Supplementary File 6. Oligonucleotides

|  |  |  |
| --- | --- | --- |
| REAGENT or RESOURCE | SOURCE | IDENTIFIER |
| qPCR primers for RNA expression | | |
| TBP : Forward : TGAGTTGCTCATACCGTGCTGCTA  Reverse : CCCTCAAACCAACTTGTCAACAGC | This paper | N/A |
| PRG4: Forward : ACCACCACCAGACCTAACCAAACT  Reverse : TGAGGTGTTTCTCCTTCAGCACCA | This paper |  |
| COL10A1 : Forward : AAAGGCTACCTGGATCAGGCTTCA  Reverse : ATAGGCCATTTGACTCGGCATTGG | This paper |  |
| PTH1R : Forward : GAGTGGGAGACAGTCATGTG  Reverse : GGAAATCATTCAACCACCCATC | This paper |  |
| PTHLH : Forward : CAAGGTGGAGACGTACAAAGAG  Reverse : CCCAGTCACTCCAGAGTCTAA | This paper |  |
| FGF18 : Forward : CGTGACCTAGTACACCAATGATAA  Reverse: ACTGCAATATACAGAGAGGTGAAA | This paper |  |
| FGFR3 : Forward : GAAGGTTTATCCCGCCGATAG  Reverse: CACTGGAATCACCTCCAACTATTA | This paper |  |
| RELA : Forward : TGAGCCCACAAAGCCTTATC  Reverse : ACAATGCCAGTGCCATACA | This paper |  |
| RUNX2 : Forward : AGTTTGTTCTCTGACCGCCTCAGT  Reverse : AAAGGACTTGGTGCAGAGTTCAGG | This paper |  |
| MEOX1 : Forward : GTCAACGTGAGTTTGGATCTCT  Reverse : CCACAGCTCTTGCCCTTT | This paper |  |
| CHI3L1 : Forward : CTCTATCACCAAGGAGCCAAA  Reverse : CGTTCCTAAGTGAAGGTTTCAAG | This paper |  |
| PANX3 : Forward : CGTTTATGGAGGCAATTCCATATC  Reverse : GATTGCCTCACTTGCTCTCT | This paper |  |
| ALPL : Forward : CCTTGCTCACTCACTCACTC  Reverse : CTGCCAGGTGGCTCTTC | This paper |  |
| GLIPR2 : Forward : GGAAGGTGGCAGACTTAAGAA  Reverse : CATCACACACACAAGCACATAC | This paper |  |
| LOXL2 : Forward : CCAACGTGGCCAAGATTCA  Reverse : CCACTGGCCATCATAGTACAC | This paper |  |
| DKK3 : Forward : GCTGTGGGTAGATGTGCAATA  Reverse : CTGGGAAGAAGATGTAGGAAGAAG | This paper |  |
| TLR2 : Forward : CACTGGACAATGCCACATATC  Reverse : CACAAGACAGAGAAGCCTGATT | This paper |  |
| LTBP2 : Forward : GGTTACTGCGAGAACACAGA  Reverse : GAGGCCATTTCCAGGTAGTT | This paper |  |
| COL15A1 : Forward : TGAACGCATCCCAACATAGG  Reverse : AGGACATCTTACACTCAACAACA | This paper |  |
| ATOH8 : Forward : CCTGAGACTATCCCAGAAGAGA  Reverse : TGGAGACAGGAAGGAGCATA | This paper |  |
| ACAN : Forward : CCAAGAGCAGTGCAATCGTTGGTT  Reverse : ATACATTCAGCTGCGGTTCCGAGT | This paper |  |
| C16orf72 : Forward : AAGTTCCTCCACCACGAAAC  Reverse : AGGGTTGCAAATCAGTCTCTAC | This paper |  |
| RCL1 : Forward : CCTGTGTTGGCATTGGTTTC  Reverse : AGCTTCTGCTTTGTCTGTAGG | This paper |  |
| WNT10B : Forward : AGAGTGGGTGAATGTGTGTAAG  Reverse : GAGTGACCTTGGAAGGAAATCA | This paper |  |
| GPR153 : Forward : GCTTCATCGTGGCTGAGAT  Reverse : CGATGGCTGTGCAGATCA | This paper |  |
| MAP4K3 : Forward : AGCTGCAGTAACCTGTCTTC  Reverse : AAGCACTTGTGTGGTTCAATATG | This paper |  |
| RXRA : Forward : GCCTGGAACATCTCTTCTTCTT  Reverse : CCGCAGGCCTAAGTCATTT | This paper |  |
| SCUBE1 : Forward : GGACGAGTGTCAGGACAATAA  Reverse : GCTGGTTGTCACTAAGGAAGA | This paper |  |
|  |  |  |
|  |  |  |
| **ChIP-qPCR Primers (from ActiveMotif)** | | |
| hDPF1 peak positive control for RUNX2 binding :  Forward : GCTGTGCCAACCACTTTCTAC  Reverse : CCGTTCTGCTGTGGGTAATG | Active Motif | h DPF1\_+16kA,  h DPF1\_+16kB |
| hBIRC3 peak positive control for RELA binding :  Forward : GCTTTTGGGTCATGGAAATC  Reverse : TCCCCACCCCTATCTGTACC | Active Motif | h BIRC3-24 A,  h BIRC3-24 B |
| Putative COL15A1 peak bound by RELA :  Forward : GGCTACTTGGTGCTTCAGGA  Reverse : CCCTCAATGGTCGCTTTTTA | Active Motif | h COL15-804 \_A,  h COL15-804 \_B |
| Putative PRG4 peak bound by RELA :  Forward : CTTGCCTTACTCCTGCCTTTAG  Reverse : TGGATATGGATCTGCTGTTTG | Active Motif | h\_PRG4-64K\_A,  h\_PRG4-64K\_B |
| Putative LTBP2 peak bound by RELA :  Forward : AAAACCCGGCAGAGAGAGTC  Reverse : TGTGTCTGGGCAAACCTTTC | Active Motif | h LTBP2 -4.5K\_A,  h LTBP2 -4.5K\_B |
| Putative GLIPR2 peak bound by RELA :  Forward : CTGTCGGGATGAACTTTCTG  Reverse : GGACTGGAGTGTGTCCTTTC | Active Motif | h\_GLIPR2+574\_A,  h\_GLIPR2+574\_B |
| Putative DKK3 peak bound by RELA :  Forward : TGTTCTCAAGCAGCAGACATG  Reverse : CCTCTTGGGGAAACTCACAG | Active Motif | h\_DKK3-71K\_A,  h\_DKK3-71K\_A |
| Putative TLR2 peak bound by RELA :  Forward : TTCATGTCCCGCAATGTAGAG  Reverse : CTTGACCCCACCTTGTTTCTC | Active Motif | h\_TLR2+78K\_A,  h\_TLR2+78K\_B |
| Putative LOXL2 peak bound by RELA :  Forward : CGCAGCACTTGGTTTCTCTC  Reverse : GCCTCGTTGCCAGTACAGTG | Active Motif | h\_LOXL2+43K\_A,  h\_LOXL2+43K\_B |
| Putative ACAN peak bound by RUNX2 :  Forward : TCCCAACCAAACCTCTCTTG  Reverse : TTCACCCAGGCCAGTAAGAC | Active Motif | h\_ACAN-35K\_A,  h\_ACAN-35K\_B |
| Putative ATOH8 peak bound by RUNX2 :  Forward : TTTGACGACCCGTTCCTATG  Reverse : CGGAGAACAACGCCTAAGTC | Active Motif | h\_ATOH8-692\_ A,  h\_ATOH8-692\_ B |
| Putative C16orf72 peak bound by RUNX2 :  Forward : TTTACATGCCGTGGTGAATC  Reverse : 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 : CCCCAGGAGAGTTGACACAG  Reverse : AGCAGTGGCTGAAATGTTTG | Active Motif | h\_RCL145k\_A,  h\_RCL145k\_B |
| Putative WNT10B peak bound by RUNX2 :  Forward : GTGTCATCAAGGGCAAGTA  Reverse : CAGTGTGAGTGGGGAACTC | Active Motif | h\_WNT10B+802\_A,  h\_WNT10B+802\_B |
| Putative GPR153 peak bound by RUNX2 :  Forward : GAGCAGCGTGAATCCGTAAC  Reverse : GCTTCTAGGAACCGGGAATC | Active Motif | h\_GPR153-578\_A,  h\_GPR153-578\_B |
| Putative MAP4K3 peak bound by RUNX2 :  Forward : AAGGAGGTGGTGGCTAGTTTC  Reverse : TCACTGGGTTTATGCGTCAG | Active Motif | h\_MAP4K3-54K\_A,  h\_MAP4K3-54K\_B |
| Putative RXRA peak bound by RUNX2 :  Forward : GCAAATGTGGATGCTTGTTG  Reverse : GTACTGCTCCTTGGGGACAG | Active Motif | h\_RXRA-279K\_A,  h\_RXRA-279K\_B |
| Putative SCUBE1 peak bound by RUNX2 :  Forward : GCCCACTTCCCACAAATAAAG  Reverse : CACCTCATCCCAACCACATAC | Active Motif | h\_SCUBE1-37K\_A,  h\_SCUBE1-37K\_B |
| Untr12: Human negative control primer set 1 | Active Motif | Catalog#71001 |