

Nucleotide sequence of the *aceB* gene encoding malate synthase A in *Escherichia coli*

Carolyn Byrne, Harold W. Stokes¹ and Kevin A. Ward

Division of Animal Production, CSIRO, PO Box 239, Blacktown, NSW 2148 and ¹School of Biological Sciences, Macquarie University, North Ryde, NSW 2113, Australia
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The DNA sequence of Escherichia coli aceB encoding malate synthase A has been determined(1). Shown is the coding region of aceB flanked by the C-terminal region of an upstream open reading frame and the N-terminal coding region of the adjacent aceA gene (2). The transcription start site is shown by an asterisk and the -10 and -35 site of the promoter are marked and underlined (3). Sequences similar to ribosome binding sites for aceB and aceA (2) are underlined. Regions of dyad symmetry in or near the promoter are marked by arrows and numbered. 1 is probably the terminator for the upstream gene, 2, 3, 4 and 5 are possible regulatory sites. DNA from the aceB gene hybridizes to a 10 kb RNA transcript.

References

- (1) Nunn, W.D. (1986) *Microbiol. Rev.* 50, 179-192. (2) Rieul, C., Bleicher, F., Duclos, B., Cortay, J.C., and Cozzone, A.J. (1988) *Nucleic Acids Res.* 16, 568. (3) Chung, T., Klumpp, D.J. and LaPorte, D.C. (1988) *J. Bacteriol.* 170, 386-392.