

IDENTIFICATION

Species: *Lactuca sativa*

Locus: Lsat_1_v5_gn_8_10000

Gene Model: Lsat_1_v5_gn_8_10000.1

Description: LsEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Lsativa_V8

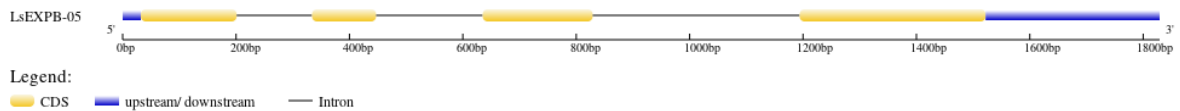
KEGG: <https://www.genome.jp/entry/T05352>

EXTERNAL RESOURCES

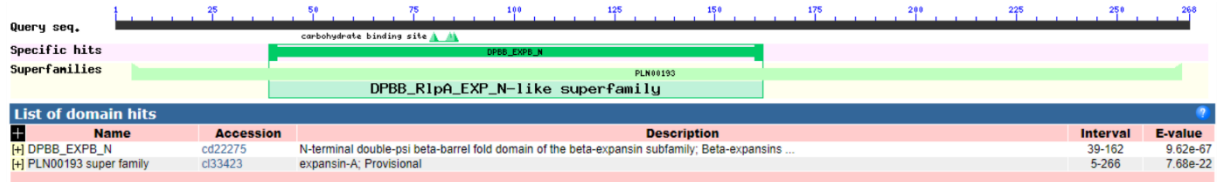
<https://lgr.genomecenter.ucdavis.edu/>

<https://www.lettucegdb.com/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPB-05

MATISSHFRLFLCLLLTFFTFSAIRPKHFNISTVATHWSTASATWYGSPDGAGSDGGS
CGYGPAVSQAPFSSMVTGIGPSLYNAGKECGACYMVKCTKHPACSHKPARVVITDFC
PGGKCAAGHAHFDLSGTAFGAMAKPGQEKHLRDAGDLQIRFARVECDYSRTNIVFH
VDQGSNPNYFAMVVEFEEGDGDLGGVSLKEENSTKWLKMQSWGAVWKIDPGREL
HSPFSIKLVSQYSERILVAKNVIPSGWKPGSMYRSVVNYL*

CDS (coding sequence)

>LsEXPB-05

ATGGCCACCATTTCTTCACATTTCCGACTCTTCTTATGTCTTCTAACC ACTTTCTTC
ACATTCTCATTTGCCATAAGACCAAAACACTTCAACATATCCACCGTAGCCACCC
ACTGGTCCACCGCCTCTGCCACCTGGTATGGCAGTCCCGATGGTGCTGGAAGTGA
TGGAGGTTTCATGTGGGTATGGACCCGCAGTGTCAACAAGCACCGTTTTCTTCCATG
GTGACTGGAATTGGCCCATCTCTGTATAATGCAGGAAAAGAATGTGGGGCTTGTT
ATATGGTAAAGTGTACCAAACATCCGGCATGTTACACAAGCCGGCTAGGGTTGT
TATCACTGATTTTTGCCCGGAGGCAAGTGTGCAGCTGGCCATGCTCATTGATC
TTAGCGGAACCGCATTTGGTGCGATGGCAAACCGGGCCAAGAAAACATTTAC
GTGACGCAGGAGATTTGCAAATTCGATTTGCAAGGGTTGAGTGTGATTATTCAAG
AACAAACATAGTGTTCATGTAGACCAGGGATCGAACCTAATTACTTTGCTATG
GTGGTTGAATTTCGAAGAAGGTGATGGAGATTTGGGTGGAGTGAGTTTAAAAGAA
GAAAATAGTACCAAATGGTTGAAAATGGTGCAATCTTGGGGTGCAGTTTGGAAA
ATCGACCCTGGGAGGGAGCTACACTCTCCATTTTCTATAAAATTGGTATCACAAT
ACTCAGAGCGTATCTTAGTCGAAAAAATGTGATTCTAGTGGATGGAAGCCGGG
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Nucleotide

>LsEXPB-05

CACTTTTAGTGGTCAAGCAACAAAAGCATTAAATGGCCACCATTTCTTCACATTT
CGACTCTTCTTATGTCTTCTAACC ACTTTCTTCACATTCTCATTGCCATAAGACCA
AAACACTTCAACATATCCACCGTAGCCACCCACTGGTCCACCGCCTCTGCCACCT

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