

Table 1. Primer used for qRT-PCR

| Primer | Forward(5'→3') | Reverse(5'→3') |
|----------------|--------------------------|---------------------------|
| ATP6v0d2 | CGAGGCATTCTACAAATTCTGCAA | TTCAGTGCCAAATGAGTTCAGAGTG |
| IGF-1 | GCACTCTGCTTGCTCACCTTTA | TCCGAATGCTGGAGCCATA |
| Wnt5a | ACAGGCAGTGGCATGCAGA | CAGGCAGCTGTTGACCTAGGAA |
| M-CSF | GAATACTGAACCTGCCTGCTGAA | AGGCCAGCTCAGTGCAAGAA |
| BMP2 | ACCGTGCTCAGCTTCCATCAC | CTATTTCCCAAAGCTTCCTGCATT |
| TGF- β 1 | CATTGCTGTCCCGTGCAGA | AGGTAACGCCAGGAATTGTTGCTA |
| β -actin | CACTTTCTACAATGAGCTGCG | CTGGATGGCTACGTACATGG |

Table 2. Independent variable importance

| Important Attribute Characteristics | Importance | Normalized Impirtance |
|-------------------------------------|------------|-----------------------|
| TGF- β 1 mRNA | 0.052 | 100% |
| BMD | 0.048 | 92.4% |
| Bs/Bv | 0.043 | 82.4% |
| Maximal load | 0.041 | 79.2% |
| Dry weight/volume | 0.039 | 74.3% |
| ALP in tibia | 0.038 | 72.8% |
| Body weight | 0.038 | 72.3% |
| BMP2 mRNA | 0.036 | 69.4% |
| TRACP in serum | 0.036 | 69.2% |
| TGF β 1 protein | 0.034 | 64.9% |
| bALP in serum | 0.033 | 63.3% |

| | | |
|-----------------------|-------|-------|
| TGFβ1 IOD | 0.028 | 54.6% |
| BMP2 IOD | 0.028 | 54.0% |
| Ash weight/dry weight | 0.028 | 54.3% |
| IGF-1 IOD | 0.028 | 54.0% |
| ATP6v0d2 IOD | 0.027 | 52.4% |

Notes: TGF-β1, Transforming growth factor beta1; BMD, bone mineral density; bALP, bone specific alkaline phosphatase; BMP2, bone morphogenetic protein 2; IGF-1, insulin-like growth factors 1.