**Figure 2 – source data 1.** Accession numbers of the sequences used for the gene structure analysis in Figure 2 and Figure 2 - figure supplement 1.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene name** | **Species name** | **mRNA** | **Protein** | **Genome** |
| PrRP-like | *Acanthaster planci* | XM\_022230987.1 | XP\_022086679.1 | NW\_019091356.1 |
| PrRP-like | *Strongylocentrotus purpuratus* | XM\_001176371.3 | XP\_001176371.1 | NW\_011971016.1 |
| PrRP-like | *Saccoglossus kowalevskii* | XM\_002737009.1 | XP\_002737055.1 | NW\_003134358.1 |
| PrRP-like | *Saccoglossus kowalevskii 2* |  | Personal communication | NW\_003156735.1 |
| PrRP | *Homo sapiens* | BC069284.1 | AAH69284.1 | Whole genome accessible with NCBI SPLIGN tool |
| PrRP | *Gallus gallus* | NM\_001082419.1 | NP\_001075888.1 | Whole genome accessible with NCBI SPLIGN tool |
| PrRP | *Python bivittatus* | XM\_025171672.1 | XP\_025027440.1 | NW\_006532108.1 |
| PrRP | *Danio rerio* | NM\_001245985.1 | NP\_001232914.1 | Whole genome accessible with NCBI SPLIGN tool |
| PrRP | *Branchiostoma floridae* | XM\_002595829.1 | XP\_002595875.1 | ABEP02025055.1 |
| NPY/NPF | *Saccoglossus kowalevskii* | XM\_002741926.2 | XP\_002741972.1 | NW\_003156735.1 |
| NPY/NPF | *Homo sapiens* | NM\_000905.4 | NP\_000896.1 | Whole genome accessible with NCBI SPLIGN tool |
| NPY/NPF | *Gallus gallus* | NM\_205473.1 | [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) | Whole genome accessible with NCBI SPLIGN tool |
| NPY/NPF | *Danio rerio* | NM\_131074.2 | NP\_571149.1 | Whole genome accessible with NCBI SPLIGN tool |
| NPY/NPF | *Branchiostoma floridae* | XM\_002609496.1 | XP\_002609542.1 | NW\_003101541.1 |
| NPY/NPF | *Octopus bimaculoides* | XM\_014922241.1 | XP\_014777727.1 | NW\_014672493.1 |
| NPY/NPF | *Crassostrea gigas* | XM\_011449876.2 | XP\_011448178.1 | NW\_011936732.1 |
| NPY/NPF | *Helobdella robusta* | XM\_009028152.1 | XP\_009026400.1 | NW\_008705278.1 |
| NPY/NPF | *Priapulus caudatus* | XM\_014825956.1 | XP\_014681442.1 | NW\_014577064.1 |
| NPY/NPF | *Anopheles gambiae* | XM\_315165.4 | XP\_315165.3 | NT\_078266.2 |
| NPY/NPF | *Caenorhabditis elegans* | NM\_062710.5 | NP\_495111.1 | NC\_003280.10 |