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|  | Gene | Primer sequence (5’-3’) |
| Transgenic mice genomic sequence | *Avil-Cre*: forward | CCCTGTTCACTGTGAGTAGG |
| *Avil-Cre*: reverse | GCGATCCCTGAACATGTCCATC |
| *Avil-Cre*: wt | AGTATCTGGTAGGTGCTTCCAG |
| *Ptger4* loxP allele forward | TCTGTGAAGCGAGTCCTTAGGCT |
| *Ptger4* loxP allele reverse | CGCACTCTCTCTCTCCCAAGGAA |
| *Ntrk1* loxP allele forward | AACAGTTTTGAGCATTTTCTATTGTTT |
| *Ntrk1* loxP allele reverse | CAAAGAAAACAGAAGAAAAATAATAC |
| *iDTR* loxP allele forward | GCGA AGAGTTTGTCCTCAACC |
| *iDTR* loxP allele reverse | AAAGTCGCTCTGAGTTGTTAT |
| *OCN-Cre*: forward | CAAATAGCCCTGGCAGATTC |
| *OCN-Cre*: reverse | TGATACAAGGGACATCTTCC |
| *DMP1-Cre* forward | TTGCCTTTCTCTCCACAGGT |
| *DMP1-Cre* reverse | CATGTCCATCAGGTTCTTGC |
| *Cox2* loxP allele forward | AATTACTGCTGAAGCCCACC |
| *Cox2* loxP allele forward | GAATCTCCTAGAACTGACTGG |
| *LepR-Cre* Mutant Forward | GCT GGA AGA TGG CGA TTA GC |
| *LepR-Cre* Wild type Forward | CCC AAT TTC AAA CCT GTT CC |
| *LepR-Cre* Common | TCT TCT TTC CAG AGT TCA GAT GT |
| *Rosa 26 EYFP* wt Forward | AAG GGA GCT GCA GTG GAG TA |
| *Rosa 26 EYFP* wt reverse | CCG AAA ATC TGT GGG AAG TC |
| *Rosa 26 EYFP* mutant forward | ACA TGG TCC TGC TGG AGT TC |
| *Rosa 26 EYFP* mutant reverse | GGC ATT AAA GCA GCG TAT CC |
| RT-PCR primers sequence | *Npy* forward | CAC GAT GCT AGG TAA CAA G |
| *Npy* reverse | CAC ATG GAA GGG TCT TCA AG |
| *Runx2* forward | TTACCTACACCCCGCCAGTC |
| *Runx2* reverse | TGCTGGTCTGGAAGGGTCC |
| *Alp* forward | ATCTTTGGTCTGGCTCCCATG |
| *Alp* reverse | TGAGCGACACGGACAAGAAGCCCTT |
| *Col1a1* forward | GACGCCATCAAGGTCTACTG |
| *Col1a1* reverse | ACGGGAATCCATCGGTCA |
| *Fatp1* forward | TGCTTTGGTTTCTGGGACTT |
| *Fapt1* reverse | GCTCTAGCCGAACACGAATC |
| *Cpt1b* forward | GGTCCCATAAGAAACAAGACCTC |
| *Cpt1b* reverse | AGACGATGTAAAGGGCAGAAGAGG |
| *Lipe* forward | CATCAACCACTGTGAGGGTAAG |
| *Lipe* reverse | AAGGGAGGTGAGATGGTAACT |
| *Pnpla2* forward | TAGCTAACAGTTGGGCTTCAC |
| *Pnpla2* reverse | CAGAGAGAACAGAGCAGCTTAC |