Supplementary table 1 Information of primer for GDF-15 gene polymorphisms.

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| Polymorphism | Primer Allele X | Primer Allele Y | Primer Common | Allele X | Allele Y |
| rs1055150 | GCAGGACAACTGAGGTCGCC | GCAGGACAACTGAGGTCGCG | TGCATATGAGCAGTCCTGGTCCTT | C | G |
| rs1058587 | GGGCCCGAGCGGACAGTC | GGGCCCGAGCGGACAGTG | GCAGAGCGCGTGCGCGCAA | C | G |
| rs1059369 | GCCCTGTCCGGCAGATAG | CTGCCCTGTCCGGCAGATAC | CTTACCCACGCATGCCTGTCACAT | C | G |
| rs1059519 | GTGAGAGGTTTGCCGGAGTCAT | GAGAGGTTTGCCGGAGTCAC | CTCTTAGCCCGCCCTAAACCCAT | A | G |
| rs1227731 | AGGTGTCACTAACATGGAAGTGCT | GGTGTCACTAACATGGAAGTGCC | TTAGTCCCATCACCCCTCCTGTTT | A | G |
| rs4808793 | GGAGCATCTGAGAGCCATTCAC | GGAGCATCTGAGAGCCATTCAG | ACAGCCATGCCCGGGCAAGAA | C | G |
| rs16982345 | CGGAATCTGGAGTCTTCGGA | CTCGGAATCTGGAGTCTTCGGT | GTTTCCCGGGACCCTCAGAGTT | A | T |