**Figure 1 – source data 1.** Accession numbers for precursors of the neuropeptides shown in the sequence alignment in Figure 1.

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| --- | --- | --- |
| **Precursor/Peptide name** | **Species name** | **Accession number or PubMed reference ID** |
| CCK | *Aplysia californica* | XP\_005096263.1 |
| SK/CCK | *Asterias rubens* | ALJ99958 |
| NP12 | *Caenorhabditis elegans* | O01970 |
| Cionin | *Ciona intestinalis* | P16240 |
| CCK | *Crassostrea gigas* | EKC26412.1 |
| SK | *Drosophila melanogaster* | P09040 |
| CCK | *Homo sapiens* | P06307 |
| Gastrin | *Homo sapiens* | P01350 |
| SK/CCK | *Ophionotus victoriae* | ASK86241 |
| CCK | *Platynereis dumerilii* | Contig HAMO01025411.1 (transcriptome prediction) |
| SK/CCK | *Strongylocentrotus purpuratus* | PMID: 28878039 (predicted from the genomic scaffold [AAGJ06000007.1](https://www.ncbi.nlm.nih.gov/nuccore/AAGJ06000007)) |
| SK/CCK | *Stichopus horrens* | [HAMZ01045944.1](https://www.ncbi.nlm.nih.gov/nuccore/HAMZ01045944) (transcript) |
| SK/CCK | *Saccoglossus kowalevskii* | XM\_002738068.2 |
| SK | *Tribolium castaneum* | D6WP08 |