**Supplementary Table 1.**

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| --- | --- | --- | --- | --- |
| **Gene** | **Oligo name** | **Sequence** | **Amplicon Size** | **Number of CpG's** |
| ABCB1 | 11 LEFT | aggaagagagTTTTTTATTTGTTTTTTTTAGAGAGGTG | 482 | 22 |
| 11 RIGHT | cagtaatacgactcactatagggagaaggctCCCATAAACTTACCAAAAAACTTCA |
| 19 LEFT | aggaagagagTTTTGTTTAGAGTAGAAGTTTGTTGG | 432 | 34 |
| 19 RIGHT | cagtaatacgactcactatagggagaaggctAACACCACTTAAAAAACAAAAATTCA |
| CATALASE | 2 LEFT | aggaagagagTTAGGATTGTTGATTTTTTAAGAGTTGA | 445 | 27 |
| 2 RIGHT | cagtaatacgactcactatagggagaaggctCCCTCAACAAACAAATCTACCTATT |
| 6 LEFT | aggaagagagAATAGGTAGATTTGTTTGTTGAGGG | 472 | 34 |
| 6 RIGHT | cagtaatacgactcactatagggagaaggctAACTCTCTACCTCTTTCCCCATAAA |
| DEFA5A | LEFT | aggaagagagAATTTTAGTATTTTGGGTGGTTTAGG | 330 | 29 |
| RIGHT | cagtaatacgactcactatagggagaaggctACACATTATCCTTTAATTCCATCCA |
| FAS | 10 LEFT | aggaagagagAGAAGTTTTTAGAAAGGGTAGGAGGT | 403 | 21 |
| 10 RIGHT | cagtaatacgactcactatagggagaaggctCCTAAACAACCAAAACTAACCTCAA |
| 13 LEFT | aggaagagagGAGGATTGTTTAATAATTATGTTGGG | 282 | 22 |
| 13 RIGHT | cagtaatacgactcactatagggagaaggctCATCAAAACCCAAAAAAAACAAAT |
| FASLG | LEFT | aggaagagagAATTTTTAGGGGTTTGTTTTGAGTT | 499 | 09 |
| RIGHT | cagtaatacgactcactatagggagaaggctTCCCTCTCTTCTTCAAAAATAACAA |
| NOD2 | LEFT | aggaagagagGAAAGAGAGGTATATTGGTTAGGGT | 464 | 42 |
| RIGHT | cagtaatacgactcactatagggagaaggctATCTACATTCTAAAACTCCCCCAAA |
| PPARγ | LEFT | aggaagagagTGTTATTGGAAAGAATATTTTGGGA | 169 | 10 |
| RIGHT | cagtaatacgactcactatagggagaaggctACCCAAAAAAAATCCCATTTC |
| TNF | 11 LEFT | aggaagagagTTTGGTTTTTAAAAGAAATGGAGGT | 273 | 08 |
| 11 RIGHT | cagtaatacgactcactatagggagaaggctTCCTTAATAAAAAAACCCATAAACTCA |
| 13 LEFT | aggaagagagTGGGTTTTTTTATTAAGGAAGTTTTT | 484 | 15 |
| 13 RIGHT | cagtaatacgactcactatagggagaaggctAAACTAACCAAACACTCACCTCTTC |
| TNFRSF1A | 14 LEFT | aggaagagagATTATTTAGGTGTGGTGGTGTGTTT | 498 | 08 |
| 14 RIGHT | cagtaatacgactcactatagggagaaggctTCCCTAAACCTTTTTCACAATACAT |
| 16 LEFT | aggaagagagATGTATTGTGAAAAAGGTTTAGGGA | 252 | 17 |
| 16 RIGHT | cagtaatacgactcactatagggagaaggctCAAAAACAAACAAAAACTAACAACC |
| TNFRSF1B | 4 LEFT | aggaagagagTTTAGGTGGTTTGGTTTTAGAGTTT | 463 | 10 |
| 4 RIGHT | cagtaatacgactcactatagggagaaggctCAACTCCCACAAACTTCCCTATC |
| 5 LEFT | aggaagagagGTTGGGAGGTTGGGAGTTTTAGT | 461 | 37 |
| 5 RIGHT | cagtaatacgactcactatagggagaaggctCCCTCCAACTATACCCTCAATAAAC |
| PKCζ | LEFT | aggaagagagGTATTTTTAGGGGAGGAGTTTAGGA | 349 | 24 |
| RIGHT | cagtaatacgactcactatagggagaaggctAAAAATCCCCTAACATCTCACACTT |
| PPA2 | 4 LEFT | aggaagagagAGTGGTAGTGAGTTTTTTAGGGGTG | 354 | 33 |
| 4 RIGHT | cagtaatacgactcactatagggagaaggctTCCTCAATATAATACAAAACCATAACA |
| 5 LEFT | aggaagagagGGTTGGGGATTAGTGTAGGGAT | 492 | 46 |
| 5 RIGHT | cagtaatacgactcactatagggagaaggctTACCTTCCCTTCCTCACTAAATTAT |
| 6 LEFT | aggaagagagTTTAGTGAGGAAGGGAAGGTAGAGT | 168 | 11 |
| 6 RIGHT | cagtaatacgactcactatagggagaaggctAAAAAAACCTTCATCAAAATCCCT |