

Table S1. m6A modification sites in human SNHG1 gene.

ModChr	ModStart	ModEnd	Strand	ModID	ModType	Motif Score	SupportNum	GeneName	GeneType	Region
chr11	62619719	62619720	-	m6A_sit e_75441	m6A	274.68	1	SNHG1, SNHG1	lincRNA, retained_intron	Exon, exon
chr11	62619752	62619753	-	m6A_sit e_75442	m6A	274.68	1	SNHG1, SNHG1	lincRNA, lincRNA, retained_intron	Exon, intron, exon
chr11	62619758	62619759	-	m6A_sit e_75443	m6A	299.78	1	SNHG1, SNHG1	lincRNA, lincRNA, retained_intron	Exon, intron, exon
chr11	62619793	62619794	-	m6A_sit e_75444	m6A	344.64	1	SNHG1, SNHG1	lincRNA, lincRNA, retained_intron	Intron, exon, exon
chr11	62620007	62620008	-	m6A_sit e_75445	m6A	226.96	1	SNHG1, SNHG1	lincRNA, lincRNA, retained_intron	Exon, intron, exon
chr11	62620025	62620026	-	m6A_sit e_75446	m6A	296.92	1	SNHG1, SNHG1	lincRNA, retained_intron , lincRNA	Exon, exon, intron
chr11	62620037	62620038	-	m6A_sit e_75447	m6A	296.92	1	SNHG1, SNHG1	retained_intron , lincRNA, lincRNA	Exon, intron, exon
chr11	62620394	62620395	-	m6A_sit	m6A	349.63	2	SNHG1,	retained_intron	Exon, intron,

				e_75448				SNHG1	, retained_intron , lincRNA	intron
chr11	62620433	62620434	-	m6A_sit e_75449	m6A	419.59	2	SNHG1, SNHG1	lincRNA, retained_intron , retained_intron	Intron, exon, intron
chr11	62620443	62620444	-	m6A_sit e_75450	m6A	299.78	2	SNHG1, SNHG1	retained_intron , retained_intron , lincRNA	Exon, intron, intron
chr11	62620493	62620494	-	m6A_sit e_75451	m6A	274.68	2	SNHG1, SNHG1	lincRNA, retained_intron , retained_intron	Intron, intron, exon
chr11	62621376	62621377	-	m6A_sit e_75452	m6A	274.68	1	SNHG1, SNHG1	retained_intron , retained_intron , lincRNA	Intron, exon, intron
chr11	62621387	62621388	-	m6A_sit e_75453	m6A	301.91	1	SNHG1, SNHG1	retained_intron , lincRNA, retained_intron	Intron, intron, exon
chr11	62621422	62621423	-	m6A_sit	m6A	274.68	1	SNHG1,	lincRNA,	Intron,

				e_75454				SNHG1	retained_intron , retained_intron	intron, exon
chr11	62622516	62622517	-	m6A_site_75455	m6A	349.63	1	SNHG1, SNHG1	retained_intron , lincRNA, retained_intron	Exon, intron, intron
chr11	62622542	62622543	-	m6A_site_75456	m6A	301.91	1	SNHG1, SNHG1	retained_intron , retained_intron , lincRNA	Exon, intron, intron
chr11	62622569	62622570	-	m6A_site_75457	m6A	294.79	1	SNHG1, SNHG1	lincRNA, retained_intron , retained_intron	Intron, intron, exon
chr11	62623253	62623254	-	m6A_site_75458	m6A	301.91	2	SNHG1, SNHG1	lincRNA, lincRNA, retained_intron	Exon, intron, exon

m6A, N⁶-methyladenosine; SNHG1, small nucleolar RNA host gene 1; lincRNA, long intergenic noncoding RNA; ModChr, modified chromosome; ModStart, modified chromosome start site ModEnd, modified chromosome end site; ModID, modified site identification number; ModType, modification category; SupportNum, number of eligible parts in position.

Table SII. Relationships between SNHG1 m6A modifications and METTL3 binding regions in humans.

RBP ID	ModID	ModType	SupportNum	RBPname	RBPtype	ClipExpNum	GeneName	GeneType	Region
RBP_site_ 485490	m6A_sit e_75456	m6A	1	METTL3	Writer	1	SNHG1, SNHG1, SNHG1	retained_intron, retained_intron, lincRNA	Exon, intron, Intron
RBP_site_ 485347	m6A_sit e_75454	m6A	1	METTL3	Writer	1	SNHG1, SNHG1, SNHG1	lincRNA, retained_intron, retained_intron	Intron, intron, exon
RBP_site_ 485275	m6A_sit e_75453	m6A	1	METTL3	Writer	1	SNHG1, SNHG1, SNHG1	retained_intron, lincRNA, retained_intron	Intron, intron, exon
RBP_site_ 484970	m6A_sit e_75451	m6A	2	METTL3	Writer	1	SNHG1, SNHG1, SNHG1	lincRNA, retained_intron, retained_intron	Intron, intron, exon
RBP_site_ 484912	m6A_sit e_75450	m6A	2	METTL3	Writer	1	SNHG1, SNHG1, SNHG1	retained_intron, retained_intron, lincRNA	Exon, intron, intron
RBP_site_ 484835	m6A_sit e_75449	m6A	2	METTL3	Writer	1	SNHG1, SNHG1, SNHG1	lincRNA, retained_intron, retained_intron	Intron, exon, intron

SNHG1, small nucleolar RNA host gene 1; m6A, N⁶-methyladenosine; METTL3, methyltransferase-like 3; lincRNA, long intergenic noncoding RNA; RBP, RNA-binding protein; RBP ID, identification number of RBP site; RBPTyp, class of associated RBP protein; ModID, modified site identification number; ModType, modification category; SupportNum, number of eligible parts in position; ClipExpNum, number of binding sites between modification and binding region.