

Supplementary Materials: La Autoantigen Induces Ribosome Binding Protein 1 (RRBP1) Expression through Internal Ribosome Entry Site (IRES)-Mediated Translation during Cellular Stress Condition

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Table S1. Primers for deletion analysis.

Vector Construct	Prime Sequences 5'–3'
-277 to -197	F1: GGAATTCCATATGCGGCGATCCCGGCGGAGG R1: CGGAATTCGCTGGCTGC GTGCGCGC
-277 to -157	F1: GGAATTCCATATGCGGCGATCCCGGCGGAGG R2: CGGAATTCCTGACGCCGC CCGCCCC
-277 to -58	F1: GGAATTCCATATGCGGCGATCCCGGCGGAGG R3: CGGAATTCAGGAGCCGCCGCCTTCGCAG
-237 to -1	F2: GGAATTCATATGCAGAAAGTGCCACGACTCCACA R4: CGGAATTCCTGGCTTGCTTTTCCTTTACCTG
-197 to -1	F3: GGAATTCATATGGAGCGGCCGGAGCGGAC R4: CGGAATTCCTGGCTTGCTTTTCCTTTACCTG
-157 to -1	F4: GGAATTCATATGGGGTCGCAGCGTCTACAGCT R4: CGGAATTCCTGGCTTGCTTTTCCTTTACCTG
-107 to -1	F5: GGAATTCATATGGCCGGCTCCTCTCTCCCG R4: CGGAATTCCTGGCTTGCTTTTCCTTTACCTG

All primers are given in 5' to 3' direction. Restriction sites (RE) are in italic.

Table S2. Primers for RT-PCR and qPCR.

Description	Prime Sequences 5'–3'
RRBP1	F1: TTCAACGAGGGCGAGGCCAG R1: CGTGCCTGCACAGCCGTGATCT
β -actin	F2: TGAAGTGTGACGTGGACATC R2: GGAGGAGCAATGATCTTGAT
FL	F3: ATGGAAGATGCCAAAACATTAAGAAGG R3: ACGGGCATGAAGAACTGCAAG

Table S3. Primers for mutational analysis.

Mutants	Prime Sequences 5'–3'
mut1	F1: GGAATTCCATATGCGGCGATCCCGGCGGAGGGGGCCGTTCCGCCAGCTCTGAGGCAGAAA GTGCCACTTTATTTATAGCGCGCACGCAGCCAGCGAGCGGCCGGAGCGGACGGCA R1: CGGAATTCCTGGCTTGCTTTCCTTTCACC
mut2	F2: GGAATTCCATATGCGGCGATCCCGGCGGAGGGGGCCGTTCCGCCAGCTCTGAGGCAGAAA GTGATTTGACTCCACACTATCGCACGCAGCCAGCGAGCGGCCGGAGCGGACGGCA R1: CGGAATTCCTGGCTTGCTTTCCTTTCACC
mut3	F3: GGAATTCCATATGCGGCGATCCCGGCGGAGGGGGCCGTTCCGCCAGCTCTGAGGCAGAAA GTGCCACGACTCCACACGCGCGCACTTAGCCAGCGAGCGGCCGGAGCGGACGGCA R1: CGGAATTCCTGGCTTGCTTTCCTTTCACC
mut4	F4: GGAATTCCATATGCGGCGATCCCGGCGGAGGGGGCCGTTCCGCCAGCTCTGAGGCAGAAA GTGCCACGACTCCACACGCGCGCACGCATTTAGCGAGCGGCCGGAGCGGACGGCAGA R1: CGGAATTCCTGGCTTGCTTTCCTTTCACC
mut5	F5: GGAATTCCATATGCGGCGATCCCGGCGGAGGGGGCCGTTCCGCCAGCTCTGAGGCAGAAA GTGCCACGACTCCACACGCGCGCACGCAGCCATCGAGCGGCCGGAGCGGACGGCAGA R1: CGGAATTCCTGGCTTGCTTTCCTTTCACC
mut6	F6: GGAATTCCATATGCGGCGATCCCGGCGGAGGGGGCCGTTCCGCCAGCTCTGAGGCAGAAA GTGCCACGACTCCACACGCGCGCACGCAGCCAGCGA F7: CTCACACGCGCGCACGCAGCCAGCGAGCGGCCGGAGCGGACGGCAGACGGGGCGGTT ATCGTCAGGGTCGCAGCGTCTACA R1: CGGAATTCCTGGCTTGCTTTCCTTTCACC
mut8	F8: GGAATTCCATATGCGGCGATCCCGGCGGAGGGGGCCGTTCCGCCAGCTCTGAGGCAGAAA GTGCCACGACTCCACACGCGCGCACGCAGCCAGCGAGCGGCCGGA F9: CGCGCGCACGCAGCCAGCGAGCGGCCGGAGCGGACGGCAGACGGGGCGGGCGGCGTC AGGGTCGCAGTAATATATTCTGCTCGGGGGCGGTTTCTTGCGGGA R1: CGGAATTCCTGGCTTGCTTTCCTTTCACC
mut9	F10: GGAATTCATATGCGGCGATCCCGGCGGAGGGG R2: AGGAGCCGCCCTTCGCAGCCGCCGCGGAGCCGGGAGAGAGAGCCGGCCAAAGCCTC CGCCAAGAAATTAACCCCGAGCAGCTGTAGACGCTGCGA R3: CGGAATTCCTGGCTTGCTTTCCTTTCACCTGCAGCCAGAGACGCGAGAGGGAAAGCGAG AGGGCAGGAGCCGCCCTTCGCAGCCGCCGCGGA
mut10	F10: GGAATTCATATGCGGCGATCCCGGCGGAGGGG R4: GCCGCCCTTCGCAGCCGCCGCGGAGCCGGGAGAGAGAGCCGGCTTGGCCTCCGCTG TTTACC GCCCCGAGCAGCTGTAGACGCT R5: CGGAATTCCTGGCTTGCTTTCCTTTCACCTGCAGCCAGAGACGCGAGAGGGAAAGCGAG AGGGCAGGAGCCGCCCTTCGCAGCCGCCGCGGA
mut11	F10: GGAATTCATATGCGGCGATCCCGGCGGAGGGG R6: GCCGCCCTTCGCAGCCGCCGCGGAGCCGGGAGAGAGAGCCGGCCAAATAAAATAC AAGAAACCGCCCCGAGCAGCTGTAGA R7: CGGAATTCCTGGCTTGCTTTCCTTTCACCTGCAGCCAGAGACGCGAGAGGGAAAGCGAG AGGGCAGGAGCCGCCCTTCGCAGCCGCCGCGGA
mut12	F10: GGAATTCATATGCGGCGATCCCGGCGGAGGGG R8: CGGAATTCCTGGCTTGCTTTCCTTTCACCTGCAGCCAGAGACGCGAGAGGGAAAGCGAG AGGGCAGGAGCCGCCCTTCGCAGCATAAACGGAGCCGGGAGAGAGAGCCGGCCA
mut13	F10: GGAATTCATATGCGGCGATCCCGGCGGAGGGG R9: CGGAATTCCTGGCTTGCTTTCCTTTCACCTGCAGCCAGAGACGCGAGAGGGAAAGCGAG AGGGCAGGAGCCGCAATAAATAAGCCGCCGCGGAGCCGGGAGAGAGGA

All primers are given in 5' to 3' direction. Restriction sites (RE) are in italic. The sequence of mut8 was synthesized by Sangon Biotech. Co (Shanghai, China).