**Table S4:** **Validated human-specific primers used for qPCR** **with no targets in *Mus musculus* and *Bos taurus***.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Gene | Transcript variants | GenBank Number | Exon-exon junction | Target exon(s) | Forward Primer (5’ 🡪 3’) | Reverse Primer (5’ 🡪 3’) | Product Length (bp) |
| *HPRT1* | 1 | NM\_000194.3 | Yes | e6-e8 | CAAAGATGGTCAAGGTCGCA | TCAAATCCAACAAAGTCTGGC | 82 |
| *GUSB* | 1 | NM\_000181.4 | Yes | e3-e5 | CCGGCTCCGAATCACTATCG | TGGTAATTCACCAGCCCACT | 249 |
| *MYC* | 1, 2 | NM\_002467.6,  NM\_001354870.1 | No | e3 | TGTCCCAAGCACTCCTAAGC | CCAGCTGATTCCTACCGTCG | 228 |
| *VCAM1* | 1 | NM\_001078.4 | Yes | e1-e2 | ATTTCACTCCGCGGTATCTGC | GCTTGAGAAGCTGCAAACATTA | 200 |
| *MCL1* | 2 | NM\_182763.3 | Yes | e1b-e3 | TCTCTCGGTACCTTCGGGAG | TCCACAAACCCATCCTTGGAA | 158 |
| *CXCR4* | 4 | NM\_001348059.2 | Yes | e1-e2 | GCTTGGGGGAGGAGATATACA | TGACCAATCCATTGCCCACA | 177 |
| *CCL4* | 1 | NM\_002984.4 | Yes | e2-e3 | GCTGTGGTATTCCAAACCAAAAGA | GTTCAGTTCCAGGTCATACACG | 93 |