

IDENTIFICATION

Species: *Lactuca sativa*

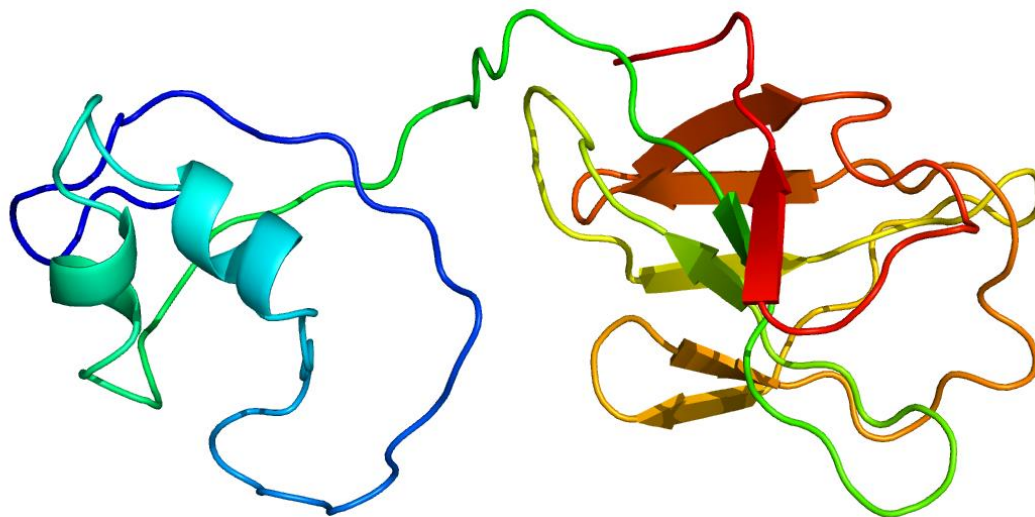
Locus: Lsat_1_v5_gn_9_118721

Gene Model: Lsat_1_v5_gn_9_118721.2

Description: LsEXPB-12

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

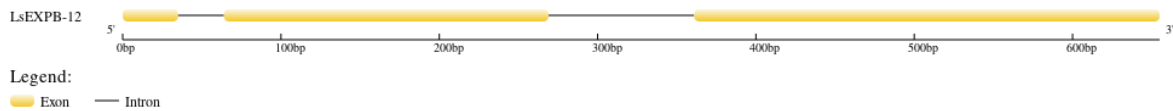
KEGG: <https://www.genome.jp/entry/T05352>

EXTERNAL RESOURCES

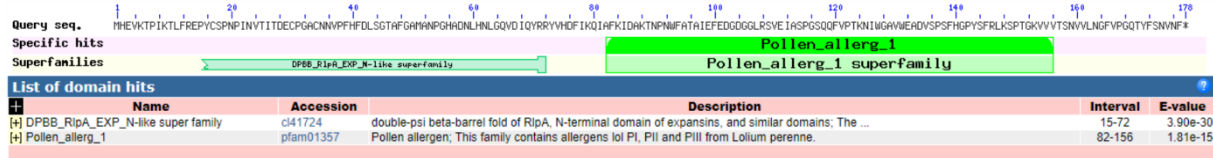
<https://lgr.genomecenter.ucdavis.edu/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPB-12

MHEVKTPIKTLFREPYCSPNPINVTITDECPGACNNVPFHFDLSGTAFGAMANPGHAD
NLHNLGQVDIQYRRYVHDFIKQIAFKIDAKTNPWFATAIEFEDGDGGLRSVEIASPG
SQQFVPTKNIWGAVWEADVSPSFHGPYSFRLKSPTGKVVVTSNVVLNGFVPGQTYFS
NVNF*

CDS (coding sequence)

>LsEXPB-12

ATGCATGAGGTCAAACACCCATCAAGACACTATTCCGAGAGCCATACTGCTCTC
CGAACCCTATTAATGTAACAATAACTGACGAGTGCCAGGTGCATGTAACAATGT
TCCATTCCATTTGATTTAAGCGGGACTGCTTTTGGTGCAATGGCGAATCCAGGAC
ATGCTGATAACCTCCATAATCTCGGCCAAGTTGATATTCAATATCGAAGGTACGT
GCATGATTTTATTAACAAATCGCTTTCAAGATTGATGCAAAGACAAACCCTAAC
TGGTTCGCAACTGCAATTGAGTTTGAAGATGGTGATGGTGGACTTAGGTCAGTGG
AGATAGCTTCGCCTGGTAGTCAACAGTTTGTTCACGAAGAATATTTGGGGTGC
GGTTTGGGAAGCCGACGTCAGCCCATCTTTCCATGGCCCATACTCGTTCAGGCTC
AAGTCTCCAACCGGCAAGGTAGTGGTAACCTTCTAATGTCGTTCTGAATGGCTTTG
TACCTGGTCAAACGTATTTCTCAAACGTCAACTTTTAG

Nucleotide

>LsEXPB-12

ATGCATGAGGTCAAACACCCATCAAGACACTATTGTGGTTAATTCTTCTTAGAT
TAAATGCAGCCGAGAGCCATACTGCTCTCCGAACCCTATTAATGTAACAATAACT
GACGAGTGCCAGGTGCATGTAACAATGTTCCATTCCATTTGATTTAAGCGGGA
CTGCTTTTGGTGCAATGGCGAATCCAGGACATGCTGATAACCTCCATAATCTCGG
CCAAGTTGATATTCAATATCGAAGGTACGTGCATGATTTTATTAACAAGTGATT
GAGTATATATAACAAAGATCATTATCTAATAAGACAGTCTAGCTACGTACATGTG
TTGGGTGCCATGCTACTATGGGAAAACAAAGATCGCTTTCAAGATTGATGCAAAG
ACAAACCCTAACTGGTTCGCAACTGCAATTGAGTTTGAAGATGGTGATGGTGGAC
TTAGGTCAGTGGAGATAGCTTCGCCTGGTAGTCAACAGTTTGTTCACGAAGAA
TATTTGGGGTGCGTTTGGGAAGCCGACGTCAGCCCATCTTTCCATGGCCCATAC

TCG TTCAGGCTCAAGTCTCCAACCGGCAAGGTAGTGGTAACTTCTAATGTCGTTCT
GAATGGCTTTGTACCTGGTCAAACGTATTTCTCAAACGTCAACTTTTAG