

IDENTIFICATION

Species: *Lactuca sativa*

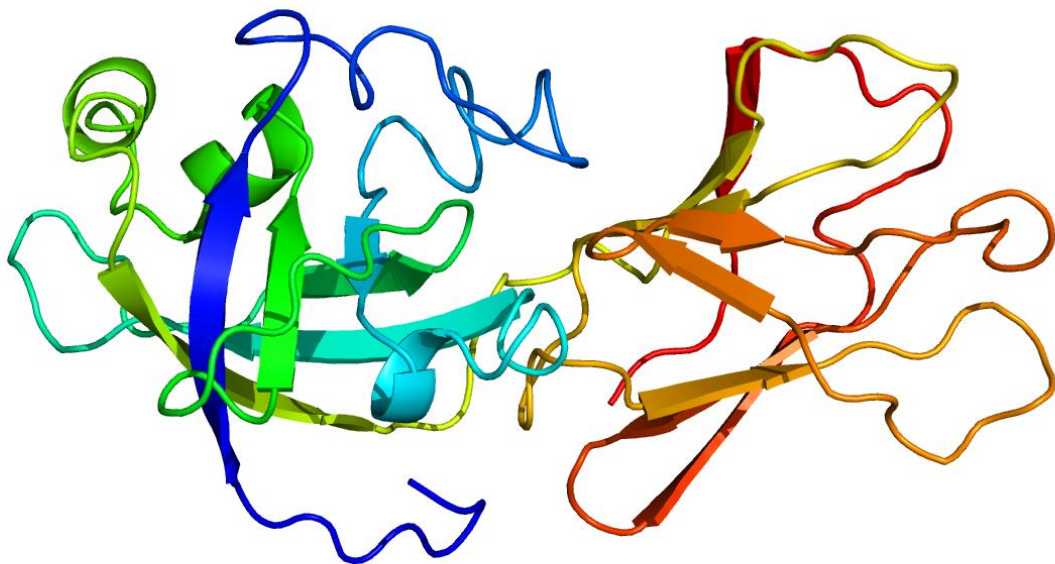
Locus: Lsat_1_v5_gn_5_54081

Gene Model: Lsat_1_v5_gn_5_54081.1

Description: LsEXPB-02

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

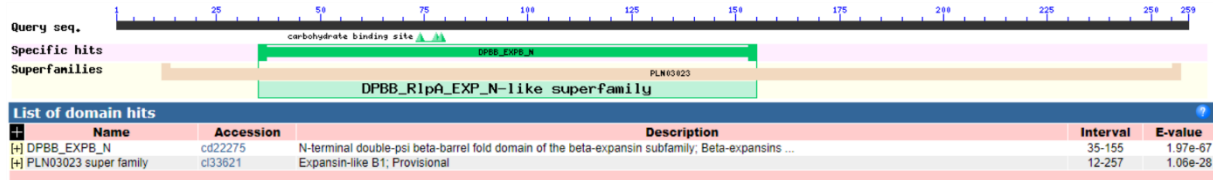
<https://lgr.genomecenter.ucdavis.edu/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPB-02

MAFNLQNPFIIFLYVCSIASLVASHQLFVNGDGYSPALGTWYGDPRGAGSGGACGWA
NDVQSPPFSA MIAAGNARIFLQKGCGDCYQIKCNREPYCSKNPIRVTITDEC PGACN
NVPFHFDSLGTAFGAMANPGQADNLRNLGQVDIQYRRVQCYGRTKIAFKIDAKTN
PYWFATAIEFEDKDGGLRSVEIASANTRRFVPMKNIWGAVWQVDVNPSLHAPFSFRL
ASPSGSVVVATNVVPMGFVPGKTYFSHVNF*

CDS (coding sequence)

>LsEXPB-02

ATGGCCTTCAACCTTCAA AACCTTTTATCATTTTCCTTTATGTGTGTTCAATTGCT
TCTCTTGTTGCAAGCCATCAACTCTTTGTCAATGGAGACGGATATTCACCTGCTTT
AGGGACATGGTATGGAGACCCAAGAGGCGCTGGAAGTGGAGGAGCTTGTGGATG
GGCTAATGATGTACAATCTCCTCCATTCTCAGCCATGATAGCAGCAGGAAATGCA
AGGATTTTTTTTGCAAGGCAAAGGATGTGGAGATTGTTATCAGATTAATGCAATC
GAGAGCCATACTGCTCTAAGAACCCTATTAGAGTTACAATAACCGATGAATGCC
AGGTGCATGTAACAATGTTCCATTTCATTTTGATTTAAGTGGAACTGCTTTTGGTG
CAATGGCGAATCCAGGACAAGCTGATAATCTTCGTAATCTCGGCCAAGTTGATAT
TCAATATCGAAGGGTGCAATGCTACTATGGTAGAACAAAGATCGCTTTC AAGATT
GACGCAAAAACAAACCCTTATTGGTTTGCAACTGCAATAGAATTCGAAGATAAA
GATGGTGGACTTCGGTCAGTGGAGATAGCCTCTGCTAATACGCGACGGTTTGTT
CAATGAAGAATATTTGGGGTGCGGTTTGGCAAGTCGATGTTAATCCATCTCTTCA
TGCTCCGTTCTCGTTCAGGCTCGCATCTCCTTCGGGTT CAGTTGTGGTTGCTACAA
ATGTTGTTCTATGGGCTTTGTGCCTGGAAAACTTATTTCTCACACGTAAACTTT
TAG

Nucleotide

>LsEXPB-02

ATGGCCTTCAACCTTCAA AACCTTTTATCATTTTCCTTTATGTGTGTTCAATTGCT
TCTCTTGTTGCAAGCCATCAACTCTTTGTCAATGGAGACGGATATTCACCTGCTTT
AGGGACATGGTATGGAGACCCAAGAGGCGCTGGAAGTGGTAACAAAACTAAAC

ATTATTTGAAACTTTTCATTTTCAGGAGAAAATCTCATTACTTATGAATAATCTATG
TACTATTTTTATCAAAAATACGTACAGGAGGAGCTTGTGGATGGGCTAATGATGT
ACAATCTCCTCCATTCTCAGCCATGATAGCAGCAGGAAATGCAAGGATTTTTTTG
CAAGGCAAAGGATGTGGAGATTGTTATCAGGTGAAGAAGTTAATCCGGAAGTGA
TGATTTTCTTCACTCTGATTACAAAATATGATCATTTTTTTTACGTAATTATCAAAA
TTAATTTTCATTATTGTGGTTGATTCTTCTCAGATTAAATGCAATCGAGAGCCATAC
TGCTCTAAGAACCCTATTAGAGTTACAATAACCGATGAATGCCCAGGTGCATGTA
ACAATGTTCCATTTTCATTTTGATTTAAGTGGAAGTGGCTTTTGGTGCAATGGCGAAT
CCAGGACAAGCTGATAATCTTCGTAATCTCGGCCAAGTTGATATTCAATATCGAA
GGTGCATACTAACTATATATTTTACTTGTAAAGATCCTTCGAATTAATTTATAAAAA
CATTTCGTCATGCATGCATGTACGTACAGGGTGCAATGCTACTATGGTAGAACAA
AGATCGCTTTCAGATTGACGCAAAAACAAACCCTTATTGGTTTGCAACTGCAAT
AGAATTCGAAGATAAAGATGGTGGACTTCGGTCAGTGGAGATAGCCTCTGCTAAT
ACGCGACGGTTTGTTCGAATGAAGAATATTTGGGGTGCGGTTTGGCAAGTCGATG
TTAATCCATCTCTTCATGCTCCGTTCTCGTTCAGGCTCGCATCTCCTTCGGGTTTCAG
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