Supplementary File 6. Oligonucleotides

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| REAGENT or RESOURCE | SOURCE | IDENTIFIER |
| qPCR primers for RNA expression |
| TBP : Forward : TGAGTTGCTCATACCGTGCTGCTAReverse : CCCTCAAACCAACTTGTCAACAGC | This paper | N/A |
| PRG4: Forward : ACCACCACCAGACCTAACCAAACTReverse : TGAGGTGTTTCTCCTTCAGCACCA | This paper |  |
| COL10A1 : Forward : AAAGGCTACCTGGATCAGGCTTCAReverse : ATAGGCCATTTGACTCGGCATTGG | This paper |  |
| PTH1R : Forward : GAGTGGGAGACAGTCATGTGReverse : GGAAATCATTCAACCACCCATC | This paper |  |
| PTHLH : Forward : CAAGGTGGAGACGTACAAAGAGReverse : CCCAGTCACTCCAGAGTCTAA | This paper |  |
| FGF18 : Forward : CGTGACCTAGTACACCAATGATAAReverse: ACTGCAATATACAGAGAGGTGAAA | This paper |  |
| FGFR3 : Forward : GAAGGTTTATCCCGCCGATAGReverse: CACTGGAATCACCTCCAACTATTA | This paper |  |
| RELA : Forward : TGAGCCCACAAAGCCTTATCReverse : ACAATGCCAGTGCCATACA | This paper |  |
| RUNX2 : Forward : AGTTTGTTCTCTGACCGCCTCAGTReverse : AAAGGACTTGGTGCAGAGTTCAGG | This paper |  |
| MEOX1 : Forward : GTCAACGTGAGTTTGGATCTCTReverse : CCACAGCTCTTGCCCTTT | This paper |  |
| CHI3L1 : Forward : CTCTATCACCAAGGAGCCAAAReverse : CGTTCCTAAGTGAAGGTTTCAAG  | This paper |  |
| PANX3 : Forward : CGTTTATGGAGGCAATTCCATATCReverse : GATTGCCTCACTTGCTCTCT | This paper |  |
| ALPL : Forward : CCTTGCTCACTCACTCACTCReverse : CTGCCAGGTGGCTCTTC | This paper |  |
| GLIPR2 : Forward : GGAAGGTGGCAGACTTAAGAAReverse : CATCACACACACAAGCACATAC | This paper |  |
| LOXL2 : Forward : CCAACGTGGCCAAGATTCAReverse : CCACTGGCCATCATAGTACAC | This paper |  |
| DKK3 : Forward : GCTGTGGGTAGATGTGCAATAReverse : CTGGGAAGAAGATGTAGGAAGAAG | This paper |  |
| TLR2 : Forward : CACTGGACAATGCCACATATCReverse : CACAAGACAGAGAAGCCTGATT | This paper |  |
| LTBP2 : Forward : GGTTACTGCGAGAACACAGAReverse : GAGGCCATTTCCAGGTAGTT | This paper |  |
| COL15A1 : Forward : TGAACGCATCCCAACATAGGReverse : AGGACATCTTACACTCAACAACA | This paper |  |
| ATOH8 : Forward : CCTGAGACTATCCCAGAAGAGAReverse : TGGAGACAGGAAGGAGCATA | This paper |  |
| ACAN : Forward : CCAAGAGCAGTGCAATCGTTGGTTReverse : ATACATTCAGCTGCGGTTCCGAGT | This paper |  |
| C16orf72 : Forward : AAGTTCCTCCACCACGAAACReverse : AGGGTTGCAAATCAGTCTCTAC | This paper |  |
| RCL1 : Forward : CCTGTGTTGGCATTGGTTTCReverse : AGCTTCTGCTTTGTCTGTAGG | This paper |  |
| WNT10B : Forward : AGAGTGGGTGAATGTGTGTAAGReverse : GAGTGACCTTGGAAGGAAATCA | This paper |  |
| GPR153 : Forward : GCTTCATCGTGGCTGAGATReverse : CGATGGCTGTGCAGATCA | This paper |  |
| MAP4K3 : Forward : AGCTGCAGTAACCTGTCTTCReverse : AAGCACTTGTGTGGTTCAATATG | This paper |  |
| RXRA : Forward : GCCTGGAACATCTCTTCTTCTTReverse : CCGCAGGCCTAAGTCATTT | This paper |  |
| SCUBE1 : Forward : GGACGAGTGTCAGGACAATAAReverse : GCTGGTTGTCACTAAGGAAGA | This paper |  |
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| **ChIP-qPCR Primers (from ActiveMotif)** |
| hDPF1 peak positive control for RUNX2 binding : Forward : GCTGTGCCAACCACTTTCTACReverse : CCGTTCTGCTGTGGGTAATG | Active Motif | h DPF1\_+16kA, h DPF1\_+16kB |
| hBIRC3 peak positive control for RELA binding : Forward : GCTTTTGGGTCATGGAAATCReverse : TCCCCACCCCTATCTGTACC | Active Motif | h BIRC3-24 A, h BIRC3-24 B |
| Putative COL15A1 peak bound by RELA : Forward : GGCTACTTGGTGCTTCAGGAReverse : CCCTCAATGGTCGCTTTTTA | Active Motif | h COL15-804 \_A, h COL15-804 \_B |
| Putative PRG4 peak bound by RELA : Forward : CTTGCCTTACTCCTGCCTTTAGReverse : TGGATATGGATCTGCTGTTTG | Active Motif | h\_PRG4-64K\_A, h\_PRG4-64K\_B |
| Putative LTBP2 peak bound by RELA : Forward : AAAACCCGGCAGAGAGAGTCReverse : TGTGTCTGGGCAAACCTTTC | Active Motif | h LTBP2 -4.5K\_A, h LTBP2 -4.5K\_B |
| Putative GLIPR2 peak bound by RELA : Forward : CTGTCGGGATGAACTTTCTGReverse : GGACTGGAGTGTGTCCTTTC | Active Motif | h\_GLIPR2+574\_A, h\_GLIPR2+574\_B |
| Putative DKK3 peak bound by RELA : Forward : TGTTCTCAAGCAGCAGACATGReverse : CCTCTTGGGGAAACTCACAG | Active Motif | h\_DKK3-71K\_A, h\_DKK3-71K\_A |
| Putative TLR2 peak bound by RELA : Forward : TTCATGTCCCGCAATGTAGAGReverse : CTTGACCCCACCTTGTTTCTC | Active Motif | h\_TLR2+78K\_A, h\_TLR2+78K\_B |
| Putative LOXL2 peak bound by RELA : Forward : CGCAGCACTTGGTTTCTCTCReverse : GCCTCGTTGCCAGTACAGTG | Active Motif | h\_LOXL2+43K\_A, h\_LOXL2+43K\_B |
| Putative ACAN peak bound by RUNX2 : Forward : TCCCAACCAAACCTCTCTTGReverse : TTCACCCAGGCCAGTAAGAC | Active Motif | h\_ACAN-35K\_A, h\_ACAN-35K\_B |
| Putative ATOH8 peak bound by RUNX2 : Forward : TTTGACGACCCGTTCCTATGReverse : CGGAGAACAACGCCTAAGTC | Active Motif | h\_ATOH8-692\_ A, h\_ATOH8-692\_ B |
| Putative C16orf72 peak bound by RUNX2 : Forward : TTTACATGCCGTGGTGAATCReverse : GGGCCAGCGAGAAAGTTAAG | Active Motif | h\_Cl6ORF72-18K\_A, h\_Cl6ORF72-18K\_B |
| Putative COL10A1 peak bound by RUNX2 : Forward : CCTCCCAAAGCTACCCTGTC Reverse : CAACCAAAATCTAACCTGTGTTC | Active Motif | h\_COL10A1-3702\_A, h\_COL10A1-3702\_B |
| Putative RCL1 peak bound by RUNX2 : Forward : CCCCAGGAGAGTTGACACAGReverse : AGCAGTGGCTGAAATGTTTG | Active Motif | h\_RCL145k\_A, h\_RCL145k\_B |
| Putative WNT10B peak bound by RUNX2 : Forward : GTGTCATCAAGGGCAAGTAReverse : CAGTGTGAGTGGGGAACTC | Active Motif | h\_WNT10B+802\_A, h\_WNT10B+802\_B |
| Putative GPR153 peak bound by RUNX2 : Forward : GAGCAGCGTGAATCCGTAACReverse : GCTTCTAGGAACCGGGAATC | Active Motif | h\_GPR153-578\_A, h\_GPR153-578\_B |
| Putative MAP4K3 peak bound by RUNX2 : Forward : AAGGAGGTGGTGGCTAGTTTCReverse : TCACTGGGTTTATGCGTCAG | Active Motif | h\_MAP4K3-54K\_A, h\_MAP4K3-54K\_B |
| Putative RXRA peak bound by RUNX2 : Forward : GCAAATGTGGATGCTTGTTGReverse : GTACTGCTCCTTGGGGACAG | Active Motif | h\_RXRA-279K\_A, h\_RXRA-279K\_B |
| Putative SCUBE1 peak bound by RUNX2 : Forward : GCCCACTTCCCACAAATAAAGReverse : CACCTCATCCCAACCACATAC | Active Motif | h\_SCUBE1-37K\_A, h\_SCUBE1-37K\_B |
| Untr12: Human negative control primer set 1 | Active Motif | Catalog#71001 |