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| --- | --- | --- |
| **Precursor/peptide name** | **Species name**  | **Accession number or reference** |
| PrRP-like | *Asterias rubens*  | QBB78493.1 |
| PrRP-like | *Acanthaster planci* | XP\_022086679.1 |
| PrRP-like | *Amphiura filiformis* | (Zandawala et al. 2017) |
| PrRP-like | *Strongylocentrotus purpuratus* | XP\_001176371.1 |
| PrRP-like | *Saccoglossus kowalevskii* | XP\_002737055.1 |
| PrRP-like | *Saccoglossus kowalevskii* 2 | Personal communication |
| PrRP | *Homo sapiens* | AAH69284.1 |
| PrRP | *Python bivittatus* | XP\_025027440.1 |
| PrRP | *Lepisosteus oculatus* | ALD51284.1 |
| PrRP | *Latimeria chalumnae* | XP\_006008888.1 |
| PrRP | *Paramormyrops kingsleyae* | XP\_023653061.1 |
| PrRP | *Petromyzon marinus* | ALD51287.1 |
| PrRP | *Branchiostoma floridae* | XP\_002595875.1 |
| NPY/NPF | *Saccoglossus kowalevskii* | XP\_002741972.1 |
| NPY/NPF | *Homo sapiens* | NP\_000896.1 |
| NPY/NPF | *Gallus gallus* | [NP\_990804.1](https://www.ncbi.nlm.nih.gov/protein/NP_990804.1?report=genbank&log$=protalign&blast_rank=1&RID=91GYMWZP014" \t "lnk91GYMWZP014" \o "Show report for NP_990804.1) |
| NPY/NPF | *Danio rerio* | NP\_571149.1 |
| NPY/NPF | *Branchiostoma floridae* | XP\_002609542.1 |
| NPY/NPF | *Monieza expansa* | MH347240.1 |
| NPY/NPF | *Schmidtea mediterranea*  | ADC84429.1 |
| NPY/NPF | *Octopus bimaculoides* | XP\_014777727.1 |
| NPY/NPF | *Crassostrea gigas* | XP\_011448178.1 |
| NPY/NPF | *Lymnaea stagnalis* | CAB63265.1 |
| NPY/NPF | *Helobdella robusta* | XP\_009026400.1 |
| NPY/NPF | *Platynereis dumerilii* | GBZT01002538.1 (predicted from mRNA) |
| NPY/NPF | *Priapulus caudatus* | XP\_014681442.1 |
| NPY/NPF | *Anopheles gambiae* | XP\_315165.3 |
| NPY/NPF | *Drosophila melanogaster* | XP\_001953779 |
| NPY/NPF | *Stomoxys calcitrans* | XP\_013099916.1 |
| NPY/NPF | *Zootermopsis nevadensis* | XP\_021923461.1 |
| NPY/NPF | *Caenorhabditis elegans* | NP\_495111.1 |

**Figure 1 – source data 1. Accession numbers of the precursor sequences used for the peptide alignments in Figure 1.**