**Supplementary Table 1. Gene methylation primers and location details.**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Gene\*** | **Chromosomal Regiona** | **Strand sense for design** | **Number of CpGs covered** | **Region in CpG island** | **Amplicon Length** | **Forward Primer** | **Reverse Primer** |
| GPAM | Chr10: 113943474 – 113943367 | - | 8 | Yes | 107 | TAGTCGAAGTTGGAGTTGTTAGGG | AATCGCACCACCTCCATACA |
| SREBF1 | Chr17: 17740385 – 17740288 | - | 10 | Yes | 97 | GTCGTTTATTTGGGAGG | TTCCTCGAAAACTAAATTCCCC |
| SREBF2 | Chr22: 42228722 – 42228892 | + | 9 | Yes | 170 | GACGTAATGTGTTTTTAGTTAGGT | CCGATCATCATCTTAACCT |
| IL-6 | Chr7:22767065 – 22767223 | + | 4 | No | 158 | GTTTTCGGTTTAGTTGTTTTT | ATATACCGAATTTATTTATCAAT |
| TNFα | Chr6: 31543189 – 31543293 | + | 4 | No | 104 | AATCGAGATAGAAGGTGTAGGGTT | AACGAAAAAAAAATCATTCAA |
| MTOR | Ch1: 11322883 – 11322728 | - | 10 | Yes | 155 | AGTTCGGATGTAGAAGGGAATTTTAG | CGAAAACTATTCAAATAAACAA |
| AKT1 | Chr 14: 105262335 – 105262215 | - | 11 | No (within 600bp) | 120 | TAGACGGGGAAATTGAGGTTAG | CGACCGAACTAAAAAACAACTCC |

aGenomic Coordinates given in GRCH37/hg19 assembly\*Line-1 primer set developed and available from: Tse et. al. BMC Res Notes. 2011; 4: 565.