Supplemental Table 1: Selected arthropod ILP sequences (fragments or complete sequences) identified via tBLASTn searches of the NCBI database with a focus on arachnid ILP sequences. Sequences from *I. scapularis* are noted in red with corresponding ILP nomenclature from this study.

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| --- | --- | --- | --- | --- |
| Class | Order | Family | Species | Accession # |
| Arachnida | Scorpiones | Buthidae | *Isometrus maculatus* | EU252378 |
| *Centruroides exilicauda* | AXZI01120476 AXZI01196488 AXZI01196487 AXZI01180220 |
| *Mesobuthus martensii* | AYEL01069806 |
| *Tityus serrulatus* | GBZU01012395.1GBZU01008129.1 |
| Araneae | Theridiidae | *Latrodectus hesperus* | GBJN01163744.1 GBJN01143433.1 |
| Eresoidea | *Stegodyphus mimosarum* | GAZR01025972 GAZR01004432 |
| Lycosidae | *Pardosa pseudoannulata* | GCKE01037689.1 GCVS01019250.1 |
| Sicariidae | *Loxosceles reclusa* | JJRW010362599.1 |
| Theraphosidae | *Acanthoscurria geniculata* | AZMS0104802491.1 GAZS01041613 |
| Opiliones | Phalangiidae | *Phalangium opilio* | GDAO01000770.1 |
| Solfugae | Daesiidae | *Gluvia dorsalis* | GDAP01001472.1 GDAP01007548.1 |
| Amblypygi | Phrynichidae | *Euphrynichus bacillifer* | GDAJ01000444.1 |
| Pseudoscorpionida | Cheliferidae | *Chelifer cancroides* | GDAK01003762.1 |
| Acari | Argasidae | *Ornithodoros turicata* | GDIC01001879.1 |
| Phytoseiidae | *Metaseiulus occidentalis* | XM\_003743122 |
| Ixodidae | *Amblyomma variegatum* | BK007652 |
| *Dermacentor variabilis* | EU616823 |
| *Rhipicephalus annulatus* | GBJT01013022.1 |
| *Ixodes scapularis* | XM\_002402930: IsILP1GBBN01011597: IsILP3 GBBN01019325: IsILP4 EL515756: IsILP5  |
| *Ixodes ricinus* | GCJO01021265.1 GANP01013821 |
| Tetranychidae | *Tetranychus urticae* | GW057456 GW063394 JR696562 |
| *Panonychus ulmi* | GCAC01006825 |
| Achipteriidae | *Achipteria coleoptrata* | LBFM01021513 |
| Hypochthoniidae | *Hypochthonius rufulus* | LBFL01049295 |
| Camisiidae | *Platynothrus peltifer* | LBFO01006606 |
| Sarcoptidae | *Sarcoptes scabiei* | JXLN01013560 |
| Pyroglyphidae | *Dermatophagoides farinae* | ASGP01001954 |
| Merostomata | Xiphosura | Limulidae | *Limulus polyphemus* | FN226896 XM\_013916704 XM\_013929606 XM\_013919035 XM\_013916808 AZTN01177337 |