Table S8. Oligonucleotides used in this study

Name	Oligonucleotide Sequence	Application
lucp6	5'-GCACCCGGGGAAGACGCCAAAAACATAAAAGAAA-3'	McrBC-PCR, Southern blot
lucp7	5'-GGACCCGGGTGCGATCTTTCCGCCCTTCTTGGCCT-3'	McrBC-PCR, Southern blot
Actin1-F	5'-CCAAGCAGCATGAAGATCAA-3'	McrBC-PCR
Actin1-R	5'-TGAACAATCGATGGACCTGA-3'	McrBC-PCR
35Sf	5'-CAAAGCAAGTGGATTGATGTGA-3'	McrBC-PCR, Southern blot
35Sr	5'-TTTCCACGATGCTCCTCGT-3'	Southern blot
LUC 0.13k R	5'-TATGTGCATCTGTAAAAGCAA-3'	McrBC-PCR
YZ 35S Bis F	5'-AttAtTGTyGGtAGAGGtATtTTGAAyGATAGtt-3'	Bisulfite sequencing
YZ LUC Bis R	5'-CATCTaTAAAAaCAATTaTTCCAaaAACCAaa-3'	Bisulfite sequencing
N_UBQ5	5'-GGTGCTAAGAAGAGGAAGAAT-3'	RT-PCR, loading control
C_UBQ5	5'-CTCCTTCTTTCTGGTAAACGT-3'	RT-PCR, loading control
LUCmF5	5'-CTCCCCTCTCTAAGGAAGTCG-3'	RT-PCR for LUC
LUCmR5	5'-CCAGAATGTAGCCATCCATC-3'	RT-PCR for LUC
At2g19990 -F	5'-TCACCCGAACAGTTGGAAGAA-3'	McrBC-PCR
At2g19990 -R	5'-GTGAGGAACCGGTCCATTATTGCT-3'	McrBC-PCR
Cluster4-F1	5'-CGTCCTCAAAGTTCCAGAGAT -3'	qRT-PCR

Cluster4-R1	5'-CGGTATTCTCCATCCCAAAG -3'	qRT-PCR
AtCopia2-F1	5'-TTGCCCCAACAACAAAAA -3'	qRT-PCR
AtCopia2-R1	5'-CAGAGAAAGAGATAGAAGAAATGA -3'	qRT-PCR
AtMuI-F1	5'-GGCAGTCGGTTTGTCATTCT -3'	qRT-PCR
AtMuI-R1	5'-CCTTCTTGGCATGGTTCTTC -3'	qRT-PCR
MEA ISR-F1	5'-CGCGAACGACTATTGCTAAA -3'	qRT-PCR B region
MEA ISR-R1	5'-ACGATTCCACAAATCCAACA-3'	qRT-PCR B region
MEA-RT-R	5'-TGAAATCTAACCGGATTTTGG -3'	Gene specific primer for RT B region
LNA-siR1003	5'-A+TGC+CAA+GTT+TGG+CCT+CAC+CGT+C-3'	Probe for northern blot
LNA-cluster4	5'-AA+GATC+AAAC+ATCA+GCA+GCGTC+AG+AGG+CTT-3'	Probe for northern blot
SoloLTR	5'-GGATTCACGATTAGAGAACGTAGA-3'	Probe for northern blot
LNA-miR173	5'-GT+GAT+TTC+TCT+CTG+TAA+GCG+AA-3'	Probe for northern blot
ACTIN60-F	5'-ATCCCTCAGCACCTTCCAAC-3'	qRT-PCR; control
ACTIN60-R	5'-AAAATCCACATAACAACAGATAGTTCA-3'	qRT-PCR; control
Chloro_up_bis F	5'-TATGGTGAGYTACAATAATGGTTAAAGAG-3'	Bisulfite sequencing
Chloro_up_bis R	5'-TATCTTTACCRATTAACCAATTTCTAAAC-3'	Bisulfite sequencing
IGN24-F	5'-CGCATACGATGGTCGGAGAGTT -3'	RT-PCR B region
IGN24-R	5'-GCTTATCATTATCCAAACTTGATCCTATCCTAAA -3'	RT-PCR B region
AtSN1-F	5'-CCAGAAATTCATCTTCTTTGGAAAAG-3'	RT-PCR B region
AtSN1-R	5'-GCCCAGTGGTAAATCTCTCAGATAGA-3'	RT-PCR B

		region
IGN26-F	5’-CTCTTTCAGTGCGACAGCCTCAT-3’	RT-PCR B region
IGN26-R	5’-CGGCCAGGAAACCCTAACTTCC-3’	RT-PCR B region
IGN5-F	5’-CGCAGCGGAATTGACATCCTATC-3’	RT-PCR B region
IGN5-R	5’-TCGGAAAGAGACTCTCCGCTAGAAA-3’	RT-PCR B region
IGN25-F	5’-CTTCTTATCGTGTTACATTGAGAACTCTTTCC-3’	RT-PCR B region
IGN25-R	5’-ATTCGTGTGGGCTTGGCCTCTT-3’	RT-PCR B region
IGN15-F	5’-CCATAGCATAGAAACTTGGCGATATATGAA-3’	RT-PCR B region
IGN15-R	5’-CGGAAAAGGTAAGGTGGTTGGAAAA-3’	RT-PCR B region
IGN23-F	5’-ACTGAAAATTGTAAACAAAGAAACGGCACTACA-3’	RT-PCR B region
IGN23-R	5’-GATCGGTCCATAAACTTGTTGGGTTT-3’	RT-PCR B region
AtSN1-F	5’-ACCAACGTGCTGTTGGCCCAGTGGTAAATC-3’	qRT-PCR A region; ChIP-qPCR; McrBC-qPCR
AtSN1-R	5’-AAAATAAGTGGTGGTTGTACAAGC-3’	qRT-PCR A region; ChIP-qPCR; McrBC-qPCR
AtMu1-F1	5’-CCGAGAACTGGTTGTGGTTT-3’	qRT-PCR A region; ChIP-qPCR; McrBC-qPCR
AtMu1-R1	5’-GCTCTTGCTTTGGTGATGGT-3’	qRT-PCR A region; ChIP-qPCR; McrBC-qPCR
IGN5-F	5’-AAGCCCAAACCATACACTAATAATCTAAT-3’	ChIP-qPCR
IGN5-R	5’-CCGAATAACAGCAAGTCCTTTTAATA-3’	ChIP-qPCR

IR-71 F1	5'-TATCATCCTTCTGGTTTTGG-3'	qRT-PCR A region; McrBC-qPCR
IR-71 R1	5'-AAGCAACATTCATTTCAGC-3'	qRT-PCR A region; McrBC-qPCR
siR02-F2	5'-CAATATGTTCTTCACCATCG-3'	qRT-PCR A region; McrBC-qPCR
siR02-R2	5'-ATTTGCGAAACTAATGGAAG-3'	qRT-PCR A region; McrBC-qPCR
cluster4-F	5'-CGTCCTCAAAGTTCCAGA-3’	qRT-PCR A region; McrBC-qPCR
cluster4-R	5'-GGTATTCTCCATCCCAAAG-3’	qRT-PCR A region; McrBC-qPCR
SoloLTR;IG/LINE-F	5’-AACTAACGTCATTACATACACATCTTG-3’	ChIP-qPCR
SoloLTR;IG/LINE-R	5’-AATTAGGATCTTGTTTGCCAGCTA-3’	ChIP-qPCR
AtGP1-F	5'-TGGTTTTTCCTGTCCAGTTTG-3’	qRT-PCR A region; ChIP-qPCR; McrBC-qPCR
AtGP1-R	5'-AACAATCCTAACCGGGTTCC-3’	qRT-PCR A region; ChIP-qPCR; McrBC-qPCR
EIF4A1-F	5'-TCTTGGTGAAGCGTGATGAG-3’	ChIP-qPCR
EIF4A1-R	5'-GCTGAGTTGGGAGATCGAAG-3’	ChIP-qPCR
chr2_1882324_CHH-F	5'-CGAGCCAAAAATTGTTGAAAT-3'	McrBC-qPCR

chr2_1882324_CHH-R	5'-TTTGAGGGGATAGAGTATCTCTTG-3'	McrBC-qPCR
TOP1αgeno-F	5'-CACCGGCAAGACGGATCTGGAGGG-3'	Generation of *TOP1α-HA*
TOP1αgeno-R	5'-GGGTAAACGAGATCGTTGAATGAC-3'	Generation of *TOP1α-HA*