Supplemental Appendix.

Supplemental Methods:

Genetic Studies

Amplifications were performed as follows: 95°C denaturation, 30 seconds; 62°C annealing, 30 seconds; 72°C extension, 1min; 35 cycles. Amplified DNA fragments were sequenced by the conventional method. Primers were developed for amplification and sequencing (Table S1). All *MKRN3* variants were confirmed in two independent PCR products and sequencing reactions of both strands.

Table S1. Primers used for PCR amplification and sequencing reactions of *MKRN3* promoter region*.*

|  |  |
| --- | --- |
| Primers for PCR amplification  | Internal primers |
| P1F: 5´GAA ACA AAG GGC TGC CAT GA 3´ | P1F: 5´GAA ACA AAG GGC TGC CAT GA 3´ |
| P2R: 5´ATC TGG AGC AGC AGA TTC CC 3´ | P1R: 5´GGC AGT CCC TAA GTC CCT TC 3´ |
|  | P2F: 5´CGC GAT CGG GCA TTA AAA GA 3´P2R: 5´ATC TGG AGC AGC AGA TTC CC 3´ |
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