



UNQ247 (MEM709T2) Project Materials



Working to Improve Patients' Lives

UNQ247 (MEM709T2) Genomic Insertion Site

Surrounding Sequence of the Insertion Site:

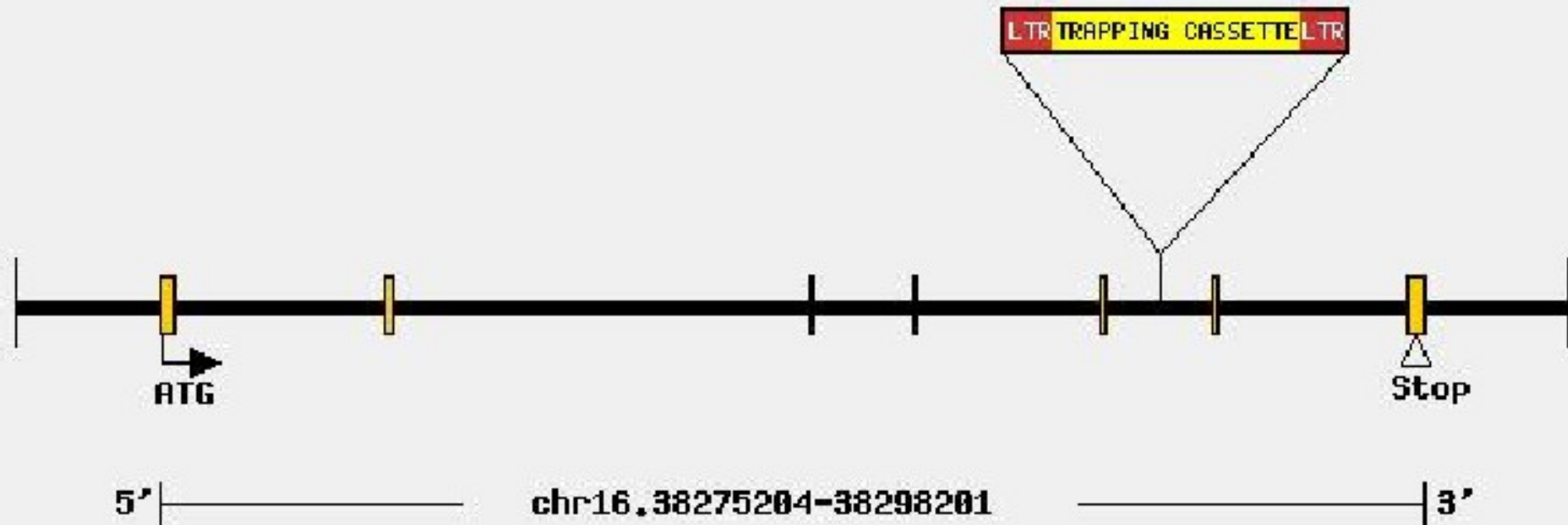
Listed below is a portion of the mouse genomic sequence (from mouse chr.16) surrounding the gene-trap insertion site in the MEM709T2 OmniBank® mouse line. The sequence below includes 250 nucleotides of sequence on either side of the gene-trap insertion site, which is denoted with an asterisk *.

5 '

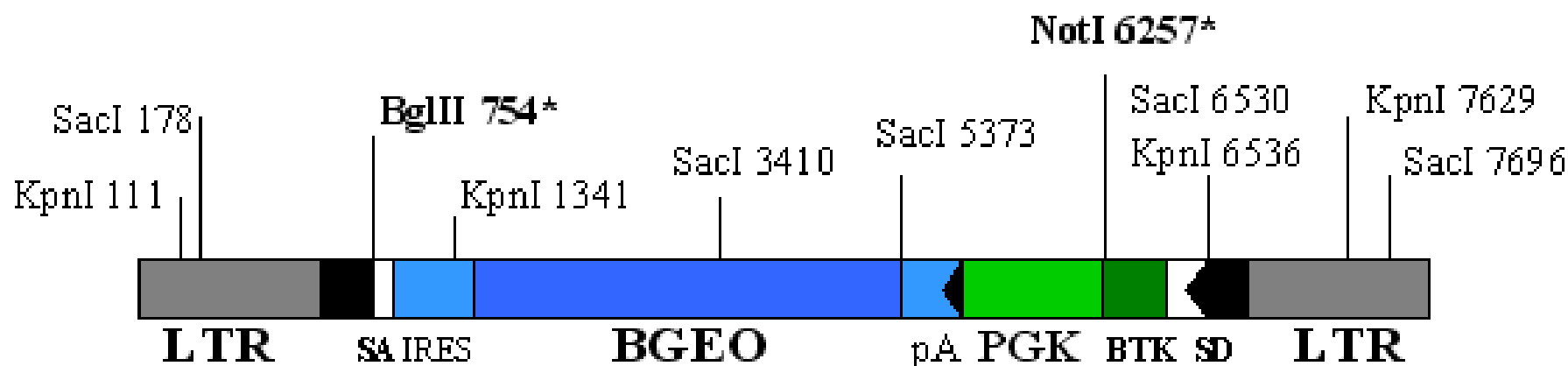
AAAGGCATGTGCCACCATGCCCCGGCTGATATGTCTCTACCTCCCCAGCACAGGAGTCCCC
TGTCTCCACCTCCCCAGTACAGGAGTCCCCTGTCTCCACCTCCCCAGCACAGGAGTCCCC
TGTCTCTACCTCTCCAGCACAGGAGTCCCCTGCCTCCACCTCCCCAGCACAGGAGTCCCC
TGTCTCCACCTCCCCAGTACAGGAGTCCCCTGTCTCCACCTCCCCAGAACGGGAGCGCAG
GCACATGCT*CCACACCTGACTTTTTTATATGGATGCTGGGCATCCAAGCTCAAGTCTCC
TCTCCAGGCCCTAATGAAGTTGTTTTTGTGTTTTTGGTTTTTGATATTTATTTATTTTTATTT
CATATATATATATATATATATATATATATATATATATACATACATATATATATGTATG
TATGTATCATTAGGTCCCTTGGAAGCAGTATAAATTAAACCTGGGTCCTCTGCAAGAGCT
ATAAGTGCTCTTAACTGCTGC 3 '

UNQ247 (MEM709T2) Mutation Illustration

Accession: NH_024273



UNQ247 (MEM709T2) OmniBank Gene Trap Vector 37



Total Size: 8108 nucleotides

Non-Cutters: SacII, DraI, XhoI

* Unique sites

Location of components in VICTR 37:

LTR (viral long terminal repeat): 1-590, 7519-8108

SA (splice acceptor): 759-888

IRES: 885-1469

Bgeo: 1471-5365

pA: 5370-5655

frt sites: 5670-5717, 6546-6593

PGK promoter: 5738-6254

BTK exon: 6289-6514