

SUPPLEMENTAL DATA

Supplemental Table I

WT and MUT (INE) biotinylated oligonucleotides

Name	Sequences
WT-INE	TGATGCAAC
MUT-INE	TG <u>t</u> aa <u>C</u> cAC
3xWT-INE	(GCGTGGTGCATGATGCAACAGCGGGAGGGA) ₃
3xMUT-INE	(GCGTGGTGCATG <u>t</u> aa <u>C</u> cACAGCGGGAGGGA) ₃

The oligonucleotide names and their corresponding sequences are listed in the table. Underlined lower-case letters denote mutated nucleotides.

Supplemental Table II

Identification of proteins associated with the WT and MUT (INE) by mass spectrometry

<u>Probe</u>	<u>Protein name</u>	<u>Calculated M.W.</u> (kDa)	<u>Peptide #</u> (% Seq. coverage)
3xWT-INE	Purine rich binding protein A	33	10 (27%)
	Purine rich binding protein B	33	12 (46%)
	Poly (ADP-ribose) polymerase family member 1	113	8 (12%)
3xMUT-INE	Purine rich binding protein B	33	7 (23%)
	Poly (rC) binding protein 1	38	6 (19%)
	Poly (ADP-ribose) polymerase family member 1	113	9 (13%)

The interacting proteins to the biotinylated oligonucleotide probe are listed in the table. Their molecular weights, the number of peptide recovered, and the percentage of the sequence covered are included.

Supplemental Table III

Sequences of RT-PCR and ChIP Primers and siRNA

mRNA	Sequence	
18S	Forward	5'-CAACAACCTGGGCTAAGGGTCACTAC-3'
	Reverse	5'-CACCACATCCAAGACAGAGTCAACC-3'
ASNS	Forward	5'-TTGACCCGCTGTTTGGGAATG-3'
	Reverse	5'-CGCCTTGTGGTTGTAGATTTTCAC-3'
β -GAL	Forward	5'-ATCTCTATCGTGCGGTGGTTGAACTG-3'
	Reverse	5'-ATGACCTGACCATGCAGAGGATGATG-3'
Cat-1	Forward	5'-CTTTGGATTCTCTGGTGTCCCTGTC-3'
	Reverse	5'-GTTCTTGACTTCTTCCCCTGTGG-3'
GAPDH	Forward	5'-ACTTTGGCATCGTGGAAGGG-3'
	Reverse	5'-TCATCATACTTGGCAGGTTTCTCC-3'
Cat-1 5'-UTR/LUC	Forward	5'-ATCCCCTCAGCTAGCAGGTGTGA-3'
	Reverse	5'-TTTCTTTATGTTTTTGGCGTCTTC-3'
rRPL27	Forward	5'-GCAAGAAGAAGATCGCCAAG-3'
	Reverse	5'-CGCTCCTCAAACCTTGACCTT-3'
ChIP Primers	Sequence	
Cat-1 exon1 AARE	Forward	5'-CGCTGTCATTGGTGCCTGGGAAG-3'
	Reverse	5'-GGAATCCGAGCCGGTTTCATCAG-3'
Cat-1 INE	Forward	5'-CGCCTCCTCCGAGTCCATCTTG-3'
	Reverse	5'-CCAGGTCGCCCCGTGCTCAC-3'
siRNA	Sequence	
Pura α		5'-GUUUCUACCUGGACGUGAA-3'
		5'-GCGACUACCUGGGCGACUU-3'
		5'-ACAAGUACGGCGUGUUUAU-3'
		5'-GGAAGAAGAUUGAUCAAAC-3'

The sequences of primers and siRNA used in this study are listed in the table.