Supplementary information 1

1. Base primers used for Sequenom MassARRAY® system approach

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Gene** | ***Loci*** | **Chromosome** | **Exon** | **Fragment** | **Base primers** | **Reference** |
| *CSN1S1* | *CSN1S1* 26181BC | 6 | 17 | 247 | 5'-CCCATTGGCTCTGAGAACGG-3' | Mohan et al., 2021 |
|  |  |  |  |  | 5'-CACTGCTCCACATGTTCCTG-3' |  |
|  | *CSN1S1* 175AG | 6 | 17 | 36 | 5'-GAAGAAGCAGCAAGCTGG-3‘ | Koczan et al., 1993 |
|  |  |  |  | 274 | 5’-TGCATGTTCTCATAATAACC-3’ |  |
| *CSN3* | CSN3 AB1 | 6 | 4 | 551 | 5′- AGAAATAATACCATTCTGCAT-3´ | Prinzenberg et al. 2008 |
|  | CSN3 AB2 |  |  |  | 5′-GTTGAATTCTTTGATGTCTCCTTAGAGT-3´ |  |
| *LGB* | 3984GA | 11 | 4 | 247 | 5'TGTGCTGGACACCGACTACAAAAAG 3' | Agrawala et al., 1992 |
|  | 5263CT |  |  |  | 5'GCTCCCGGTATATGACCACCCTCT 3' |  |
| *DGAT1* | DGAT1 K232A | 14 | 8 | 411 | 5-GCACCATCCTCTTCCTCAAG-3 | Grisart et al., 2002 |
|  |  |  |  |  | 5´-GGAAGCGCTTTCGGATG-3 |  |
| *SCD1* | A702G | 26 | 5 | 702 | 5' -GTGTCCTGTTGTTGTGCTTCATCCTGCC-3´ | Taniguchi et al., 2004 |
|  |  |  |  |  | 5'-AATATTCTCTCGGGGGTTGATGGTCTTG-3´ |  |
|  | A293V | 26 | 5 | 762  | 5´-GTTTTTTGCCGTA-3´CGACCTTATT | Taniguchi et al., 2004 |
|  |  |  |  |  | 5´-AATATTCTCTCGGGGGTTGATGGTCTTG-3´ |  |

1. Conceptual reference structure organization of genes and localization of studied polymorphisms (\*) mentioned in Supplementary information 1a table.

