|  |  |  |
| --- | --- | --- |
| **Gene Name** | **Mature host-defence peptide name** | **Uniprot Accession Number** |
| *CATHL1* | Bactenecin (Bac)1, cyclic dodecapeptide | P22226 |
| *CATHL2* | Bac5 | P19660 |
| *CATHL3* | Bac7 | P19661 |
| *CATHL4* | Indolicidin | P33046 |
| *CATHL5* | Bovine Myeloid Antimicrobial Peptide (BMAP)-28 | P54229 |
| *CATHL6* | BMAP-27 | P54228 |
| *CATHL7* | BMAP-34 | P56425 |
| *CATHL9* | Bac4 |   |

**Additional file 1b: Gene-specific oligonucleotide primers used for qRT-PCR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Gene Symbol | Gene Name | Forward primer (5'-'3) | Reverse primer (5'-'3) | Amplicon size (bp) | Accession Number |
| *CATHL1* | Cathelicidin 1 | ATCACCTGTAATAATCACCAGAGCAT | CCCTTAGGACTCTGCTGGCTTA | 150 | NM\_174825 |
| *CATHL2* | Cathelicidin 2 | GAGAATGGGCTGGTGAAACAG | GTTATCTGCCTATTGTTCACCGTCTA | 250 | NM\_174826 |
| *CATHL3* | Cathelicidin 3 | CAGAAGCTAATCTCTACCGCCT | CTCTGAAGCTCATTACAGTTTAAGT | 238 | NM\_174001 |
| *CATHL4* | Cathelicidin 4 | GACCCACCTCCCAAGGATAATG | TTGAAGTCACACTGCTCCGC | 116 | NM\_174827 |
| *CATHL5* | Cathelicidin 5 | GGAGAATGGGCTGCTGAAAG | CACAGCACAGGTGATGTCG | 83 | NM\_174510 |
| *CATHL6* | Cathelicidin 6 | GGAGGACGATGAGAACCCAAA | AGTAGCGGAATGACTGGAGAAAGT | 270 | NM\_174832 |
| *CATHL7* | Cathelicidin 7 | CCCAGAGCAGTGTGACTTCAAG | AGCCCCGCACTCTGAATATTATTA | 120 | NM\_174831 |
| *CATHL8*  | Cathelicidin 8 | TCAGGGTGAAGGAGACTGTG | ACTCGCCTCATTACAATTCCCT | 150 |  |
| *CATHL8*  | Cathelicidin 8 | CGAGCTGAACAGGGAACTTCA | GCCCTGACACTCTGAAGACAG | 71 |  |
| *CATHL9* | Cathelicidin 9 | GAACTTCAGGGTGAAGGAGACC | TCTGAAGCTCATTACAGTTTAGACC | 158 |  |
| *CATHL9* | Cathelicidin 9 | ACTGTAATGAGCTTCAGAGTGTCA | CTTGGCAGTGGTAATGACAATGG | 100 |  |
| *CATHL9* | Cathelicidin 9 | GGAAAATGGGCTGGTGAAACAGTG | CGTTGATGCTGGGGATGAAGTC | 121 |  |
| *GAPDH* | Glyceraldehyde-3-phosphate dehydrogenase | TGAGGACCAGGTTGTCTCCT | GGAGATTCTCAGTGTGGCGG | 273 | NM\_001034034.2 |
| *H3F3A* | H3 histone, family 3A | CATGGCTCGTACAAAGCAGA | ACCAGGCCTGTAACGATGAG | 136 | NM\_001014389 |