

## IDENTIFICATION

**Species:** *Lactuca sativa*

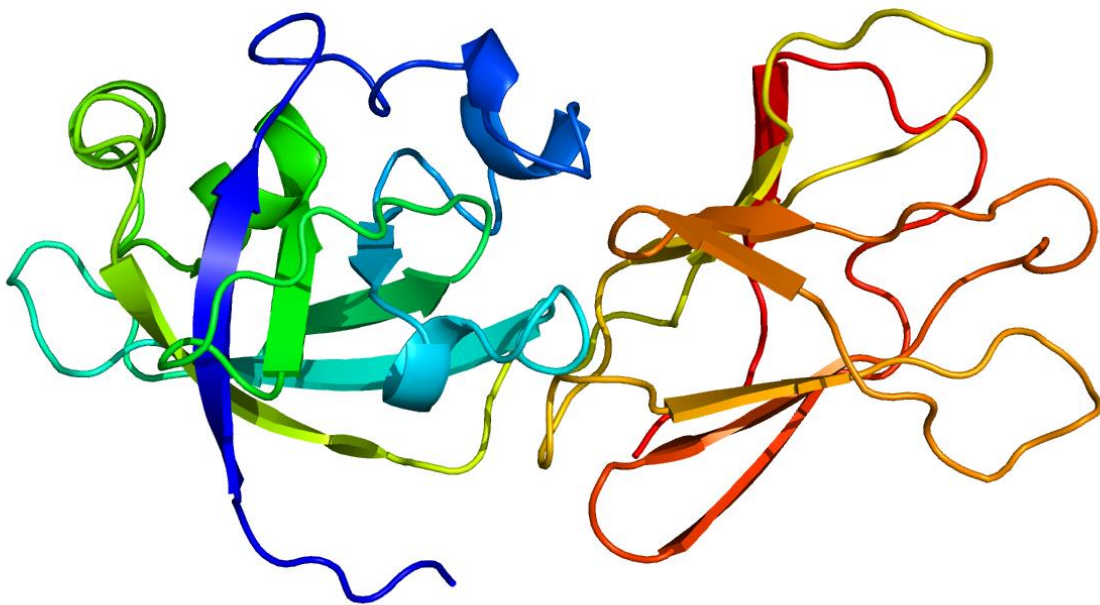
**Locus:** Lsat\_1\_v5\_gn\_7\_78621

**Gene Model:** Lsat\_1\_v5\_gn\_7\_78621.1

**Description:** LsEXPB-04

**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

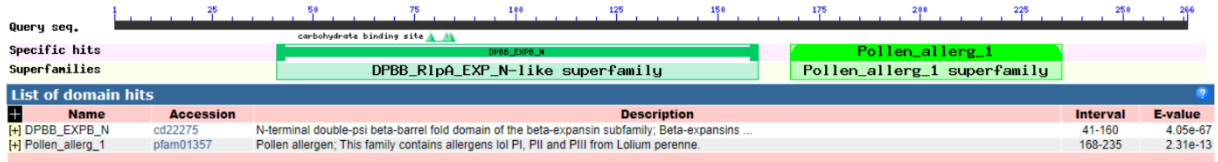
<https://lgr.genomecenter.ucdavis.edu/>

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>LsEXPB-04

MALNLLKSWLFLVLMYLLINYSTCSNHTLLAKRSNPSHFAPA VATWYGDRDGAGSG  
GACGWANDVKSAPFSAMIAAGNAKLFLKKGKCGTCYQVLCTRKP YCSKNPITVTIT  
DECPGACNNVPFHFDLSGTAFGAMSSPGQADKLRNLGVVNIQYRRVKCNYGR TKIA  
FKIDPMVNPYWFAMAVEFCDDGGLDAVEIGLNGSKEFRSMEN TWGAVWALNIDPS  
FRGPFSFRLTSRRNEAVLALNAVPHGFKPGKTYYSHVNF GF\*

### CDS (coding sequence)

>LsEXPB-04

ATGGCCTTAAATCTTCTAAAATCTTGGTGTGTTCTTGGTTTTGATGTATTTGCTTATA  
AACTACTCTACGTGTTCTAACCACACGCTCCTTGCTAAAAGAAGCAATCCAAGCC  
ACTTCGCACCCGCTGTAGCAACATGGTATGGAGATCGAGATGGCGCTGGAAGTG  
GAGGAGCTTGTGGGTGGGCTAATGATGTAAATCAGCTCCATTCTCAGCCATGAT  
AGCAGCAGGAAATGCGAAATTGTTTTTGAAGGAAAAGGGTGTGGGACTTGTTA  
TCAGGTTTTATGCACTCGAAAGCCATATTGCTCAAAAATCCTATTACTGTGACC  
ATAACCGATGAGTGCCCTGGCGCATGTAACAACGTGCCCTTCCATTTTGATCTAA  
GTGGAACCGCTTTTGGTGCAATGTCAAGTCCAGGGCAAGCTGATAAACTACGTAA  
TCTTGGTGTGTTAACATTCAATATCGAAGGGTGAAATGCAACTATGGTAGAACAA  
AAAATTGCCTTCAAGATAGATCCAATGGTGAACCCTTACTGGTTCGCAATGGCAG  
TAGAGTTTTGTGATGGAGATGGTGGTCTTGATGCAGTCGAAATAGGACTAAATGG  
TTCAAAGAATTCAGAAGCATGGAGAACACATGGGGCGCTGTTTGGGCACTGAA  
TATTGACCCATCTTTTCGTGGTCCATTTTCATTTAGGCTCACATCTCGAAGGAATG  
AAGCAGTCCTTGCGTTAAATGCAGTCCACATGGTTTTAAACCCGGAAAACTTA  
TTATTCGCATGTCAATTTTGGATTCTAG

### Nucleotide

>LsEXPB-04

ATGGCCTTAAATCTTCTAAAATCTTGGTGTGTTCTTGGTTTTGATGTATTTGCTTATA  
AACTACTCTACGTGTTCTAACCACACGCTCCTTGCTAAAAGAAGCAATCCAAGCC  
ACTTCGCACCCGCTGTAGCAACATGGTATGGAGATCGAGATGGCGCTGGAAGTG

GTAATGCATGACAATATAAATTTGTTTATGTAATGAGTTCATTATACATTCATGCA  
TATTTACACACATATCCACTTATTGATAAGCACATACACTTACATTA AAAACACAC  
ACACAAACAAAACCTTATATCAATATACATACACGTTTAGGCACAGCTACATAGG  
TACCACTATTGGTCCAAACATATTTTGAGTCGACATATAAAAAAGGTGGCCCCCTC  
AAAAAAGAAAATGTTATTGATAATTTTTTTTAATTACATGATTTAAATCACATAA  
GGTATCTTGTTATTTGTACATGTTTATTATTAGAGGAGTATGTGATTTATTTCTTGT  
TATTTGTACATGTTTATGTTTGTCAATTCACCAAATACCATTTCTTTTACTTCAAT  
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GCTAATGATGTTAAATCAGCTCCATTCTCAGCCATGATAGCAGCAGGAAATGCGA  
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GTTAAAATTTACAATCGACTAATTACATATATGTAATCACGATTAATATGTCAGG  
TTTTATGCACTCGAAAGCCATATTGCTCAAAAAATCCTATTACTGTGACCATAACC  
GATGAGTGCCCTGGCGCATGTAACAACGTGCCCTTCCATTTTGATCTAAGTGGA  
CCGCTTTTGGTGCAATGTCAAGTCCAGGGCAAGCTGATAAACTACGTAATCTTGG  
TGTTGTTAACATTCAATATCGAAGGTGCATGGAATAAGCAAACCTTTTAATCTAAT  
GTTTTATGACATGTGTCTTACATTTCAATTTGGCTATATATCCAGGGTCAAATGCA  
ACTATGGTAGAACAAAAATTGCCTTCAAGATAGATCCAATGGTGAACCCTTACTG  
GTTTCGAATGGCAGTAGAGTTTTGTGATGGAGATGGTGGTCTTGATGCAGTCGAA  
ATAGGACTAAATGGTTCAAAGAATTCAGAAGCATGGAGAACACATGGGGCGCT  
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CTGTGTTATGTATCATTGAGTTCTACTTGCTTTCATTAGGAAAAATTAGACTCCCT  
GCTGGGTAAGGTTTGT TTTGTGTCTTTTATGCGTTTATTATCTGCCAAGAATAGTT  
AGGACGGTTGGTCTTACAAATGGTTCATTAATCAAGAAATGAATCATGATTTTGC  
CAAAACAATTGTCTTTAG