

Nucleotide sequence of the homoserine dehydrogenase (*thr A*) gene of *Brevibacterium lactofermentum*

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A 9.8 Kb fragment containing the thr A and thr B genes of B. lactofermentum ATCC 13869 was cloned¹. The nucleotide sequence of the thr B gene has been reported previously². We describe here the nucleotide sequence of the thr A gene located in a 1483 bp DNA fragment. The nucleotides are numbered from a Kpn I restriction site located near the 5'-end of the gene. The initiation and termination codons are underlined.

GTGACCCCTTTGGTTGGACACATGTAGGGTGCCTAACAAAGTAACTAGGACACAAACGCTGCACCGCCTATTGGAGAATCATGACCTCAGCA
 sapsfnpqkpgpsavgiallfgftvgtevariat
 TCTGCCCAAGCTTAACTCCGCGCAAGGGTCCTCGCAGTCGCACTGGAAATTGCCCTTTAGGGATTCGCCAACACTGCGCTGATGCGCTGATG
 eygdelahriiggplevrgiaysdiskpregvap
 CGGAGTCGGTGAATGAACTTGGCACCACGATGGTGGCCACTGGAGGTTCTGGATTCCTGTTCTGATATCTCAAAACGCCAGTGAAGCGCTG
 elltedafalieredvddivveviggieyprevy
 TGAGCTGCTACTGAGGACGCTTTCGACTCAGBGCAGGATGTGAGATCCTGCTGTTGGGGTATGCCGGCCTTGGAGTACCCACGTCAGGAG
 laalkagksvvvtankalivaaahsaeladadaaeanv
 CTGCGAGCTCTGAAGGCCAACGACTGTTGTTGAACTGGCCCTGAGCTGAGCTGAGCTGAGCTGCTGATGCAAGCGAAC
 dlyfeavaagaiipvvpgplrrslagdqiqsvag
 TTGAGCTGCTACTTCAGGCTCTGTCAGGCCAACCTTCAGGTTGTTGCGCACTGGAGCTCTGCTGCTGCTGATGCAAGCTGCTGATGCG
 vngttntfieldadstqadyadslaeatrigyae
 CGTTAACGGCACCCACCAACTCTCTGGACGCCATGGATTCCACCCGGCGCTGACTATGCAAGTTGGCTGAGGCAACTCGTTGGGTACCGCAA
 adptadveghdaaskaaailasiafhtrvtaddvy
 GCTGAGCTCAACTTGCAAGGCTGAGGCCATGAGCGCCATCCAGGGCTGCAATTGGCATCTGCTGCTGCTGCTGAGCTGATGTTG
 cegisnisaaadieaaqqqaghtiklllaicekftn
 ACTCGAGGATCTAGCAACATCACGCCCTGCCACATTGGAGGCAACAGCGAGGCCACACCATCAAGGTTGTTGGCATCTGCTGCTGAGGTT
 kegksaisarvhptllpyshplasvnksfnaiif
 CAAAGGAAAGGAGCTGGCTATTCTGCGCTGACCCGACTCTATTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
 veaeaagrlafyngngaggaptatasavlgdvdvg
 GTTGGAGCAGAACGCTGGCTG
 nkvhggrapgestyaniplpiadfggetttryhld
 GAAACGAGTGGCTACGCTGGCGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
 dvedrvgvglaelasplseqqisrlrtirgeerdd
 GGATGAGCTGAAAGATCCCGCTGGCGCTTGGCTGAAATTGGCTAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
 darlivtvthalsdisrltrvelliakakppkvkaains
 GATGCGACGCTG
 virlerd.
 GTGATGCCGCTCGAAAAGGGACTATTCTGAGCATGGAAATTGAACTGAGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
 1483

REFERENCES

1. Mateos et al. (1987). Mol. Gen. Genet. 206, 361-367.
 2. Mateos et al. (1987). Nucleic Acids Res. 15, 3922.