

Stealth siRNA (Invitrogen)

Acf1	MSS278242
Anp32B	MSS244994
Asf1	MSS227786
Atrx	MSS212902
Baf45a	MSS231302
Caf1	MSS219448
Daxx	MSS203475
Dek	MSS272813
Dis3	MSS231716;MSS231718
Exosc3	MSS288012;MSS288013;MSS288047
Hells	MSS205089
Hira	MSS205134
Hjurp	Designed
Ino80	MSS228942
Iws1	MSS232049;MSS232050;MSS232051
Nap111	MSS285005
Nap113	MSS225671
Nasp	Designed
Nsd1	MSS276083
Rcor2	MSS272320
Ruvbl2	MSS208748
Scrap	MSS270699
Setd2	MSS215131
Smarca1	MSS225599
Spt16	MSS201669
Spt6	MSS209821
Spt6	HSS110374
Ssrp1	MSS209558
Suv39h2	MSS227126

Antibodies

Spt6	A300-803A	Bethyl	ChIP
S5P Pol II	ab5131	Abcam	ChIP
Pol II(H-224)	sc-9001	Santa Cruz	ChIP
Set1	ab70378	Abcam	ChIP
H2A	ab18255	Abcam	ChIP
H2B	ab1790	Abcam	ChIP
H3	ab1791	Abcam	ChIP
H3K4me3	17-614	Millipore	ChIP
H3K36me3	ab9050	Abcam	ChIP
H3K27me3	ab6002	Abcam	ChIP
H3R3	07-585	Millipore	ChIP
γ H2AX	05-636	Millipore	ChIP
Spt6	A300-802A	Bethyl	WB
Caf1	17037-1-AP	Proteintech	WB
Asf1	2769	Proteintech	WB
Atrx	S1800	Epitomics	WB
Dek	16448-1-AP	Proteintech	WB
Daxx	20489-1	Proteintech	WB

CH12F3-2A

ChIP Analysis

IgH locus

Forward primer

A 5'- CCGAAAGTCCAGGCTGAGCAAACACCACC
B 5'- AAGGGCTTCTAAGCCAGTCC
C 5'- AAAGAGACATTTGTGTGCTTTGAGTACCG
D 5'- CAATGTGGTTAATGAATTTGAAGTTGCCA
E 5'- GCTAAACTGAGGTGATTACTCTGAGGTAAG
F 5'- CAGCACCATTTCTTCCACCTGGAACACTACA
K 5'- ACACAGAAACCCCAAGATG
L 5'- CAGGGGCAGGTTAGAATGAA
M 5'- GAGTGTGGGGATCCAGGTAA
N 5'- GGATCTGCTGCCAAACTAA
H 5'- GTGATTCAGGGAGCAAGAGC
I 5'- TGAAGAACTTTGGATGAAATGTGAACCAA
J 5'- AGTGCCAGAAAGGAGAATCCGTGAAATGTT

Reverse primer

5'- AAGAGGACCTCTCCAGTTTCGGCTGAATCC
5'- CACAACCATACATTCCCAGGT
5'- ATGGTTAACAGGCAACATTTTTCTTTTAC
5'- TCTCACACTCACCTTGGATCTAAGCACTGT
5'- GTTTAGCTTAGCGGCCAGCTCATTCCAGT
5'- GGCTAGGTAAGTCCCTGCTCCTCAGTGT
5'- TTCCCAGAGTCACAGCCTTT
5'- GCTCTTCTGCGGTTTTTGAC
5'- CCTTCCATTTGCCATCAGTT
5'- GGTCAGACTGCAGGACAGC
5'- TCTAGCCTGGGAGTCTCCTG
5'- GATACTAGGTTGCATGGCTCCATTACACA
5'- GACCCCTAACGTTCTTTACCAGAGCAATT

AID locus

A 5'- CATGCACAGACCTTAGGTGTGATACCTGGG
B 5'- ACCCAGGAGGCAGATGTTGGATACCTGGTG
C 5'- GTAACAGACAGTCTCATCTGCTTGTGCAT
D 5'- CCAGCTGCAGCAACATAGAGATTTCCAGAC
E 5'- AGTGCTGAGGTTACAGGCACAAGCAACCTA
F 5'- CTGGCTGCCACGTGGAATTTGTTTCCCTAC
G 5'- CGAGATGCATTTGATGTTGGGATTTTGA

5'- TGGGCAGAGCCACACGGATTAATGATTGG
5'- GTCCATATCGGTCTCCAGCGTGACTTTCTT
5'- ATCTCTAGCAACACAGAGAAGAGAGAAACC
5'- TGCTGATTGAAATTTGATATGTTCCGCTT
5'- CCCAGCCATCTCCCTAATCCTCCTACTGGG
5'- CTTTGAAGGTCATGATCCCGATCTGGACCC
5'- AGTTACATCATTGCTCTGGCGGTCCTGTGC

Mutation analysis

5'-S μ 5'-AATGGATACCTCAGTGGTTTTTAATGGTGG

5'-GCGGCCCGGCTCATTCCAGTTCATTACAG

Transcript analysis

V- μ GLT 5'-TGGGGCCAAGGCACCACTCTCACAGTCTCC (JH2-F)
 μ GLT 5'- CTCTGGCCCTGCTTATTGTTG (I μ fwd.)
S μ -internal 5'- CAATGTGGTTAATGAATTTGAAGTTGCCA
 α GLT 5'- CCAGGCATGGTTGAGATAGAGATAG (I α fwd.)
S α -internal 5'- AATGGGCTGGGCTAGTCTGAACTGG
AID WT 5'- ATGGACAGCCTTCTGATGAAGCAAAAAG (mAID-F)
AID isoform 5'- TCTGGCTGCCACGTGGAATTTGTTCCCTA
AID intronic 5'- AGTGCTGAGGTTACAGGCACAAGCAACCTA
Hprt 5'- CTCGAAGTGTGGATACAGG

5'- AATGGTGTGGGCAGGAAGT (C μ rev.)
(C μ rev.)
(C μ rev.)
5'- GAGCTGGTGGGAGTGTACAGT(C α rev.)
(C α rev.)
5'- TCAAAATCCCAACATACGAAATGCATCTCG(mAID-R)
(mAID-R)
5'- CTTTGAAGGTCATGATCCCGATCTGGACCC
5'- TGGCCTATAGGCTCATAGTG

BL2

ChIP Analysis

Forward primer

IgH-V (1) 5'- CTCAGTGTGGGTTTTCTGTTTCA
IgH-V (2) 5'- CATCAGCAGTACTAATTACTACTTGGATTG
IgH-V (3) 5'- AGTCACCATGTCCGTAGACATGTCC

SNHG3 (1) 5'- GGAGCCAGGAGTGACCTATACTCA
SNHG3 (2) 5'- TATTCTAGTTGGTCAAGATTTACCT
SNHG3 (3) 5'- AGCCTGAGCTGAGAAAGATACTAGC

MALAT1 (1) 5'- TTAGAAGGTAAGCTTGAGAAGATG
MALAT1 (2) 5'- TTCAAGTGAATCTAGGAAGACAGCAG
MALAT1 (3) 5'- GATTTCCGGGTGTTGTAGGTTTCTC

Hygro-GFP (1) 5'- GGGGAATTCAGCGAGAGCCTGACCTATTGC
Hygro-GFP (2) 5'- TCATTGACTGGAGCGAGGCGATGTTCCGGG
Hygro-GFP (3) 5'- GGCGACGTAACCGCCACAAGTTCAGCGTG
Hygro-GFP (3) 5'- CAGCACGACTTCTTCAAGTCCGCCATGCC

C μ 5'- CTTCTTCCCGACTCCATCAC

Reverse primer

5'- GAGCCACCAGAGACAGTGAAGTGA
5'- CGACTCTCGAGGGATGGGTTGTAGT
5'- AGTCCCCCCTTCGAGCCACTGGT

5'- TTAATCTATTAGTACAGCAAAACCC
5'- GAACAGAGCATATGTTGAAGTTATG
5'- TGGGGAGAGTGACCTCCCAGGGTAT

5'- AGTCCTTTTAGTAGCTTTTGTAGTGT
5'- CCTGGACTCTTTTCTATCTTCCACCA
5'- AAACCCACAAACTTGCCATCTACTA

5'- ATCCATGGCCTCCGCGACCGGCTGCAGAAC
5'- GATGCCTCCGCTCGAAGTAGCGCTGTGCT
5'- GGTGGGCCAGGGCAGGGCAGCTTCCGGT
5'- CAGGGTGTCCGCTCGAACTTCCACTCGGC

5'- CGTTCTTTTCTTTGTTGCCGT

Mutation analysis

IgH-V 5'- ATCTCATGTGCAAGAAAATGAA
SNHG3 5'- GCCCAGGAGTGACCTATACTCAAA
MALAT1 5'- GGCAGAAGGCTTTTGAAGA
BL2-Smu 5'- ATGAATTCGCACCCTTGAAGTAGCC

5'- AGTCCCACCACGCAATCAT
5'- GGTATCCAGCTTGAAGTGTCA
5'- CAACATATTGCCGACCTCACGGAT
5'- ATGGATCCCAGTTCAGCCCTTGTTAGTC

Transcript analysis

IgH-V 5'- CTATAACCATGGTTCATGAAACACCTGTGGTTC
SNHG3 5'- CTACTACCTGGCGCACCTCCGCCTGAAGATTGCC
MALAT1 5'- GGACTTGGCTCAACTCCCTCTTTCTGGAGTGAAG
Hygro-GFP 5'- GCGAGAAGCGCGCCGCTCGACCGATGGC
SPT6 5'- CCCTCCAGACCCTCACCGA
GAPDH 5'- ATCCTGGGCTACACTGAGCA

5'- TGCATGCATTCTAGAAAGGGTTGGGGCGGATGCACTCC
5'- CCTCAACACCTTGGCAAGCAAGCTCTACAGTCCA
5'- ACTGGCTGCATCGAGGTGAGGGGTGAAGGGTCT
5'- GCACCAACCCCGTGAACAGCTCCTCGCCCT
5'- CGGCTGTTGGCATCAGGGTT
5'- GGTGGTCCAGGGGTCTTACT