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Sequence of *E.coli* K12 *valU* operon which contains 3 genes for tRNA^{Val} and 1 gene for tRNA^{Lys}

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The operon order is 5' *valU* α *valU* β *valU* γ *lysV* 3'. The gene locations are *valU* α 46–121, *valU* β 166–241, *valU* γ 287–362, *lysV* 367–442, and are indicated in bold type. Putative –35 and –10 sequences are underlined. The sequence from 342–442, which includes the *lysV* (*supN*^{WT}) gene, and 49 nucleotides downstream including a possible transcription terminator was previously published (1). Transcription studies in this region have been performed by Y.Brun, R.Breton, P.Lanouette and J. LaPointe (manuscript in preparation). The *valU* operon is located at position 52 on the chromosome (1, 2). Two other genes for tRNA^{Lys} and one other for tRNA^{Val} are located at minute 16.5 (3).

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1  TTGACTCATT  TTGAACTCTC  CCTATAATGC  GACTCCACAC  AGCGGGGGTG  ATTAGCTCAG
61  CTGGGAGAGC  ACCTCCCTTA  CAAGGAGGGG  GTCGGCGGTT  CGATCCCGTC  ATCACCCACC
121 AACTACTTTA  TGTAGTCTCC  GCCGTGTAGC  AAGAAATTGA  GAAGTGGGTG  ATTAGCTCAG
181 CTGGGAGAGC  ACCTCCCTTA  CAAGGAGGGG  GTCGGCGGTT  CGATCCCGTC  ATCACCCACC
241 ACTTCTCGCC  AGCTAAATTT  CTTGTATAAA  TGTGAAGTAC  AGAAGTGGGT  GATTAGCTCA
301 GCTGGGAGAG  CACCTCCCTT  ACAAGGAGGG  GGTCGGCGGT  TCGATCCCGT  CATCACCCAC
361 CACTTCGGGT  CGTTAGCTCA  GTTGGTAGAG  CAGTTGACTT  TTAATCAATT  GGTCGCAGGT
421 TCGAATCCTG  CACGACCCAC  CA

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