

Table S2 Bisulfite sequencing and qPCR primers

Gene	Forward primer	Reverse primer	Unconverted sequence
BRCA1/NBR2 (Bisulfite sequencing)	TACCGT CGACA AGTGGTAAGAG TTAATTTTTTGG	AGCT GGTACC ACAAAATTCCTCCCT TAAACTTCTC	AAGTGGTAAGAGCCAATCTTCTTGGCGAAAACCGGGAGAAACGGGACT AGTTACTGTCTTTGTCCGCATGTTAGATTACCCACAGAGATAGCGG CAGAGCTGGCAGCGGACGGTCTTTGCATTGCCCTCCCCAGGGGGCG GGAAGCTGGTAAGGAAGCAGCCTGGGTTAGTAGGGGTGGGGTCACGT CACACTAAGAGGGTTTGAGAGAAGTTCAAGGGAGGAATCCTGC
TSPYL5 (Bisulfite sequencing)	TACCGT CGACT TAGAGTAAATT TTTTAGTAAAGGTGTTTA	AGCT GGTACC AAAATACTACCATTT CATCTCTCC	CCAGAGCAAATCCCTCAGCAAAGGTGTTCAAAGAGAGACACACGCC CGAGCACTTCTTCATGACAGATGCCACAAGAGATAACTGGAGGAGCT GAAGATGTTTAGTTTAGAAAAACAGGTGATGGGGGACAGGTGGTATGG CTCTTAGCGTTGCCTTGTCAACGAGACCCTGAGAGCACGATGAGCCCG CGCGGAAGAGATGAAATGGCAGCACCCC
PEX10 (Bisulfite sequencing)	TACCGT CGAC CGGGTTGTTGGT TTACGGA	AGCT GGTACC CCCCGCAAAACCCTCT AACTA	CGGGTTGCCTGGTCCACGGATGAGGGGTTACGCCAAGGTGCTCAACCC AATCAGAGGGCAGCCTCTGTGTCCAGGAGACACGGGTGCACCCGCGGG GTCAGAACTCAAAGGGGCGGGGGCGCTGGGAGGTTTGGTAGCCAG AGGGCCTGCCGGG
BRCA1/NBR2 (RT-PCR)	CTGAAGACTGCTCAGGGCTATC (OriGENE, HP210038)	AGGGTAGCTGTTAGAAGGCTGG (OriGENE, HP210038)	
TSPYL5 (RT-PCR)	GCATGGATACGCTGGAGAACGT (OriGENE, HP216453)	TTTGGATGAGGTGGTTCCTGCG (OriGENE, HP216453)	
PEX10 (RT-PCR)	ACCTGTTCTGCTGGGAGTGAT (OriGENE, HP226364)	GTAGTGCCGAAGGTAGATGAGC (OriGENE, HP226364)	
ACTB (RT-PCR)	GCTCGTCGTCGACAACGGCTC (life Technologies 18080-051)	CAAACATGATCTGGGTCTCTCTC (life Technologies 18080-051)	
TP53 (RT-PCR)	CCTCAGCATCTTATCCGAGTGG (OriGENE HP200518)	TGGATGGTGGTACAGTCAGAGC (OriGENE HP200518)	
APP (RT-PCR)	CCTTCTCGTCTGACAAGTGC (OriGENE HP200456)	GGCAGCAACATGCCGTAGTCAT (OriGENE HP200456)	
DLG4 (RT-PCR)	TCCACTCTGACAGTGAGACCGA (OriGENE HP205263)	CGTCACTGTCTCGTAGCTCAGA (OriGENE HP205263)	
DNMT3L (RT-PCR)	AAGTTCCTGGATGCCCTCTT (Minami K 2010)	GCCGTACACAAGATCGAAGG (Minami K 2010)	
ZsGreen (RT-PCR)	CCCCGTGATGAAGAAGATGA	GTCAGCTTGTGCTGGATGAA	
GFP (RT-PCR)	GACGACGGCAACTACAAGAC	CTTGTACAGCTCGTCCATGC	