

Table S1. All primers used in this study

A. Primer sequences used in qRT-PCR analysis

SNHG8-F	CAGTTTGGTTGCTGGTTAATT
SNHG8-R	CCGGCACCTCTAGGTTTTT
MAFB-F	TCAAGTTCGACGTGAAGAAGG
MAFB-R	GTTTCATCTGCTGGTAGTTGCT
SOX9-F	GCTCTGGAGACTTCTGAACGA
SOX9-R	CCGTTCTTCACCGACTTCCT
EPCAM-F	GTGCTGGTGTGTGAACACTG
EPCAM-R	GAAGTGCAGTCCGCAAACCT
KRT5-F	GGCGAGGAATGCAGACTCAG
KRT5-R	GTAGCTTCCACTGCTACCTCC
KRT8-F	GAGCTCTCCTCACCAAGAAGCAG
KRT8-R	CCTTGTAGGACTTCTGGGTCAC
KRT80-F	TGTGACCAGAGCAACCAGAG
KRT80-R	GCTGTCCCATCCTGAGGTTC
KRT10-F	ATGTCTGTTCGATACAGCTCAAG
KRT10-R	CTCCACCAAGGGAGCCTTTG
KRT13-F	GATTGGTTTCCCTTCCTCAGC
KRT13-R	GGACGCCAGGCAGATTTAAG
KRT14-F	CCAGTTCTCCTCTGGATCGC
KRT14-R	TCCAGTGGGATCTGTGTCCA
KRT16-F	ATTCTTCCC GCGAGGTCTTC
KRT16-R	GGCAGCTCAGTTCTAGGAGC
S100A7-F	GCACAAATTACCTCGCCGAT
S100A7-R	TGGCTCTGCTTGTGGTAGTC
S100A8-F	GTTTTTCAGGTGGGGCAAGTC
S100A8-R	AGGACACTCGGTCTCTAGCA
SPRR1A-F	TGCTCCGTATAACCAGCTTTCT
SPRR1A-R	GGCTGGCAAGGTTGTTTCAC
FLG-F	TGAAGCCTATGACACCACTGA
FLG-R	TCCCCTACGCTTTCTTGTCTT
IVL-F	TCCTCCAGTCAATACCCATCAG
IVL-R	CAGCAGTCATGTGCTTTTCCT
E2F1-F	GCCATCCAGGAAAAGGTGTGA
E2F1-R	GTGATGTCATAGATGCGCCG
E2F2-F	GACAGGACTGAGGACAACCTG
E2F2-R	CCATGATGCTAGGGTCGGTG
CDK1-F	AAACTACAGGTCAAGTGGTAGCC
CDK1-R	TCCTGCATAAGCACATCCTGA
CCND1-F	CAATGACCCCGCACGATTTC
CCND1-R	ATGAACTTCACATCTGTGGCA
CCNB1-F	AATAAGGCGAAGATCAACATGGC

CCNB1-R	TTTGTTACCAATGTCCCCAAGAG
CENPA-F	TTCCTCCCATCAACACAGTCG
CENPA-R	CACACCACGAGTGAATTTAACAC
CENPE-F	GATGACCTAGCAACTACACAGTC
CENPE-R	AAAGCACCCAAACTCGAATCA
CENPF-F	CTCTCCCGTCAACAGCGTTC
CENPF-R	GTTGTGCATATTCTTGGCTTGC
FOXM1-F	ATACGTGGATTGAGGACCACT
FOXM1-R	TCCAATGTCAAGTAGCGGTTG
CCNA2-F	CGCTGGCGGTACTGAAGTC
CCNA2-R	GAGGAACGGTGACATGCTCAT
CDC6-F	CCAGGCACAGGCTACAATCAG
CDC6-R	AACAGGTTACGGTTTGGACATT
MALAT1-F	GCTCTGTGGTGTGGGATTGA
MALAT1-R	GTGGCAAAATGGCGGACTTT
XIST-F	AGTGTACCTACCGCTTTGGC
XIST-R	TCCTCTGCCTGACCTGCTAT
ACTB-F	CATGTACGTTGCTATCCAGGC
ACTB-R	CTCCTTAATGTCACGCACGAT
U6-F	CGGCAGCACATATACTAAAA
U6-R	TATGGAACGCTTCACGAATT
18sRNA-F	GTAACCCGTTGAACCCATT
18sRNA-R	CCATCCAATCGGTAGTAGCG

B. Primer sequences used in *in vitro* transcription of SNHG8 isoforms or SNHG8 (T4) truncations

T7-SNHG8(T1)-F	TAATACGACTCACTATAGGGGGAATAGCGTCATCAGTTCT
T7-SNHG8(T2)-F	TAATACGACTCACTATAGGGGGCCTTTCACATTCGGGAA
T7-SNHG8(T3)-F	TAATACGACTCACTATAGGGGGAATAGCGTCATCAGTTC
T7-SNHG8(T4)-F	TAATACGACTCACTATAGGGGTGTCATGTGGCCATCTTGA
T7-SNHG8(T5)-F	TAATACGACTCACTATAGGGCTTTCACATTCGGGAAGCG
SNHG8-R	TAGCCACATGAATTAAGCATGGCCTTTCACATTCGGGAA
T7-4'S1m/4'S1m-SNHG8-F	TAATACGACTCACTATAGGGGGAATTCGTAGAAAATGCGGC
4x S1m-R	TTCTAGACCAGCAGATGCGG
4x S1m-SNHG8-Del 1-22/474-570-Xba1	GCCGCATCTGCTGGTCTAGACTACTCTGTCGCTCTTGTGC
4x S1m-SNHG8-Del 1-22/474-570-Apa1	CGGGTTTAAACGGGCCCTTCCAGGATATTATTCGGA
4x S1m-SNHG8-Del 317-480-Xba1-F	GCCGCATCTGCTGGTCTAGAGTGTGCATGTGGCCATCTTG
4x S1m-SNHG8-Del 317-480-Apa1-R	CGGGTTTAAACGGGCCCTGATAACTTCCAGGATATTA
SNHG8-Del 78-220-F	TGAGCCAGATATTTAATTGG
SNHG8-Del 78-220-R	CCAATTAATATCTGGCTCA
SNHG8-Del 327-470-F	TCAATGTTTCGAAGTTATCA
SNHG8-Del 327-470-R	TGATAACTTCGAAACATTGA
SNHG8 Del 131-261-F	TGGATTGTGAATACTGTAAAAAC
SNHG8 Del 131-261-R	GTTTTTAAACAGTATTCACAATCCA
4xS1m-Del 131-261-Apa1-R	CGGGTTTAAACGGGCCGTTTTTAAACAGTATTCACAATCCA
4xS1m-SNHG8-Xba1-F	GCCGCATCTGCTGGTCTAGAGTGTGCATGTGGCCATCTTG

4xS1m-SNHG8-Apa1-R	CGGGTTTAAACGGGCCCCGCCACATGAATTAAGCATTTTA
T7-SNHG8-NB-F:	TAATACGACTCACTATAGGGCACATGAATTAAGCATTTTATTTA
T7-SNHG8-NB-R:	ACTATCAAGAAATCCAAGTGG
T7-SNORA24-NB-F:	TAATACGACTCACTATAGGGGAATGTTACTTGTGCAAGTCA
T7-SNORA24-NB-R:	CTCCATGTATCTTTGGGACC
4xS1m-SNHG8 Del 262-570-Apa1-R	CGGGTTTAAACGGGCCCCGAATGTTACTTGTGCAAGT

C. shRNA or SgRNA target sequences

shSNHG8#1	TGGTAATGGGCGAAGTTTATT
shSNHG8#2	CAGTTTGGTTGCTGGTTAATT
SgRNA1	TCAGACGTGGACCATGTGCG
SgRNA2	TTTAGTGTACACGCTCATG
genomicSNHG8-F	AATCCCCCTCGCTTTCGTGACC
genomicSNHG8-R	TAAAAGAGTCTGCTGTCTCCCTTG
gH1.0	CAAGTATTCAGACATGATCG
gH1.2	CCTGGTAAGCAAGGGAACGT
gH1.3	AGGCGGCCAAGCCTAAGTCG
gH1.5	CAAGGCAGTTAAGCCGAAGG

D. Primer sequences used in RIP constructs

H1.0-BamHI-F (pQCXIN)	GATGATGACGATAAAGGATCCATGACCGAGAATTCCACGTCCG
H1.0-EcoRI-R (pQCXIN)	GGGGGGGGGGGGCGGAATTCACCTTCTTCTTGCCGGCCCTC
H1.2-BamHI-F (pQCXIN)	GATGATGACGATAAAGGATCCATGTCCGAGACTGCTCCTGC
H1.2-EcoRI-R (pQCXIN)	GGGGGGGGGGGGCGGAATTCCTATTTCTTCTTGGGCGCCGCC
H1.3-BamHI-F (pQCXIN)	GATGATGACGATAAAGGATCCCCAAGGCCAAAAGGCTGG
H1.3-EcoRI-R (pQCXIN)	GGGGGGGGGGGGCGGAATTCCTCACTTTTCTTCTCGGAGCTGCC
H1.5-BamHI-F (pQCXIN)	GATGATGACGATAAAGGATCCATGTCCGAAACCGCTCCTGC
H1.5-EcoRI-R (pQCXIN)	GGGGGGGGGGGGCGGAATTCCTACTTCTTTTGGCAGCCG

E. Primer sequences used in protein purification

H1.3-BamHI-F (pGEX-6p)	TTCCAGGGGGCCCCTGGGATCCCTCGGAGACTGCTCCACTTGC
H1.3-Xho1-R-6x-His (pGEX-6p)	GTCACGATGCGGCCGCTCGAGttaGTGGTGGTGGTGGTGGTG CTTTTCTTTCGGAGCTGCCTTC
H1.3-GD-BamHI-F (pGEX-6p)	TTCCAGGGGGCCCCTGGGATCCCGACCCCAAGTATCTGAGCTT
H1.3-GD-Xho1-R-6x-His (pGEX-6p)	GTCACGATGCGGCCGCTCGAGTTAGTGGTGGTGGTGGTGGTG TTGCCTTCCCCGAAGCC
H1.3-CTD-BamHI-F (pGEX-6p)	TTCCAGGGGGCCCCTGGGATCCCCAAGGCCAAAAGGCTGG
H1.3-CTD-Xho1-R-6x-His (pGEX-6p)	GTCACGATGCGGCCGCTCGAGttaGTGGTGGTGGTGGTGGTG CTTTTCTTTCGGAGCTGCCTTC

F. sequences of ChIRP probes

SNHG8-Probe1	AGATGGTGAGTAATAACCTG
SNHG8-Probe2	ACCTGTAGCAGTTTGGTTGC
SNHG8-Probe3	GTTGCTGGTTAATTCTGGAT
SNHG8-Probe4	TGGATTGTGAATCTCCATGT
SNHG8-Probe5	CATTCAGTTAAAAACCTA

SNHG8-Probe6	ACCTAGAGGGTGCCGGGTTA
SNHG8-Probe7	GGTTATTGGGCAAATTTCT
SNHG8-Probe8	TTTCTAAACCGTTGTTCAAT
SNHG8-Probe9	TCAATGTTTCTAGGAAGCTG
SNHG8-Probe10	AGATGGTGAGTAATAACCTGTAGCAGTTTGGTTGCTGGTTAATTC
SNHG8-Probe11	CATTCACTGTAAAAACCTAGAGGGTGCCGGGTATTGGGCAAATTTCTAAACCGTTGT
Lac Z-Probe1	TAGCCAGCTTTCATCAACAT
Lac Z-Probe2	AGCAGCAGACCATTTTCAAT
Lac Z-Probe3	GTGTGGGCCATAATTCAATT
Lac Z-Probe4	CGGCAGCCGTTATTATTATT
Lac Z-Probe5	GAAACTGTTACCCGTAGGTA
Lac Z-Probe6	CACGGCGTTAAAGTTGTTCT
Lac Z-Probe7	GGATCGACAGATTTGATCCA
Lac Z-Probe8	GTAGTTCAGGCAGTTCAATC
Lac Z-Probe9	CAACGGTAATCGCCATTTGA
Lac Z-Probe10	TGCAAGGCGATTAAGTTGGG

G. sequences of RNA-FISH probes

SNHG8-FISH probe-1	AATAATGAGTGGTAGACCGA
SNHG8-FISH probe-2	GACGATGTCCAATAATGAGT
SNHG8-FISH probe-3	TCTTAATTGGTCGTTGGTTT
SNHG8-FISH probe-4	TCTATGTACCTCTAAGTGTTA
SNHG8-FISH probe-5	TCTATGTACCTCTAAGTGTTAGGTCTTAATTGGTCGTTGGTTTGAC GATGTCCAATAATGAGTGGTAGACCGA
SNHG8-FISH probe-6	AGATCCAAAATTGTCA
SNHG8-FISH probe-7	AACGGGTTATTGGGCCGTGG
SNHG8-FISH probe-8	ACTTGTTGCCAAATCTTTAA
18S-FISH probe-1	ACCGTCCTAGTTGGTCCAT
18S-FISH probe-2	AGAAACTCTGTTTCGTATACG
18S-FISH probe-3	ACGCATGAGTCTGTACGTAC
18S-FISH probe-4	AGCGTCAAAGTGACATGGCC
18S-FISH probe-5	CTTGGTATTGACTAAATTAC
18S-FISH probe-6	CCTCTCCTCGCTCGCTGGTT
18S-FISH probe-7	CGAGATCTTAATGGTGTCAA
18S-FISH probe-8	CTAGACTATTTACGTGCGTA
18S-FISH probe-9	ATCCGTGCCGCTGATGGTAG
18S-FISH probe-10	AGTCCGAGGGAGAGGCCTTA
U6-FISH probe-1	GAGGGGACGGTCCATTCATA
U6-FISH probe-2	TGGTGGAAGCACTAGTACCA
U6-FISH probe-3	CCTATTCGGAGCGGGACCCT
U6-FISH probe-4	CCAGTCGTGTAGGCCTCACG
U6-FISH probe-5	GGTGTAACCCCTTTAGCGT
U6-FISH probe-6	GTGATGGTGTTTAATACGTC