**Supplementary Table ST1. GenBank accession identification numbers for sequences coding CAP-domain containing proteins in the Opisthorchiidae liver flukes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Pfam** | **GB\_ID\_*O. felineus*** | **GB\_ID\_*C. sinensis*** | **GB\_ID\_*O. viverrini*** |
| CAP1 (CAP, Cysteine-rich secretory protein family) | PF00188\_ (CAP) Cysteine-rich secretory protein family\_1.6e-22 | [GBJA01004127.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01004127) | KAG5450240.1 | [XM\_009165981.1](https://www.ncbi.nlm.nih.gov/nucleotide/XM_009165981.1?report=genbank&log$=nucltop&blast_rank=1&RID=0YUJ1KZ8016) |
| CAP2 | PF00188.24 | [GBJA01012405.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01012405) | ACI45970.1 | XM\_009165035.1 |
| CAP3 | PF00188.24 | [GBJA01002098.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01002098) | GAA55503.1 | [XM\_009175265.1](https://www.ncbi.nlm.nih.gov/nucleotide/XM_009175265.1?report=genbank&log$=nucltop&blast_rank=1&RID=0YVVFJ4S013) |
| CAP4 | PF00188.24 | [GBJA01006681.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01006681) | GAA47687.1 | OON17896.1 |
| CAP5 | PF00188.24 | [GBJA01008115.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01008115) | GAA53211.1 | OON16207.1 |
| CAP6 | PF00188.24 | [GBJA01004769.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01004769) | GAA53308.1 | [XM\_009176786.1](https://www.ncbi.nlm.nih.gov/nucleotide/XM_009176786.1?report=genbank&log$=nucltop&blast_rank=1&RID=0YV1C6RD013) |
| CAP7 | PF00188.24 | [GBJA01005469.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01005469) | GAA54368.1 | XM\_009167690.1 |
| CAP8 | PF00188.24 | [GBJA01006659.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01006659) | AWV55762.1 | OON20584.1 |
| CAP9 | PF00188.24 | [GBJA01001809.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01001809) | GAA47945.1 | [XM\_009165065.1](https://www.ncbi.nlm.nih.gov/nucleotide/XM_009165065.1?report=genbank&log$=nucltop&blast_rank=1&RID=0YV9GEC6013) |
| CAP10 | PF00188.24 | [GBJA01001443.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01001443) | KAG5450241.1 | [XM\_009165066.1](https://www.ncbi.nlm.nih.gov/nucleotide/XM_009165066.1?report=genbank&log$=nucltop&blast_rank=1&RID=0YVBC3PR013) |
| CAP11 | PF00188.24 | [GBJA01010152.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01010152) | GAA52921 | OON18604.1 |
| CAP12 | PF00188.24 | [GBJA01010511.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01010511) | GAA47686.1 | OON17466.1 |
| CAP13 | PF00188.24 | [GBJA01004329.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01004329) | KAG5442576.1 | OON24038.1 |
| CAP14 | PF00188.24 | [GBJA01010417.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01010417) | KAG545241.1 | OON19314.1 |
| CAP15 | PF00188.24 | [GBJA01000866.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01000866) | GAA51555.1 | OON24037.1 |
| CAP16 | PF00188.24 | [GBJA01001496.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01001496) | GAA42385.1 | OON15976.1 |
| CAP17 | PF00188.24 | [GBJA01007170.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01007170) | GAA49676.1 | OON17461.1 |
| CAP18 | PF00188.24 | [GBJA01008283.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01008283) | GAA54276.1 | [XM\_009167326.1](https://www.ncbi.nlm.nih.gov/nucleotide/XM_009167326.1?report=genbank&log$=nucltop&blast_rank=1&RID=0YVYA1HT013) |
| CAP19 | PF00188.24 | [GBJA01008141.1](https://www.ncbi.nlm.nih.gov/nuccore/GBJA01008141) | EU780120.1 | [XM\_009166148.1](https://www.ncbi.nlm.nih.gov/nucleotide/XM_009166148.1?report=genbank&log$=nucltop&blast_rank=1&RID=0YVZKSE9016) |

Sequences contain a PF00188 (CAP) Cysteine-rich secretory protein family domain (E-value < 1e-4).