

Supplementary Table 5: PCR and sequencing primers used for bisulfite pyrosequencing.

Gene (promoter's CpG island)		Primers	T _m	Amplicon length	No. of CpGs
LOX	Forward	5'-TGAGGTTGGTATTGTGAGTT-3'	59°C	180 bp	15
	Reverse-Biotin	5'-ACTCCTACTCCAACCTTTACAACCTCT-3'			
	Sequencing	5'-TTGTTAGTTGTTTTTTTATTGGAT-3'			
LEF1-AS1	Forward	5'-GTGTGGGGGTTGATATTAATATAAGTAG-3'	59°C	197 bp	13
	Reverse-Biotin	5'-ACCCACATCCTAAAAAATAAACCTACA-3'			
	Sequencing	5'-GGGGTTGATATTAATATAAGTAGT-3'			
SFRP4	Forward	5'-GGTGTAGGTGGTTGGGTAT-3'	59°C	144 bp	12
	Reverse-Biotin	5'-CCATATTCCTCTCCATCCTAATAAC-3'			
	Sequencing	5'-AGGTGGTTGGGTATT-3'			
SYT9	Forward-Biotin	5'-TTTGTGTAGTGGGGTTTTGGAGTA-3'	60°C	140 bp	9
	Reverse	5'-TCCCAACCCAAAACCTTAAAT-3'			
	Sequencing	5'-CAAAACCCTTAAATCCCTCC-3'			
LINC00693	Forward-Biotin	5'-GGAGTTTATTTTTAGTTTTTAGGGGGTTG-3'	59°C	193 bp	11
	Reverse	5'-ACACTATAAACCTACCTTACTCT-3'			
	Sequencing	5'-CCTACCTTACTCTCTCCTTT-3'			
ZNF793	Forward	5'-TTGGGATTAGTGGAGGATAGTGA-3'	59°C	198 bp	11
	Reverse-Biotin	5'-CACACTCCCAATCCATCTTCT-3'			
	Sequencing	5'-ATTAGTGGAGGATAGTGAGT-3'			
EPM2AIP1	Forward	5'-TTTTTTAGGAGTGAAGGAGGT-3'	54°C	193bp	23
	Reverse-Biotin	5'-AAAAACCATAAAACCCTATACCTAATCTAT-3'			
	Sequencing	5'-GGAGTGAAGGAGGTTA -3'			

Pyrosequencing primer sets for 3 SSA/P-specific markers (*LOX*, *LEF1-AS1*, and *SFRP4*), 3 markers shared by SSA/Ps and cADNs (*SYT9*, *LINC00693*, and *ZNF793*) and *EPM2AIP1* (see Supplementary Figure 2). PCR annealing temperature (T_m).