Supplemental Table S7. Primer Sequences.

A. Primers used in RT-PCR and RT-qPCR analyses	
OCT4-FOR	TGCAGGCCCGAAAGAGAAAGCG
OCT4-REV	GGCTGATCTGCTGCAGTGTGGG
ADAR1-FOR	TCTGAACTGTGGCTACTG
ADAR1-REV	TTCCTCACTCTGCTCTTG
REX1-FOR	GGCGGAAATAGAACCTGTCA
REX1-REV	CTTCCAGGATGGGTTGAGAA
NANOG-FOR	CCGTTTTTGGCTCTGTTTTG
NANOG-REV	TCATCGAAACACTCGGTGAA
Pax6-FOR1	GGCAACCTACGCAAGATGGC

Pax6-REV1	TGAGGGCTGTGTCTGTTCGG
Pax6-FOR2	GCATTTGCATGTTGCGGAGT
Pax6-REV2	CCTGAACCAGAGCGGGAAAT
HoxB6-FOR	AACTCCACCTTCCCCGTCAC
HoxB6-REV	CTTCTGTCTCGCCGAACACG
SOX1-FOR	GCTGAGCACCACTACGACTTAG
SOX1-REV	AGCCAAGACCTAGATGCCAACA
HB9-FOR	AAGGCGGAAACCCACAGT
HB9-REV	TTTGAACGCTCGTGACATAA
GAPDH-FOR	GGTATCGTGGAAGGACTCATGAC
GAPDH-REV	ATGCCAGTGAGCTTCCCGTTCCAG
ZEB1-FOR	GTACCAGAGGATGACCTGCC
ZEB1-REV	GCCCTTCCTTTCCTGTGTCATC
SOX2-FOR	GGGAAAGTAGTTTGCTGCCTC
SOX2-REV	AGAGAGGCAAACTGGAATCAGG
TNFAIP6-FOR	GCTGCTGGATGGATGGCTAA
TNFAIP6-REV	CTCCTTTGCGTGTGGGTTGT
LIN28A-FOR	GAAGGGTTCCGGAGCTTGAA
LIN28A-REV	ACAGTTGTAGCACCTGTCTCC
TGFB2-FOR	GCGACGAAGAGTACTACGCC
TGFB2-REV	ATGGCATCAAGGTACCCACAG
CRABP2-FOR	TTCAAGTGCTGGCTTTGCG
CRABP2-REV	GGTCGTCAGGTTCTCTGGAT
GABRA3-FOR	TCGGTCTCTCCAAGTTTGTGC
GABRA3-REV	TAGGAGACAGCCCGCCAATG
FOXG1-FOR	CCCGTCAATGACTTCGCAGA
FOXG1-REV	GTCCCGTCGTAAAACTTGGC
GRIA2-FOR	ATGGCATCGCAACACCTAAA
GRIA2-REV	CTGGTCTTTTCCTTGGAATCAC
DLX5-FOR	CAGCCAAAGCTTATGCCGAC
DLX5-REV	CGGTCACTTCTTTCTCTGGCT
DLX2-FOR	GCCAACAACGAGCCTGAGAA
DLX2-REV	CTCCGGCAAGGCCAAGTATT
DLX6-FOR	GCGGAGGGAACTCCTACAAC
DLX6-REV	TTGTTGATCTGTGTCGTCCCC
DLX1-FOR	TTCCAGTTTGCAGTTGCAGG
DLX1-REV	ACCAGATCTTGACCTGAGTCT
HOXA4-FOR	GCTCTGTTTGTCTGAGCGCC
HOXA4-REV	AATTGGAGGATCGCATCTTGG
HOXA5-FOR	TCTCGTTGCCCTAATTCATCTTTT

HOXA5-REV	CATTCAGGACAAAGAGATGAACAGAA
HOXD3-FOR	TAATTGTGGTCACCTGGAGCC
HOXD3-REV	GCCTTCTGCATTGTGCACTC
ATP6V0B-FOR	GGGCTAGCACTGCTCTACTC
ATP6V0B-REV	GTCTCCGTCAGGAACCATGC
GSTP1-FOR	TATTTCCCAGTTCGAGGCCG
GSTP1-REV	TACAGGGTGAGGTCTCCGTC
PCLO-FOR	TCCGCATTCAACCAACAAAGC
PCLO-REV	TGCTGCTTCCTTCACTGTCC
HOXB9-FOR	CGCCCGAGTACAGTTTGGAA
HOXB9-REV	CGGAGGGGTTGGTTTGATCC
MDK-FOR	TCAGACCGGTTCTGGAGACAA
MDK-REV	TCACCTTATCTTTCTTTTTGGCGAC
NMU-FOR	ATTCTCAGCCTCAGGCATCC
NMU-REV	CAACGGATGCACAACTGACG
S100A6-qF	GAACAAGGACCAGGAGGTGA
S100A6-qR	CCCTTGAGGGCTTCATTGTA
SFRP1-qF	TAGATGCAGGAGGCTCAGGT
SFRP1-qR	GGTCAGAACGGCCAGTATGT
BAX-qF	AACATGGAGCTGCAGAGGAT
BAX-qR	CAGTTGAAGTTGCCGTCAGA
has-miR-200a-3p	TAACACTGTCTGGTAACGATGT
has-miR-96-5p	TTTGGCACTAGCACATTTTTGCT
hsa-miR-302a-5p	ACTTAAACGTGGATGTACTTGCT
hsa-miR-302a-3p	TAAGTGCTTCCATGTTTTGGTGA
hsa-miR-302b-3p	TAAGTGCTTCCATGTTTTAGTAG
hsa-miR-302c-3p	TAAGTGCTTCCATGTTTCAGTGG
hsa-miR-302d-3p	TAAGTGCTTCCATGTTTGAGTGT
has-miR-367-3p	AATTGCACTTTAGCAATGGTGA
miR302a-FOR	CACCACTTAAACGTGGATGT
miR302a-REV	CCATCACCAAAACATGGAAG
miR302b-FOR	GCTCCCTTCAACTTTAACATG
miR302b-REV	ACTCCTACTAAAACATGGAAG
miR302c-FOR	CCTTTGCTTTAACATGGGGGTA
miR302c-REV	CCTCCACTGAAACATGGAAG
miR302d-FOR	CCTCTACTTTAACATGGAGGC
miR302d-REV	CCACACTCAAACATGGAAGCA
miR367-FOR	CCATTACTGTTGCTAATATGC
miR367-REV	CCATCACCATTGCTAAAGTGC
miR200a-FOR	CTGTGAGCATCTTACCGGAC

miR200a-REV	GCGGGTCACCTTTGAACATC
miR200b-FOR	CCAGCTCGGGCAGCCGTG
miR200b-REV	CGTGCAGGGCTCCGCCGTCA
miR200c-FOR	CCCTCGTCTTACCCAGCAGT
miR200c-REV	CCTCCATCATTACCCGGCAG
miR96-FOR	TGGCCGATTTTGGCACTAGC
miR96-REV	TTTCCCATATTGGCACTGCAC
U6-FOR	CTCGCTTCGGCAGCACA
U6-REV	AACGCTTCACGAATTTGCGT
pri-miR302-#1-FOR	GTTCTTGGCTACAGGCCATT
pri-miR302-#1-REV	CCATCACCATTGCTAAAGTGC
pri-miR302-#2-FOR	AAGGGATCCCCTTTGCTTTA
pri-miR302-#2-REV	TGGAGACACCTCCACTGAAA
pri-miR302-#3-FOR	TGCCATTTTGTTTTCTTTCTCCTCA
pri-miR302-#3-REV	GGAGCCCACCCAACATACAA
pre-miR-577-F	GCTGTATTTGGGGGAGTGAA
pre-miR-577-R	TGAAACCTGGCCTCAGATTC
pre-miR-191-F	AACGGAATCCCAAAAGCAG
pre-miR-191-R	GAGAGCAGGGGACGAAATC
pre-miR-30a-F	ATCCTCGACTGGAAGCTGTG
pre-miR-30a-R	TTGAAGTCCGAGGCAGTAGG
pre-miR-30e-F	CTTTCTGGGCAGTCTTTGCT
pre-miR-30e-R	CATCCGACTGAAAGCTCCTC
pre-miR-30d-F	TAAACATCCCCGACTGGAAG
pre-miR-30d-R	CGGTAGCAGCAAACATCTGA
mat-miR-577	TAGATAAAATATTGGTACCTG
mat-miR-191-5P	CAACGGAATCCCAAAAGCAGCTG
mat-miR-30a-5p	TGTAAACATCCTCGACTGGAAG
mat-miR-30e-5p	TGTAAACATCCTTGACTGGAAG
mat-miR-30d-5P	TGTAAACATCCCCGACTGGAAG
mat-miR-302a-5p	ACTTAAACGTGGATGTACTTGCT

B. Primers for editing detection	
chr14:23441401-23441494-FOR	TCTGGGGAGGCTAGGTAGGT
chr14:23441401-23441494-REV	CCTTGAAATACCAAAGCATGA
chr2:37328000-37328100-FOR	CCTCAAGCTCACTGTCACCA
chr2:37328000-37328100-REV	TGGATGTGGGGATTAAGGAA

C. Primers used in constructs and mutagenesis

ADAR1-sh2507-FOR	CGCGTCCCCGCCCAAGTTCGTTTACCAAGCTTCAAGAGAGCTTGGTAAACGAACTTGGGCTTTTTGGAAAT
ADAR1-sh2507-REV	CGATTTCCAAAAAGCCCAAGTTCGTTTACCAAGCTCTCTTGAAGCTTGGTAAACGAACTTGGGCGGGGA
ADAR1-sh2794-FOR	CGCGTCCCCGCTTCAACACTCTGACTAACATTCAAGAGATGTTAGTCAGAGTGTTGAAGCTTTTTGGAAAT
ADAR1-sh2794-REV	CGATTTCCAAAAAGCTTCAACACTCTGACTAACATCTCTTGAATGTTAGTCAGAGTGTTGAAGCGGGGA
ADAR1-sh3413-FOR	CGCGTCCCCGCAGCCCATTTATCTCAAATCTTCAAGAGAGATTTGAGATAAATGGGCTGCTTTTTGGAAAT
ADAR1-sh3413-REV	CGATTTCCAAAAAGCAGCCCATTTATCTCAAATCTCTCTTGAAGATTTGAGATAAATGGGCTGCGGGGA
ADAR1-sh3430-FOR	CGCGTCCCCGTCTGTCACATTGGGTTACCTTCAAGAGAGGTAACCCAATGTGACAGATTTTTGGAAAT
ADAR1-sh3430-REV	CGATTTCCAAAAATCTGTCACATTGGGTTACCTCTCTTGAAGGTAACCCAATGTGACAGACGGGGA
ADAR1-sh3464-FOR	CGCGTCCCCGCATCTGACCCGTGCTATTTGTTCAAGAGACAAATAGCACGGGTCAGATGCTTTTTGGAAAT
ADAR1-sh3464-REV	CGATTTCCAAAAAGCATCTGACCCGTGCTATTTGTCTCTTGAACAAATAGCACGGGTCAGATGCGGGGA
ADAR1-sh3743-FOR	CGCGTCCCCGCTCTGCTCCTTCCGTTACTTCAAGAGAGTAACGGAAGGAGCAGAGCTTTTTGGAAAT
ADAR1-sh3743-REV	CGATTTCCAAAAAGCTCTGCTCCTTCCGTTACTCTCTTGAAGTAACGGAAGGAGCAGAGCGGGGA
ADAR1-sh4146-FOR	CGCGTCCCCGAGGCAGAAACCTAAGAAGTTCAAGAGACTTCTTAGGTTTCTGCCTCTTTTTGGAAAT
ADAR1-sh4146-REV	CGATTTCCAAAAAGAGGCAGAAACCTAAGAAGTCTCTTGAACTTCTTAGGTTTCTGCCTCGGGGA
ADAR1-sh4642-FOR	CGCGTCCCCGTCTAGAACCAGCCAGACTTTCAAGAGAAGTCTGGCTGGTTCTAGACTTTTTGGAAAT
ADAR1-sh4642-REV	CGATTTCCAAAAAGTCTAGAACCAGCCAGACTTCTCTTGAAAGTCTGGCTGGTTCTAGACGGGGA
ADAR1-sh4974-FOR	CGCGTCCCCGTTGACTAAGTCACATGTAAATTCAAGAGATTTACATGTGACTTAGTCAACTTTTTGGAAAT
ADAR1-sh4974-REV	CAGTTTCCAAAAAGTTGACTAAGTCACATGTAAATCTCTTGAATTTACATGTGACTTAGTCAACGGGGA
Flag-ADAR1-P110-FOR	CGCGGATCCATGGACTACAAAGACGATGACGACAAGATGGCCGAGATCAAGGAGAAAATCTGC
Flag-ADAR1-P110-REV	AAGGAAAAAAGCGGCCGCCTATACTGGGCAGAGATAAAAGTTCTTTTCCTCC
E912A-FOR	GGAGAAACTGTCAATGACTGCCATGCAGCAATAATCTCCCGGAGAGGCTTCATCAGG
E912A-REV	CCTGATGAAGCCTCTCCGGGAGATTATTGCTGCATGGCAGTCATTGACAGTTTCTCC
EAA1-FOR	GCTGAAGCTGGAAGCGAGGCCGTGGCGGCGCAGGATGCAGCTATGAAAGC

EAA1-REV	GCTTTCATAGCTGCATCCTGCGCCGCCACGGCCTCGCTTCCAGCTTCAGC
EAA2-FOR	CCAGTGTGAGTGCACCCAGCGAGGCAGTGGCAGCGCAGATGGCCGCAGAGG
EAA2-REV	CCTCTGCGGCCATCTGCGCTGCCACTGCCTCGCTGGGTGCACTCACACTGG
EAA3-FOR	CGTCTGCGCACACAGCGAGGCCCAAGGGGCGCAGGAAGCAGCAGATGC
EAA3-REV	GCATCTGCTGCTTCCTGCGCCCCTTGGGCCTCGCTGTGTGCGCAGACG
miR302-promoter-FOR	CGACGCGTGCATTAATTCCTTAACTAGTAACATTTAC
miR302-promoter-REV	GAAGATCTTAAAAGGCAGGGACTTCAGCCACTTC

D. Primer used for *in vitro* processing	
IVT-pre-miR302-F-T7	TGAATTGTAATACGACTCACTATAGGGCCACCACTTAAACGTGGATGTACTTGCTTTG
IVT- pre-miR302-R	CCATCACCAAAACATGGAAGCACTTACTTCTTTAGTTTCAAAGCAAGTACATCCACGT
IVT-miR302-F-T7	TGAATTGTAATACGACTCACTATAGGGTACAGGTTAAAGGATTCTAAC
IVT- miR302-R	AAAGGAAGACTTACCATCACCAA
IVT-miR302-F	TACAGGTTAAAGGATTCTAAC
IVT- miR302-R-Sp6	CCAAGCTATTTAGGTGACACTATAGAAAAGGAAGACTTACCATCACCAA

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