**Table S5:** Primer sequences used for RT-PCR amplification

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| --- | --- | --- | --- |
| **Gene** | **Forward Primer** | **Reverse Primer** | **Product (bp)** |
| *hELMOD3\_IsoA* | GTGAACATCACCCACATTGC | GAAAGTGTGGATGGGGAAGA | 295 |
| *hELMOD3\_IsoB-D* | CAATTCCCTTTCTGTTTGATGTC | ACCTGTGAAGGTGAGATCCTTG | 360 |
| *hELMOD3*\_*IsoA* full length | CGAgaattcATGAATGAAAAATCTTGCTCTTTCCATAG | CGAggatccACAGGGACCACACACTCTACCTTGT | 1258 |
| *hELMOD3*\_*IsoB* full length | CGAgaattcATGAATGAAAAATCTTGCTCTTTCCATAG | CGAggatccTCAGCCTTTAAGCCTCCATTCATC | 1177 |
| *hELMOD3*\_*ex9-11*  | TACCTGGTGATGGACTCAAAGAC | CAGGGCAGAGAAAGGAGAACTA | 462 590 |
| *hELMOD3*\_*ex9-12* | TACCTGGTGATGGACTCAAAGAC | CTTCTGGCCCATAGCACTTCT | 400 528 |
| *mElmod3\_ Iso a* | CCTTCTGTTTGATGTCTGTGAACAT | CCTGGACACAGGAGGAAGTG | 233 |
| *mElmod3*\_*Iso b-c* | CCTTCTGTTTGATGTCTGTGAACAT | CCTCCAACAAGGAGGTCTGTC | 297 |
| *mElmod3* | ACACCATCCATCCAGACATAGAG | TTGAGTCCATGACCAGGTAGAGTAG | 438 |
| *mElmod1* | TGAAACGTCACTGAGAGATTCAAA | TATTGCAAATTGTAAAGTCCCAGAA | 396 |
| *mElmod2* | TTCCAAGAATAAGGTCCTACAGAAT | TTCCAACTATTGCATAAGAATACCC | 467 |
| *mGapdh* | TGATGACAAGAAGGTGGTGAAG | TCCTTGGAGGCCATGTAGGCCAT | 230 |