

**Table S1.** Antimicrobial peptides from Hemiptera species used to query *Ericerus pela* genome.

Organism	NCBI protein ID	Gene name	<i>D. melanogaster</i> NCBI protein ID	<i>A. pisum</i> NCBI protein ID	Best matches (e-value)
<i>Cicada flammata</i>	P83282.1	cicadin	not found	not found	not found
<i>Cryptotympana dubia</i>	P85028.1	cryptonin	not found	not found	not found
<i>Palomena prasina</i>	P80411.1	metanikowin-3	not found	not found	not found
<i>Peregrinus maidis</i>	WMM65954.1	lugensin	not found	not found	not found
<i>Plautia stali</i>	BBE08155.1	hemiptericin	not found	not found	not found
	BDD37282.1	pentatomicin	not found	not found	not found
<i>Podisus maculiventris</i>	AAB36066.1	thanatin	not found	not found	not found
<i>Pyrrhocoris apterus</i>	4EZN_D	pyrrhocoricin	not found	not found	not found