

## IDENTIFICATION

**Species:** *Lactuca sativa*

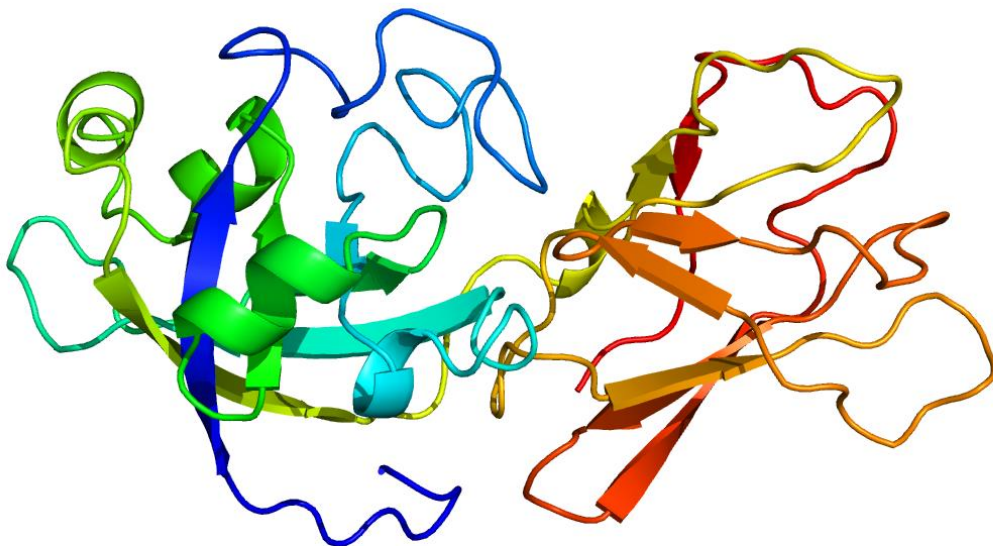
**Locus:** Lsat\_1\_v5\_gn\_8\_132761

**Gene Model:** Lsat\_1\_v5\_gn\_8\_132761.1

**Description:** LsEXPB-09

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Lsativa\\_V8](https://phytozome-next.jgi.doe.gov/info/Lsativa_V8)

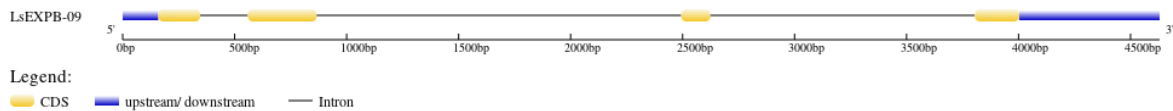
KEGG: <https://www.genome.jp/entry/T05352>

## EXTERNAL RESOURCES

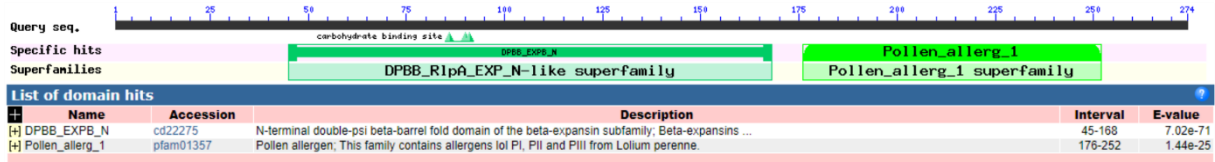
<https://lgr.genomecenter.ucdavis.edu/>

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>LsEXPB-09

MALISYTN SYIGKICVAMTWWFAAVVFQSL EISGGPIMNSVNSHWRPATATWYGSPE  
GDGSDGGACGYGSLVDVKPFRARVGA VSPILFKAGEGCGACYKVKCLDKSICSRRA  
VTVIITDECPGGYCSGGNTHFDLSGA AFRMAVSGDHNQLRNRGVLNIVYRRTPCKY  
PGRNIAFHVNEGSTNYWLSLLVEFEGGD GDVGSMHIREARSTEWLEMSHVWGANW  
VIVRGPLRGPFSVKLTTLSKRTL SARDVIPGNWAVKATYTSRLNFSP\*

### CDS (coding sequence)

>LsEXPB-09

ATGGCGCTTATATCATAACCAACAGCTACATTGGCAAATATGTGTTGCTATGA  
CGTGGTGGTTTTCGGCTGTGGTGTTCAGAGTTTGGAGATCTCCGGTGGGCCGAT  
TATGAACTCCGTCAACTCACATTGGCGTCCGGCCACCGCGACGTGGTACGGCAGT  
CCAGAAGGCGATGGAAGCGATGGTGGCGCGTGTGGATACGGATCTCTGGTTGAT  
GTGAAGCCATTTAGAGCGCGTGTAGGAGCAGTGAGTCCAATTCTGTTTAAGGCGG  
GTGAAGGATGTGGGGCATGTTATAAAGTCAAGTGTTTAGATAAATCAATCTGTTC  
TCGCCGGGCGGTGACCGTTATTATCACCGACGAATGTCCCGGCGGTTACTGCTCC  
GGCGGAAACACCCATTTTGACCTCAGCGGCGCCGCCTTTGGTCGCATGGCGGTTT  
CCGGCGATCACAACCAGCTCCGTAACCGCGGCGTACTGAACATCGTTTATCGCCG  
GACACCATGCAAATATCCAGGAAGAAACATTGCATTTACGTAAACGAAGGATC  
TACAAATTACTGGCTTCTACTTCTGGTCTGAATTCGAGGGTGGAGATGGGGATGTT  
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GTTTGGGGAGCGAACTGGGTGATAGTTCGAGGACCTCTCAGAGGACCATTTCCG  
TCAAACCTACCACCCTGTCCACCAAAGGACTCTGTCAGCAAGGGATGTGATTCC  
CGGAAATTGGGCAGTCAAAGCCACTTATACGTCCCGTCTTAACCTTTCCCTTAA

### Nucleotide

>LsEXPB-09

TGAAAAGCTCAGTCCTAACACCGTGGAAATCCAACCTCTGTAAACCCAGTGTGGC  
ATTCTCTCTCTCATCTTTTTCTCTCTCTAAACTTGTTTGTATACGTACCTCGT  
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GAGT