**Table S1:** List of primers

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Exon** | **Primer direction** | **Length bp** | **Tm °C** | **Primer sequence** | **Product size/bp** | **PCR annealing temperature** | **PCR protocol** |
| PTH1R\_Ex1\_M13\_FPTH1R\_Ex1\_M13\_R | 1 | FwRev | 3538 | 57.6660.54 | 5'-tgtaaaacgacggccagtGCCAGTGTAGGGCTTGG-3'5'-caggaaacagctatgaccCCAGGGAAACCACAGACTTG-3' | 308 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex2\_M13\_FPTH1R\_Ex2\_M13\_R | 2 | FwRev | 3936 | 60.7660.48 | 5'-tgtaaaacgacggccagtCCACCCTCGTGGAAACTAAAC-3'5'-caggaaacagctatgaccGAAGCGAATGCATGAGGC-3' | 233 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex3\_M13\_FPTH1R\_Ex3\_M13\_R | 3 | FwRev | 3538 | 62.0260.24 | 5'-tgtaaaacgacggccagtCTCCTTTGCGCTGCTCG-3'5'-caggaaacagctatgaccTGCGTGCCTTAGACCTATCC-3' | 400 | 58°C | GC-rich PCR System |
| PTH1R\_Ex4\_M13\_FPTH1R\_Ex4\_M13\_R | 4 | FwRev | 3637 | 60.7260.47 | 5'-tgtaaaacgacggccagtCTCTGGGACCTGCTGCTG-3'5'-caggaaacagctatgaccCTCTGTATCCTGGGTCCCG-3' | 279 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex5\_M13\_FPTH1R\_Ex5\_M13\_R | 5 | FwRev | 3839 | 58.7260.88 | 5'-tgtaaaacgacggccagtTGGGTCTCCTGTTGTAGCAC-3'5'-caggaaacagctatgaccGCTCACATCAGAGGGACAGTG-3' | 307 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex6 7\_M13\_FPTH1R\_Ex6 7\_M13\_R | 6+7 | FwRev | 3835 | 59.0960.03 | 5'-tgtaaaacgacggccagtAATCATGGCCTTGACTCTCC-3'5'-caggaaacagctatgaccGCTGGGTCAGGGGTCAC-3' | 503 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex8\_M13\_FPTH1R\_Ex8\_M13\_R | 8 | FwRev | 3837 | 59.9960.10 | 5’-tgtaaaacgacggccagtCTGACCTTGACTCCTCCAGC-3’5’-caggaaacagctatgaccGGACAGGAAGCTGGGTTGT-3’ | 371 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex9\_M13\_FPTH1R\_Ex9\_M13\_R | 9 | FwRev | 3736 | 60.1060.25 | 5’-tgtaaaacgacggccagtAACCCAGCTTCCTGTCCAC-3’5’-caggaaacagctatgaccACGGGTTTGAGTGGCTGA-3’ | 435 | 58°C | GC-rich PCR System |
| PTH1R\_Ex10\_M13\_FPTH1R\_Ex10\_M13\_R | 10 | FwRev | 3536 | 58.8460.24 | 5'-tgtaaaacgacggccagtAGCCCAGCCCTGACTTC-3'5'-caggaaacagctatgaccCTCTCCCTGTCACCCACG-3' | 315 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex11 12\_M13\_FPTH1R\_Ex11 12\_M13\_R | 11+12 | FwRev | 3738 | 60.1759.70 | 5'-tgtaaaacgacggccagtGGGGAATGACCTTGTGGAC-3'5'-caggaaacagctatgaccAAGCCTCCTAGGTCCCTGTC-3' | 644 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex13\_M13\_FPTH1R\_Ex13\_M13\_R | 13 | FwRev | 3838 | 59.1460.38 | 5'-tgtaaaacgacggccagtTGACAGAGCAGAGCCTATGG-3'5'-caggaaacagctatgaccCATGGTACCAGGACTCAGGG-3' | 282 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex14 15\_M13\_FPTH1R\_Ex14 15\_M13\_R | 14+15 | FwRev | 3838 | 59.1760.71 | 5'-tgtaaaacgacggccagtAATGCTTGTTGAAGGGGAAG-3'5'-caggaaacagctatgaccAAATGAGCCTTGAGGAAGCC-3' | 428 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex16a\_M13\_FPTH1R\_Ex16a\_M13\_R | 16a | FwRev | 3535 | 61.7660.08 | 5'-tgtaaaacgacggccagtTTCCGTGCTGGGTGTCC-3'5'-caggaaacagctatgaccAGCAGGAGCCGTTGAGG-3' | 431 | 57°C | GoTaq PCR Core System I |
| PTH1R\_Ex16b\_M13\_FPTH1R\_Ex16b\_M13\_R | 16b | FwRev | 3536 | 59.4560.35 | 5'-tgtaaaacgacggccagtCCACTGCCACCACCAAC-3'5'-caggaaacagctatgaccACAGCTTTCCCTGGCTCC-3' | 466 | 57°C | GoTaq PCR Core System I |