

Table S1. Glmm fixed effects results tables for detection (presence/absence) of Brevinin-1Sb, Brevinin-1Sc and Temporin-1S.

Brevinin-1Sb				
Source of Variation	F	df1	df2	P
exposure group	1.632	1	63	0.206
Temperature group	5.912	1	63	0.018
day	0.328	3	26	0.805
exposure x temperature	0.792	1	63	0.377
exposure x day	1.576	3	26	0.219
Temperature x day	3.431	3	26	0.032
exposure x temperature x day	7.117	3	26	0.001

Brevinin-1Sc				
Source of Variation	F	df1	df2	P
exposure group	96.245	1	26	< 0.001
Temperature group	32.873	1	26	< 0.001
day	16.901	2	15	< 0.001
exposure x temperature	0.891	1	26	0.354
exposure x day	99.618	3	15	< 0.001
Temperature x day	101.598	3	15	< 0.001
exposure x temperature x day	17.491	3	15	< 0.001

Temporin-1S				
Source of Variation	F	df1	df2	P
exposure group	0.226	1	56	0.636
Temperature group	4.461	1	56	0.039
day	2.950	3	50	0.042
exposure x temperature	0.139	1	56	0.711
exposure x day	2.004	3	50	0.125
Temperature x day	2.958	3	50	0.041
exposure x temperature x day	0.963	3	50	0.418

Table S2. Lmm for frog body mass by temperature, peptide treatment, and exposure group

Source of Variation	F	df1	df2	P
exposure group	3.006	1	212	0.084
peptide group	0.024	1	212	0.877
temperature group	31.556	1	212	< 0.001
exposure x peptide	0.737	1	212	0.391
exposure x temperature	0.930	1	212	0.336
peptide x temperature	0.003	1	212	0.958
exposure x peptide x temperature	0.248	1	212	0.619

Table S3. Lmm for total peptides expressed by temperature and exposure group

Source of Variation	F	df1	df2	P
exposure group	2.365	1	15.802	0.114
temperature group	0.885	1	15.802	0.361
exposure x temperature	6.904	1	15.802	0.018

Table S4. Glmm for detection of brevinin-1Sa in sham-infected frogs by temperature and date (Fig. 4B)

Source of Variation	F	df1	df2	P
temperature group	9.315	1	10	0.012
day	2.808	3	14	0.078
temperature group x day	4.207	3	14	0.025

Table S5. Glmm for relative intensity of brevinin-1Sa in sham-infected frogs by temperature and date (Fig. 4D)

Source of Variation	F	df1	df2	P
temperature group	69.266	1	5	< 0.001
day	46.046	3	54	< 0.001
temperature group x day	34.698	3	54	< 0.001

Table S6. Glmm for *Bd* load among temperature and peptide treatment groups

Source of Variation	F	df1	df2	P
temperature group	137.151	1	6	< 0.001
peptide group	0.492	1	6	0.509
temperature x peptide	1.235	1	6	0.309

Table S7. Glmm for detection of brevinin-1Sa in peptide-depleted frogs at 26 °C by exposure group

Source of Variation	F	df1	df2	P
exposure group	0.366	1	24	0.551
day	2.344	3	57	0.083
exposure x day	3.108	3	57	0.033

Table S8. Glmm for relative intensity of brevinin-1Sa in peptide-depleted frogs at 26 °C by exposure group (Fig. 5C)

Source of Variation	F	df1	df2	P
exposure group	8.249	1	52	0.006
day	12.341	3	52	< 0.001
exposure x day	2.811	3	22	0.048