
<i>Thamnophis atratus</i>	EPN	CRF3109	Yes	Yes	Santa Cruz	California
<i>Thamnophis atratus</i>	EPN	CRF3111	Yes	Yes	Santa Cruz	California
<i>Thamnophis atratus</i>	EPN	CRF3112	Yes	Yes	Santa Cruz	California
<i>Thamnophis atratus</i>	EPN	JSR012	Yes	Yes	Santa Cruz	California
<i>Thamnophis atratus</i>	EPN	JSR013	Yes	Yes	Santa Cruz	California
<i>Thamnophis atratus</i>	EPN	JSR037	Yes	Yes	Santa Cruz	California
<i>Thamnophis atratus</i>	EPN	CRF3110	No	Yes	Santa Cruz	California
<i>Thamnophis sirtalis</i>	ancestral	CRF2458C	Yes	Yes	Captive Birth	California*
<i>Thamnophis sirtalis</i>	ancestral	CRF2458D	Yes	Yes	Captive Birth	California*
<i>Thamnophis sirtalis</i>	ancestral	CRF2462C	Yes	Yes	Captive Birth	California*
<i>Thamnophis sirtalis</i>	ancestral	CRF2519E	Yes	Yes	Captive Birth	California*
<i>Thamnophis sirtalis</i>	ancestral	CRF2523D	Yes	Yes	Captive Birth	California*
<i>Thamnophis sirtalis</i>	ancestral	CRF2523G	Yes	Yes	Captive Birth	California*
<i>Thamnophis sirtalis</i>	ancestral	CRF3215	Yes	No	Fresno	California
<i>Thamnophis sirtalis</i>	ancestral	MTJH390	Yes	No	Humboldt	California
<i>Thamnophis sirtalis</i>	ancestral	MTJH394	Yes	No	Humboldt	California
<i>Thamnophis sirtalis</i>	ancestral	MTJH399	Yes	Yes	Humboldt	California
<i>Thamnophis sirtalis</i>	ancestral	MTJH402	Yes	Yes	Humboldt	California
<i>Thamnophis sirtalis</i>	ancestral	MTJH430	Yes	Yes	Lane	Oregon
<i>Thamnophis sirtalis</i>	ancestral	CRF2459	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	ancestral	MTJH381	Yes	No	Mendocino	California
<i>Thamnophis sirtalis</i>	ancestral	MTJH384	Yes	No	Mendocino	California
<i>Thamnophis sirtalis</i>	ancestral	REdC10	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	ancestral	REdC4	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	ancestral	Wills06	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	ancestral	CRF2465	No	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	ancestral	EJE190	Yes	Yes	Nevada	California
<i>Thamnophis sirtalis</i>	ancestral	EJE191	Yes	No	Nevada	California
<i>Thamnophis sirtalis</i>	ancestral	CRF2417	Yes	Yes	Placer	California
<i>Thamnophis sirtalis</i>	ancestral	CRF3311	Yes	No	Sierra	California
<i>Thamnophis sirtalis</i>	ancestral	CRF3041	Yes	Yes	Siskiyou	California
<i>Thamnophis sirtalis</i>	LVNV	CRF2399a	No	Yes	Captive Birth	California*
<i>Thamnophis sirtalis</i>	LVNV	CRF2941	Yes	Yes	Contra Costa	California
<i>Thamnophis sirtalis</i>	LVNV	HOP02	Yes	No	Mendocino	California
<i>Thamnophis sirtalis</i>	LVNV	REdC1	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	LVNV	REdC2	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	LVNV	REdC5	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	LVNV	REdC6	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	LVNV	REdC8	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	LVNV	REdC9	Yes	Yes	Mendocino	California
<i>Thamnophis sirtalis</i>	LVNV	CRF2399	Yes	Yes	Napa	California
<i>Thamnophis sirtalis</i>	LVNV	CRF3275	Yes	No	Napa	California
<i>Thamnophis sirtalis</i>	LVNV	REdC7	Yes	Yes	Sonoma	California
Ancestral <i>Thamnophis atratus</i>		16	16	15	Del Norte, Shasta, Siskiyou	California
TTX-resistant <i>T. atratus</i> (EPN)		11	10	11	Alameda, Santa Cruz	California
Ancestral <i>Thamnophis sirtalis</i>		24	23	17	Fresno, Humboldt, Mendocino, Nevada, Placer, Sierra, Siskiyou; Captive Birth; Lane	California, Oregon
TTX-resistant <i>T. sirtalis</i> (LVNV)		12	11	10	Mendocino, Napa, Sonoma; Captive Birth	California, Captive Birth
Σ		63	44	38	15	2

Note: "*" indicates captive born snakes mother was sampled from the state recorded.

Note: Skeletal muscles were dissected from the individuals here and used to record a transient contraction and/or a sustained, tetanic contraction.