**Supplementary File 3. PCR primer list.**

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| --- | --- |
| **Name** | **Sequence** |
| *Genotype PCR* |  |
| *Osterix* p1 | CCGCCCCGATCTTCCACT |
| *Osterix* p2 | GTTGCCGGTCCTGTTCACTCTC |
| *Osterix* p3 | TGCTCCCGGCCAGGTTACTA |
| FAC p1 | CACTCTAAATGAACACGTGCTTTCG |
| FAC p2 | ACCGGCATCAACGTTTTCTTTT |
| FAC p3 | CTGGATAGTGAAACAGGGGCA |
| FAC-WT Forward | AGCCCATACACCAGGAGAATCA |
| FAC-WT Reverse | TGTGAAGCCCCCATACCAA |
| FAC-Mut Forward | AGCCCATACACCAGGAGAATCA |
| FAC-Mut Reverse | TTGGCGAGAGGGGAAAGACC |
|  |  |
| *Regular PCR* |  |
| *Pnpla2* Forward | CCAACGCCACTCACATCTACG |
| *Pnpla2* Reverse | ACCCCGGGGCTCCTCTTA |
|  |  |
| *qPCR* |  |
| FAC Original band- Forward | TCGCTAGCTCAATCGCCATCTT |
| FAC Original band-Reverse | GCCACCAGCCAGCTATCAACTC |
| FAC Flipped band- Forward | TGAAGGATGCCCAGAAGGTA |
| FAC Flipped band-Reverse | CGGCAAACGGACAGAAGC |
| *Pnpla2* Forward | CGGCTTCCTCGGGGTCTAC  |
| *Pnpla2* Reverse | CGCGCTCATGGCAATCAG  |
| *Adipoq* Forward | CATTCCGGGACTCTACTACTTCT |
| *Adipoq* Reverse | GAGGCCTGGTCCACATTCTT |
| *Pparg* Forward | GCCATTGAGTGCCGAGTCTGT |
| *Pparg* Reverse | GCATCCGCCCAAACCTGA |
| *Cebpa* Forward | TGGACAAGAACAGCAACGAG |
| *Cebpa* Reverse | TCACTGGTCAACTCCAGCAC |
| *Fabp4* Forward | ATGAAATCACCGCAGACGACA |
| *Fabp4* Reverse | CACGCCTTTCATAACACATTCC |
| *Scd1* Forward  | CGTGGGTTGGCTGCTTGTG  |
| *Scd1* Reverse | CAGGAGGCCGGGCTTGTAGT |
| *Rpl32a* Forward | GAGCAACAAGAAAACCAAGCA |
| *Rpl32a* Reverse | TGCACACAAGCCATCTACTCA |
| *Hprt* Forward | TCATTATGCCGAGGATTTGGA |
| *Hprt* Reverse | GCACACAGAGGGCCACAAT |
| *Tbp* Forward | ACCTTATGCTCAGGGCTTGG |
| *Tbp* Reverse | GCCGTAAGGCATCATTGGAC |