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Title	Sequence of E.coli K12 valU operon which contains 3 genes for tRNAVal1 and 1 gene for tRNALYS
Author(s)	O'Connor, Michael; Gesteland, Raymond F.; Atkins, John F.
Publication date	1990
Original citation	O'Connor, M., Gesteland, R. F. and Atkins, J. F. (1990) 'Sequence of E.coli K12 valU operon which contains 3 genes for tRNAVal1 and 1 gene for tRNALYS', Nucleic Acids Research, 18(3), p. 672 doi: 10.1093/nar/18.3.672
Type of publication	Other
Link to publisher's version	https://academic.oup.com/nar/article-lookup/doi/10.1093/nar/18.3.672 http://dx.doi.org/10.1093/nar/18.3.672 Access to the full text of the published version may require a subscription.
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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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Submitted December 22, 1989

EMBL accession no. X17321

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).

ACKNOWLEDGEMENTS

We thank Dr J.LaPointe for his gracious comments. This work was supported by National Science Foundation Grant DMG-8408649, and by the Howard Hughes Medical Institute.

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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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