

Supplemental Table 4: List of primers used for pyrosequencing and bisulfite sequencing

Gene Name	Forward primer (5'-3')	Reverse primer (5'-3')	Sequencing Primer	Amplicon Size (bp)	No. CpG sites
IG-DMR	GTTTTATTATTGAATTGGGTTTGTAGTA	<u>5'CGCCAGGGTTTTCCCAGTCACGAC</u> TCAAAACAACCTCAAATCCTTTATAAC	TGAATTGGGTTTGTAGTAG	101	5
AXL	TTGGGAGTTTACTAATTTTTGAGGAAAG	<u>5'CGCCAGGGTTTTCCCAGTCACGAC</u> CATCACTCACCCCTAAAAACCATA	GGTGTTTTAGGATGGGTAG	133	4
NAP1L5	GGTTTTGTATTAGAGTTGGTTTAGAGAGAT	<u>5'CGCCAGGGTTTTCCCAGTCACGAC</u> AAACACCTCCAACAACCTACTAACACT CC	TTTTGAGGATGAGGTAAGT	298	6
ZNF597	GGTTAGGTTTAGAAAGGGGTTTAT	<u>5'CGCCAGGGTTTTCCCAGTCACGAC</u> CCTCTCCCAACTACCAATAACTA	TTTGATAGGAGTTGTAGAAA	316	7
H19 DMR	TGAGTGTTTTATTTTAGATGATTTT	<u>5'CGCCAGGGTTTTCCCAGTCACGAC</u> ACAATACAAACTCACACATCACAAC	GTGGTTTGGGTGATT	148	3
KvDMR	GTGATGTGTTTATTATT	<u>5'CGCCAGGGTTTTCCCAGTCACGAC</u> CTAAACRCCCAAAACCTCCA	GTGATGTGTTTATTATT	123	5
AXL-SNP	<u>5'CGCCAGGGTTTTCCCAGTCACGAC</u> CTTTGCTGCA TTCTGCCTCTCT	GGAAAGGAGGCATCCCTAAT	GTGCCTAGAACTATAAGATT	290	
AXL-BisSeq	GAGGTAGGGGTGTTGAGAAG	CCCCACACCTACCATCAT		356	14

The sequence for the biotin-labeled universal primer (5'-3') is underlined