

Supplementary materials

Table S1 Primer sequences

Target genes	Sense and anti-sense sequences
OSCAR	F: 5'-GTT ACC GCT GCT GCT ACC GAA G-3' R: 5'-GCG CAG GCT CAC GTT GGC-3'
RANKL	F: 5'-ATA TCG TTG GAT CAC AGC ACA TCA GAG-3' R: 5'-TGT CGG TGG CAT TAA TAG TGA GAT GAG-3'
Cathepsin K	F: 5'-CCA TCC ATA ACC TTG AGG CTT CTC TTG-3' R: 5'-CCA GTC ATC TTC TGA ACC ACC TCT TC-3'
TRAP	F: 5'-ATG ACC ACC TTG GCA ATG TCT CTG-3' R: 5'-AGG CTG CTG GCT GAG GAA GTC-3'
SGK3	F: 5'-GGA CAG TCC AAA ACA CCA GTC A-3' R: 5'-TTT CCA GAC GGT CCC AGG TT-3'
PIK3CA	F: 5'- GAG ATT GCA AGC AGT GAT AGT G-3' R: 5'- TAA TTT TGG CAG TGA TTG TGG G-3'
POSTN	F: 5'- CAC CAA TGA GGC TTT TGA GAA A-3' R: 5'- GAC TGC TCC TCC CAT AAT AGA C-3'
COL1A1	F: 5'- AAA GAT GGA CTC AAC GGT CTC-3' R: 5'- CAT CGT GAG CCT TCT CTT GAG-3'
COL1A2	F: 5'- CTC CAT GGT GAG TTT GGT CTC-3' R: 5'- CTT CCA ATA GGA CCA GTA GGA C-3'
CREB1	F: 5'- CTG ATG GAC AGC AGA TCT TAG T-3' R: 5'- CTT CAT TAG ACG GAC CTC TCT C-3'
MDM2	F: 5'- CTT CTA GGA GAT TTG TTT GGC G-3' R: 5'- ATG TAC CTG AGT CCG ATG ATT C-3'
IKBK	F: 5'- GTG GAG CAC CTG AAG AGA TG-3' R: 5'- CAG AGC CTG GCA TTC CTT AG-3'
NTRK2	F: 5'- CCG CAA CAA GCA CCG AGG AG -3' R: 5'- CCA CAA CCA GCC AGC AGA AGC -3'
CDK2	F: 5'- CCT GGG CTG CAA ATA TTA TTC C-3' R: 5'- TGG CTT GTA ATC AGG CAT AGA A-3'
TCL1A	F: 5'- GTT CGT GTA TTT GGA CGA GAA G-3' R: 5'- CAG AAA CTG GAG TCT GAG GAT C-3'
AKT3	F: 5'- CAG ACA GAC TGC AGA GGC AA -3' R: 5'- CCA CTT GCC TTC TCT CGA ACC -3'
PDK1	F: 5'-ACG CAC AAT ACT TCC AAG GAG ACC-3' R: 5'-ATC AGC CTC GTG GTTG GTG TTG-3'
GAPDH	F: 5'-CAG GAG GCA TTG CTG ATG AT-3' R: 5'-GAA GGC TGG GGC TCA TTT-3'

Table S2 Extension temperatures of target genes

Target genes	Extension temperatures
OSCAR	63.5 °C
RANKL	57.8 °C
Cathepsin K	57.8 °C
TRAP	62.3 °C
SGK3	55.4 °C
PIK3CA	57.3 °C
POSTN	57.4 °C
COL1A1	58.0 °C
COL1A2	57.8 °C
CREB1	56.0 °C
MDM2	57.1 °C
IKBK	57.7 °C
NTRK2	64.1 °C
CDK2	57.0 °C
TCL1A	57.4 °C
AKT3	60.0 °C
PDK1	60.9 °C