

**Supplementary Table 1** Primer sequences used for dual luciferase reporter gene assay

SETDB2 promoter fragments	Forward (5'→3')	Reverse (5'→3')
SETDB2-full	CCCAAACGCAGAACTTGACG	GGTCCGGAGAGAACAATGGG
SETDB2-P1	TGTTTCTCCATGCATTTTGACAAG	TGATTCCATGCTTGTATCTTCCAC
SETDB2-P2	ATTCCTGATGCGAGATGTCTT	TGCATGAAAAGAAAGCCGATGT
SETDB2-P3	TCCTGCTCCATGAAGTGACC	GGCGTCAAGTTCTGCGTTTG
SETDB2-P4	GAGCTCCAGGAACCAATGT	ACTTGCGGAAAGGATGGGTT