

Supplementary Table 1. Primers utilized in this study.

	Forward (5' → 3')	Reverse (5' → 3')	Sequence primer	AT	PS	CN
<Pyrosequencing analysis>						
ZNF597:TSS-DMR	GAAGAAGGATAGAAAGAAGATTGGGAGAT	biotin-CCCRCCCTCTCAATCACCTTACTC	AAAGAAGATTGGGAGATA	52	134	45
ZNF597:3' DMR	GGATATGGTTAGGTATATGGTTAAATTT	biotin-TCAAAAAAATCCTAAATCTCCAACCTAAC	GGGTATYGGGAAGTGGT	52	227	45
<Microsatellite analysis>						
D16S521	GAGCGAGACTCCGTCTAAA	CAGCAGCCTCAGGGTT		56		35
D16S3027	ATATTTGGCATCTGGGG	CCAGCATGAGTTGCTTT		52		35
D16S418	TGTNAGGTATGAGACACTGC	CACCTTCTTGCCTTTCATTC		56		35
D16S3102	CATGGGACTCTGGCTAAC	ATCGTGAATGACTGCCACAA		56		35
D16S3103	GCTTTGAGTCTCCACATCTATGA	GGCCAGCAGGTCTTCCTA		56		35
D16S403	GTTTTCTCCCTGGGACATTT	TATTCATTTGTGTGGGCATG		56		35
D16S3100	CTTTTGCCTGGATGCTG	TTAATGAAGTGTAACACATATGCAC		56		35
D16S3136	ATTGCCCTCAAGAACAGC	GTGCTATGCCATCCCAG		56		35
D16S3034	TAATCTAGTTAAAGATGCAACTGCC	GCTCAGAAGTTTGTATGCC		56		35
D16S514	CTATCCACTCACTTTCCAGG	TCCCACTGATCATCTTCTC		56		35
D16S3066	AGTCAGGACACGATGGTTTG	CCCAGTTCCAATGGCAC		56		35
D16S3049	GCAATGAAGGCAACAAAGT	TTAAAAGACCTGGGGGAAT		52		35
D16S3091	GGGAGATAGCCTTAACTTTCTTAC	TGTTGCTAATAACACTAGGCCA		56		35

AT: annealing temperature (°C); PS: product size (bp); CN: cycle numbers; R: A or G (purine); and Y: C or T (pyrimidine).

DMR: differentially methylated region.