**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\_F  PTH1R\_Ex1\_M13\_R | 1 | Fw  Rev | 35  38 | 57.66  60.54 | 5'-tgtaaaacgacggccagtGCCAGTGTAGGGCTTGG-3'  5'-caggaaacagctatgaccCCAGGGAAACCACAGACTTG-3' | 308 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex2\_M13\_F  PTH1R\_Ex2\_M13\_R | 2 | Fw  Rev | 39  36 | 60.76  60.48 | 5'-tgtaaaacgacggccagtCCACCCTCGTGGAAACTAAAC-3'  5'-caggaaacagctatgaccGAAGCGAATGCATGAGGC-3' | 233 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex3\_M13\_F  PTH1R\_Ex3\_M13\_R | 3 | Fw  Rev | 35  38 | 62.02  60.24 | 5'-tgtaaaacgacggccagtCTCCTTTGCGCTGCTCG-3'  5'-caggaaacagctatgaccTGCGTGCCTTAGACCTATCC-3' | 400 | 58°C | GC-rich PCR System |
| PTH1R\_Ex4\_M13\_F  PTH1R\_Ex4\_M13\_R | 4 | Fw  Rev | 36  37 | 60.72  60.47 | 5'-tgtaaaacgacggccagtCTCTGGGACCTGCTGCTG-3'  5'-caggaaacagctatgaccCTCTGTATCCTGGGTCCCG-3' | 279 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex5\_M13\_F  PTH1R\_Ex5\_M13\_R | 5 | Fw  Rev | 38  39 | 58.72  60.88 | 5'-tgtaaaacgacggccagtTGGGTCTCCTGTTGTAGCAC-3'  5'-caggaaacagctatgaccGCTCACATCAGAGGGACAGTG-3' | 307 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex6 7\_M13\_F  PTH1R\_Ex6 7\_M13\_R | 6+7 | Fw  Rev | 38  35 | 59.09  60.03 | 5'-tgtaaaacgacggccagtAATCATGGCCTTGACTCTCC-3'  5'-caggaaacagctatgaccGCTGGGTCAGGGGTCAC-3' | 503 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex8\_M13\_F  PTH1R\_Ex8\_M13\_R | 8 | Fw  Rev | 38  37 | 59.99  60.10 | 5’-tgtaaaacgacggccagtCTGACCTTGACTCCTCCAGC-3’  5’-caggaaacagctatgaccGGACAGGAAGCTGGGTTGT-3’ | 371 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex9\_M13\_F  PTH1R\_Ex9\_M13\_R | 9 | Fw  Rev | 37  36 | 60.10  60.25 | 5’-tgtaaaacgacggccagtAACCCAGCTTCCTGTCCAC-3’  5’-caggaaacagctatgaccACGGGTTTGAGTGGCTGA-3’ | 435 | 58°C | GC-rich PCR System |
| PTH1R\_Ex10\_M13\_F  PTH1R\_Ex10\_M13\_R | 10 | Fw  Rev | 35  36 | 58.84  60.24 | 5'-tgtaaaacgacggccagtAGCCCAGCCCTGACTTC-3'  5'-caggaaacagctatgaccCTCTCCCTGTCACCCACG-3' | 315 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex11 12\_M13\_F  PTH1R\_Ex11 12\_M13\_R | 11+12 | Fw  Rev | 37  38 | 60.17  59.70 | 5'-tgtaaaacgacggccagtGGGGAATGACCTTGTGGAC-3'  5'-caggaaacagctatgaccAAGCCTCCTAGGTCCCTGTC-3' | 644 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex13\_M13\_F  PTH1R\_Ex13\_M13\_R | 13 | Fw  Rev | 38  38 | 59.14  60.38 | 5'-tgtaaaacgacggccagtTGACAGAGCAGAGCCTATGG-3'  5'-caggaaacagctatgaccCATGGTACCAGGACTCAGGG-3' | 282 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex14 15\_M13\_F  PTH1R\_Ex14 15\_M13\_R | 14+15 | Fw  Rev | 38  38 | 59.17  60.71 | 5'-tgtaaaacgacggccagtAATGCTTGTTGAAGGGGAAG-3'  5'-caggaaacagctatgaccAAATGAGCCTTGAGGAAGCC-3' | 428 | 58°C | GoTaq PCR Core System I |
| PTH1R\_Ex16a\_M13\_F  PTH1R\_Ex16a\_M13\_R | 16a | Fw  Rev | 35  35 | 61.76  60.08 | 5'-tgtaaaacgacggccagtTTCCGTGCTGGGTGTCC-3'  5'-caggaaacagctatgaccAGCAGGAGCCGTTGAGG-3' | 431 | 57°C | GoTaq PCR Core System I |
| PTH1R\_Ex16b\_M13\_F  PTH1R\_Ex16b\_M13\_R | 16b | Fw  Rev | 35  36 | 59.45  60.35 | 5'-tgtaaaacgacggccagtCCACTGCCACCACCAAC-3'  5'-caggaaacagctatgaccACAGCTTTCCCTGGCTCC-3' | 466 | 57°C | GoTaq PCR Core System I |