

Supplementary Materials: Venomic, Transcriptomic and Bioactivity Analysis of *Pamphobeteus verdolaga* Venom Reveal Complex Disulfide Rich Peptides that Modulate Calcium Channels

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Profiling the peptide content of *Pamphobeteus verdolaga* venom

Table S1. Trinity assembly summary statistics of de novo reference transcriptome for venom gland of *Pamphobeteus verdolaga*.

Parameter	Number
Total number of high quality assembled paired-end reads	46,598,494
Total trinity transcripts	78088
Total trinity 'genes'	68,402
Average 'genes' length (pb)	559
Total GC count (%)	39.19
N50	849
Longest contig (bp)	13,249
Shortest contig	201
Number of contigs 200–999 bp	67,124
Number of contigs 1000–4999 bp	10,717
Number of contigs 5000–9999 bp	242
Number of contigs 10,000–13,299 bp	5
Number of predict ORF (transdecoder)	16,042

Base pair length distribution.

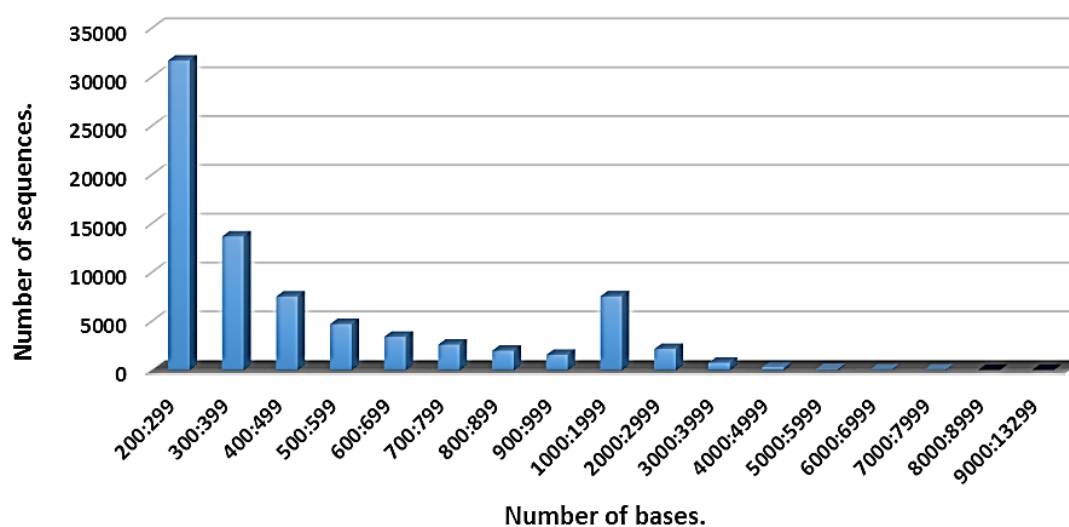


Figure S1. Base pair length distribution of transcripts from *Pamphobeteus verdolaga* venom gland.

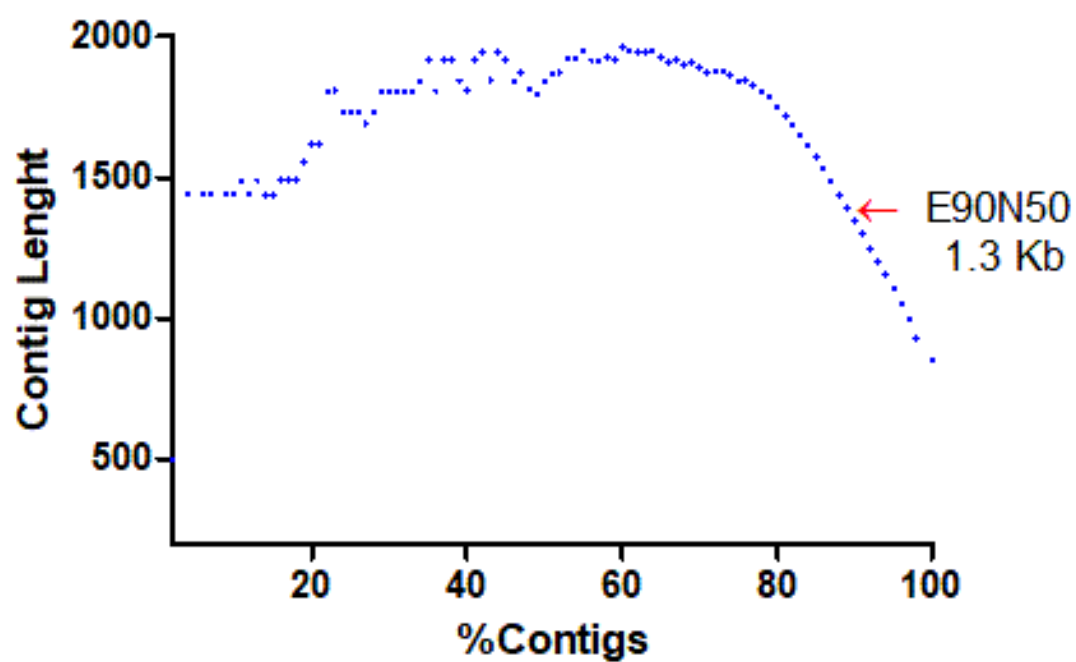


Figure S2. E90N50 statistic for de novo reference transcriptome of *Pamphobeteus verdolaga*. The reference transcriptome has an E90N50 of ~1.3 kb (red arrow).