

Supplementary Materials: Subtype Specificity of β -Toxin Tf1a from *Tityus fasciolatus* in Voltage Gated Sodium Channels

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Table S1. Open probability (q_O) of the activation phase without prepulse. V_g is the voltage corresponding to half-maximal activation in the experiments without use of prepulse. Data are represented by mean and standard error.

	V_g Control (mV)	V_g Toxin (mV)
	Mean	Mean
HNav1.1	-20.23 ± 2.27	-27.92 ± 2.99
hNav1.2	-17.21 ± 1.90	-23.97 ± 1.53
hNav1.3	-12.94 ± 2.14	-16.60 ± 1.80
hNav1.4	-18.86 ± 1.64	-25.83 ± 3.42
hNav1.5	-39.57 ± 2.53	-43.30 ± 2.38
hNav1.6	-24.16 ± 2.63	-32.52 ± 2.77
hNav1.7	-14.50 ± 4.21	-23.28 ± 2.76

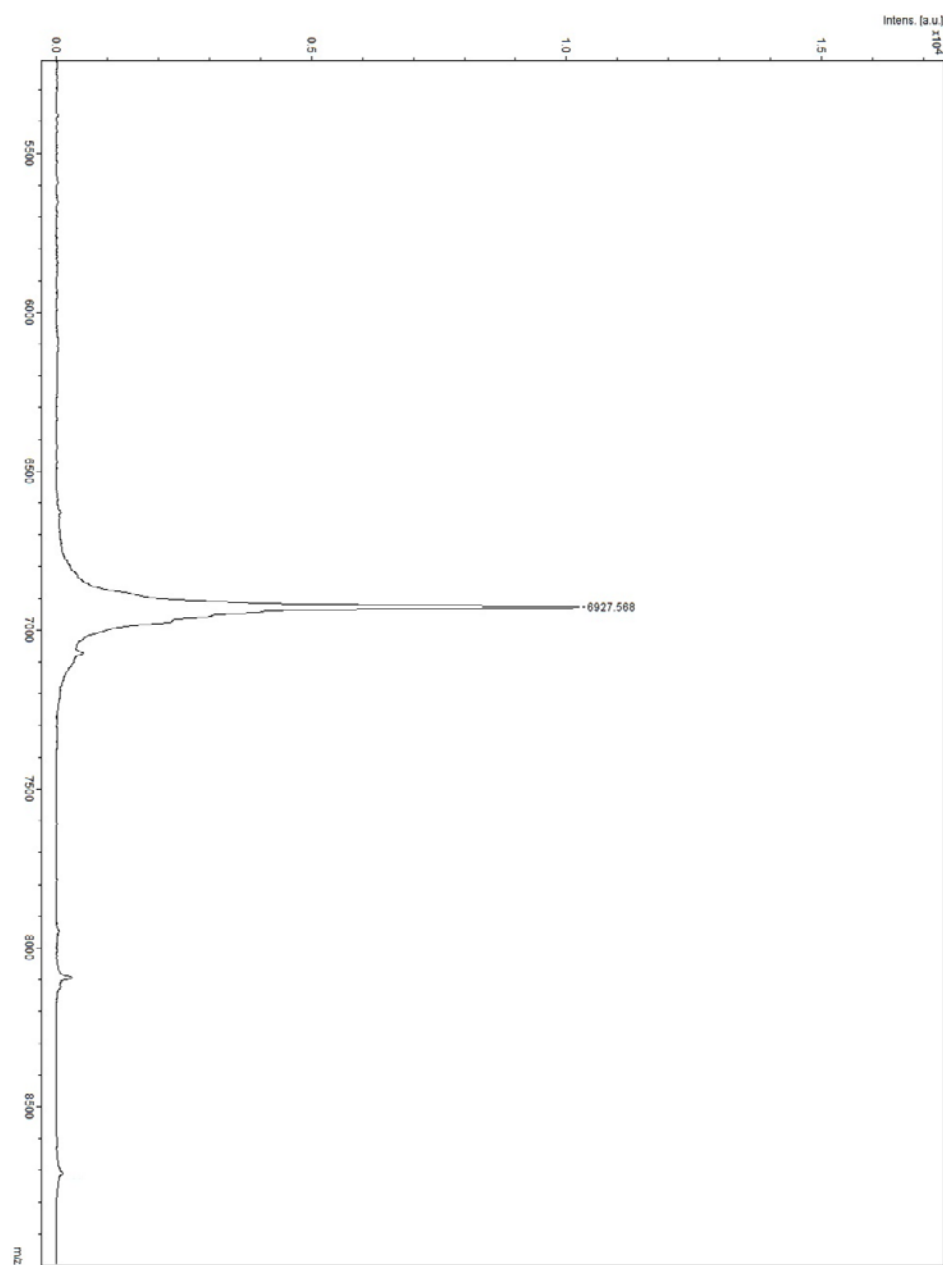


Figure S1. Average mass ($[M+H]^+$) of the fraction corresponding to the toxin Tf1a.

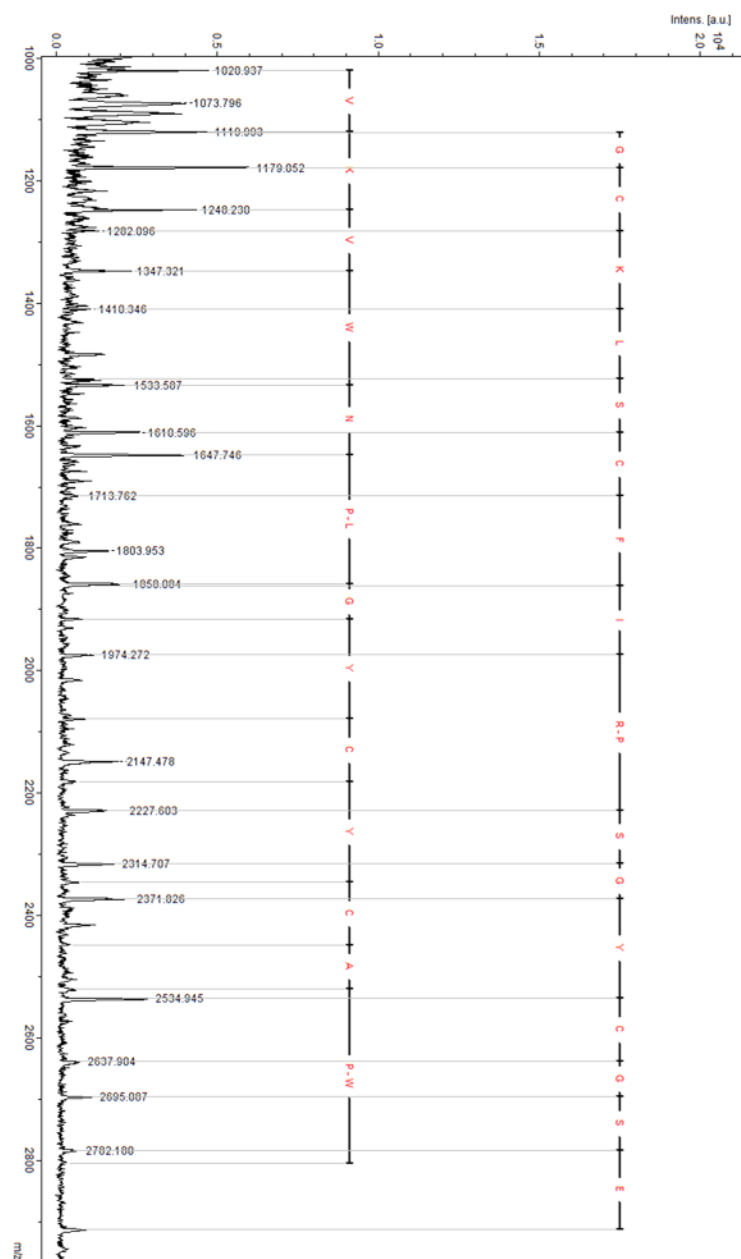


Figure S2. Partial sequence of the fraction of interest corresponding to the toxin Tf1a.

RNA Library Sequence- KEGYLM DHEGCKLSCFIRPSGYCGSECKIKKGSSSGYCAWPACYCYGLPNWVKVWERATNRC
Partial Sequence- -----GCKLSCFIRPSGYCGSE-----WPACYCYGLPNWVKV-----

Figure S3. Comparison between RNA library sequence and the partial sequence obtained by ISD method.

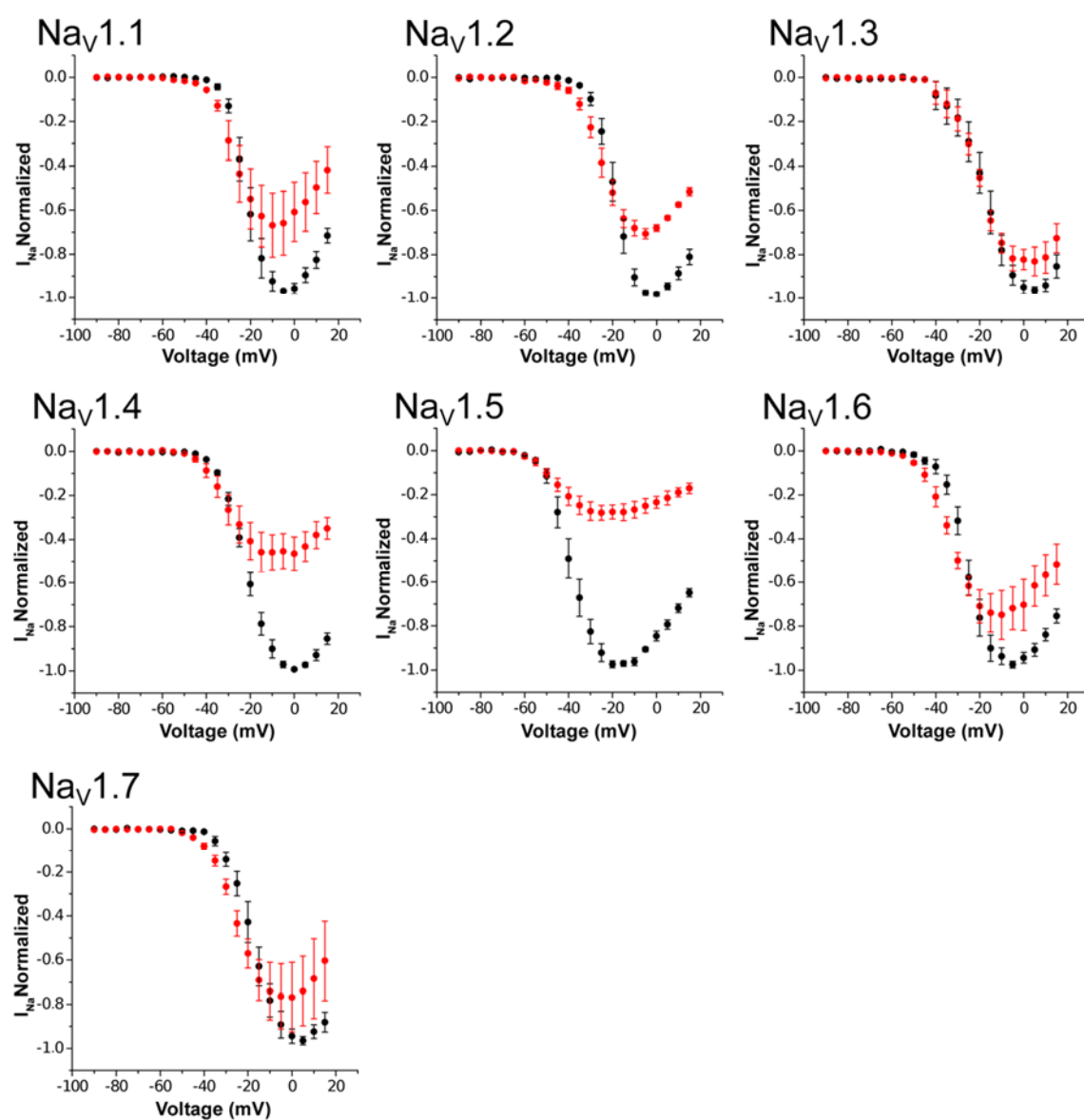


Figure S4. Voltage-current relationship (IV) from human Na_v isoforms tested. Red traces represent the presence of 100 nM of Tf1a and black trace the control condition.