

IDENTIFICATION

Species: *Lactuca sativa*

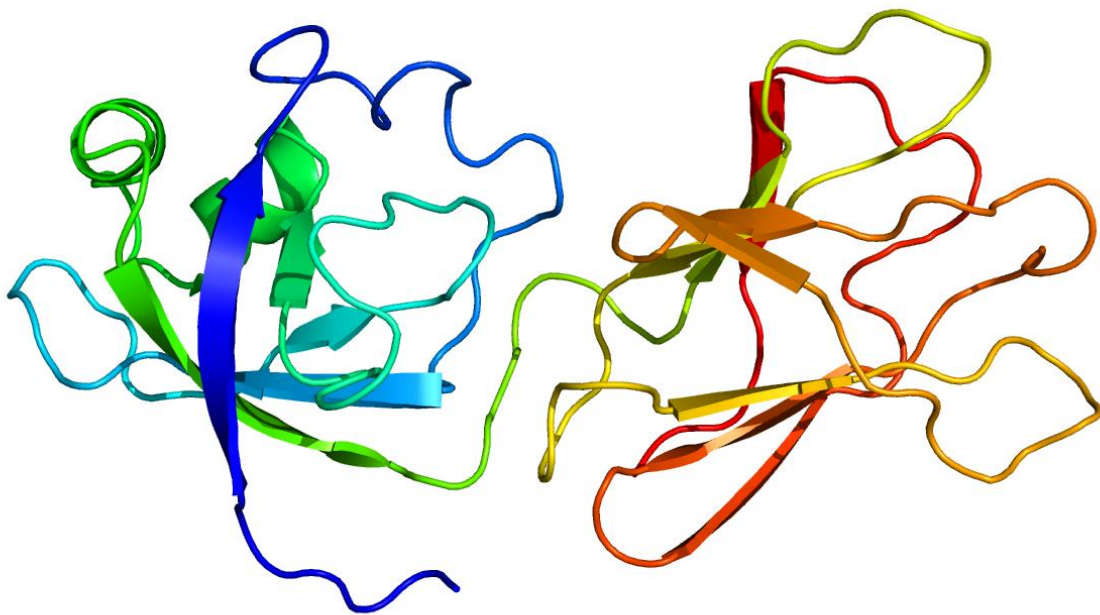
Locus: Lsat_1_v5_gn_9_118741

Gene Model: Lsat_1_v5_gn_9_118741.1

Description: LsEXPB-10

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

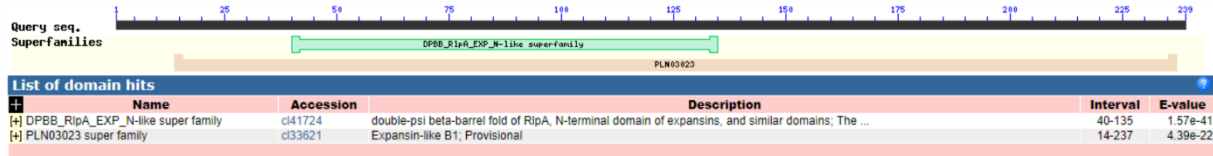
<https://lgr.genomecenter.ucdavis.edu/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPB-10

MAFNLQNPFSIFIVCSIASLFFASNSLCSSDDLFFANGDGFSPALGTWYGDPRGAGSGG
ACGWANWANDIKCSREPYCSLNPITITIIDCPGACNNVPFHFDLSGTAFGAMANPGQ
ADNLRNLGQVDIQYRRVPCYYGRGTKIAFKIDAKTNPWFAPAIEFEDGGGLSSVEIS
PAGSQQFVPMKNIWGAVWEADVSPSFHGPYSFRLRSPTGKVVVASNVVPNGFVPGQ
TYFSNVNF*

CDS (coding sequence)

>LsEXPB-10

ATGGCGTTCAACCTTCAAACCCATTTCCATTTTCATTTTTGTGTGTTCAATTGCT
TCTCTTTTTGCAAGCAATTCTTTGTGTTCAAGCGATGACCTCTTTGCAAATGGAGA
TGGGTTTTACCAGCTCTAGGAACATGGTATGGAGATCCAAGAGGCGCTGGAAGT
GGAGGAGCTTGTGGATGGGCTAATTGGGCTAATGATATTAATGCAGTCGAGAG
CCATACTGCTCTCTGAACCCTATTACTATAACAATAATTGACGAGTGCCAGGTG
CATGTAACAATGTTCCGTTCCATTTTGATTTAAGCGGGACTGCTTTTGGTGCAATG
GCGAATCCAGGACAAGCTGATAACCTCCGTAATCTTGCCAGGTTGATATTCAAT
ATCGAAGGGTGCCATGCTACTATGGTAGAACAAAGATCGCTTTCAAGATTGATGC
AAAGACAAACCCTAACTGGTTCGCACCTGCAATTGAGTTTGAAGATGGTGTGGT
GGACTTAGTTCAGTGGAGATATCTCCGGCTGGTAGTCAACAGTTTGTACCAATGA
AGAATATTTGGGGTGCTGTTTGGGAAGCCGACGTCAGCCCATCTTTCCATGGCCC
ATACTCGTTCAGGCTCAGGTCTCCAACCGGCAAGGTAGTGGTAGCTTCTAATGTT
GTTCCGAATGGCTTTGTACCTGGTCAAACATATTTCTCAAACGTCAACTTTTAG

Nucleotide

>LsEXPB-10

ATGGCGTTCAACCTTCAAACCCATTTCCATTTTCATTTTTGTGTGTTCAATTGCT
TCTCTTTTTGCAAGCAATTCTTTGTGTTCAAGCGATGACCTCTTTGCAAATGGAGA
TGGGTTTTACCAGCTCTAGGAACATGGTATGGAGATCCAAGAGGCGCTGGAAGT
GGTAACAAAATCTCAATATAATTTGTTTCATTTTCGGGAAAAAATCTCATTACTT
GTGAAGAATATTAGTATTCATTTTATCAAATATATCTACAGGAGGAGCTTGTGGA
TGGGCTAATTGGGCTAATGATGTACAGTCACCACCATACTCAGCCATGATAGCAG

CAGGAAATTCTAGGATTTATTTACAAGGAAAAGGATGTGGGGATTGTTATTAGGT
GAAGAAGTTAATCCCAAAGTGATTTTCTTGATTATGATTACAAATATATATATAT
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NNNGA
CTATTGTGGTTAATTCTTCTCAGATTAATGCAGTCGAGAGCCATACTGCTCTCTG
AACCTATTACTATAACAATAATTGACGAGTGCCAGGTGCATGTAACAATGTTC
CGTTCCATTTTGATTTAAGCGGGACTGCTTTTGGTGCAATGGCGAATCCAGGACA
AGCTGATAACCTCCGTAATCTTGGCCAGGTTGATATTCAATATCGAAGGTACGTG
CATGATTTTATTAACGAGTGATTGAGTATATATAACAAAGATCGTTATCTAATA
AGACAGTCTAGCTACGTACATGTGTAGGGTGCCATGCTACTATGGTAGAACAAG
ATCGCTTTCAAGATTGATGCAAAGACAAACCCTAACTGGTTCGCACCTGCAATTG
AGTTTGAAGATGGTGATGGTGGACTTAGTTCAGTGGAGATATCTCCGGCTGGTAG
TCAACAGTTTGTACCAATGAAGAATATTTGGGGTGCTGTTTGGGAAGCCGACGTC
AGCCCATCTTTCCATGGCCCACTCGTTCAGGCTCAGGTCTCCAACCGGCAAGG
TAGTGGTAGCTTCTAATGTTGTTCCGAATGGCTTTGTACCTGGTCAAACATATTC
TCAAACGTCAACTTTTAG