

Characterization of the mRNA untranslated regions [UTR] of the *Trypanosoma cruzi* LYT1 isoforms derived by alternative *trans*-splicing

Suppl. 4. Multiple alignment of 5' UTR *k*LYT1 isoform sequence from *T. cruzi* isolates listed in Table 1 and those obtained in this study from 058PUJ (GenBank ID: KT328589; clone pTc58.5U. *k*LY.E1) and D.A. (KT328590) isolates. Sequences were aligned with CLUSTAL Omega [1.2.4] program. Numbers on the right correspond to the nucleotide position in the sequence. An asterisk means that nucleotides are identical in all sequences show in the alignment. The leader sequence [SL], is underlined and the motifs of RNA are indicated in bold. The polymorphisms present in the RNA motifs are shown by red letter.

5kJR cl._4	<u>AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCG</u>	60
5kDm28C	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCG	60
5kSylvio_X10/1	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCG	60
KT328589.1	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCG	60
pTc58.5U. <i>k</i> LY.E1	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCG	60
KT328590.1	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCG	60
5kCLBrenerEL	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCA	60
5kEsmeraldo	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGCAGCG	60
5kY	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGCAGCG	60
5kCLBrenerNEL	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCA	60
5kCLBrener	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGUAGCA	60
5kTula.c12	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUAGCAGCG	60
5kMarinkellei	AACUAACGCUAUUUUGAUACAGUUUCUGUACUAUUAUUGAAAGCCGCAGCAUUUUGAGUG	60
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5kJR cl._4	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
5kDm28C	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
5kSylvio_X10/1	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
KT328589.1	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
pTc58.5U. <i>k</i> LY.E1	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
KT328590.1	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
5kCLBrenerEL	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
5kEsmeraldo	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUAAUUU	114
5kY	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUAAUUU	114
5kCLBrenerNEL	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
5kCLBrener	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
5kTula.c12	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUAAUUU	114
5kMarinkellei	CCCACAGCAGACACACGGCCGACGUGCCGCGGGGUGCCAUUGCAGAAUACUUU	114
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