IDENTIFICATION

Species: *Lactuca sativa*

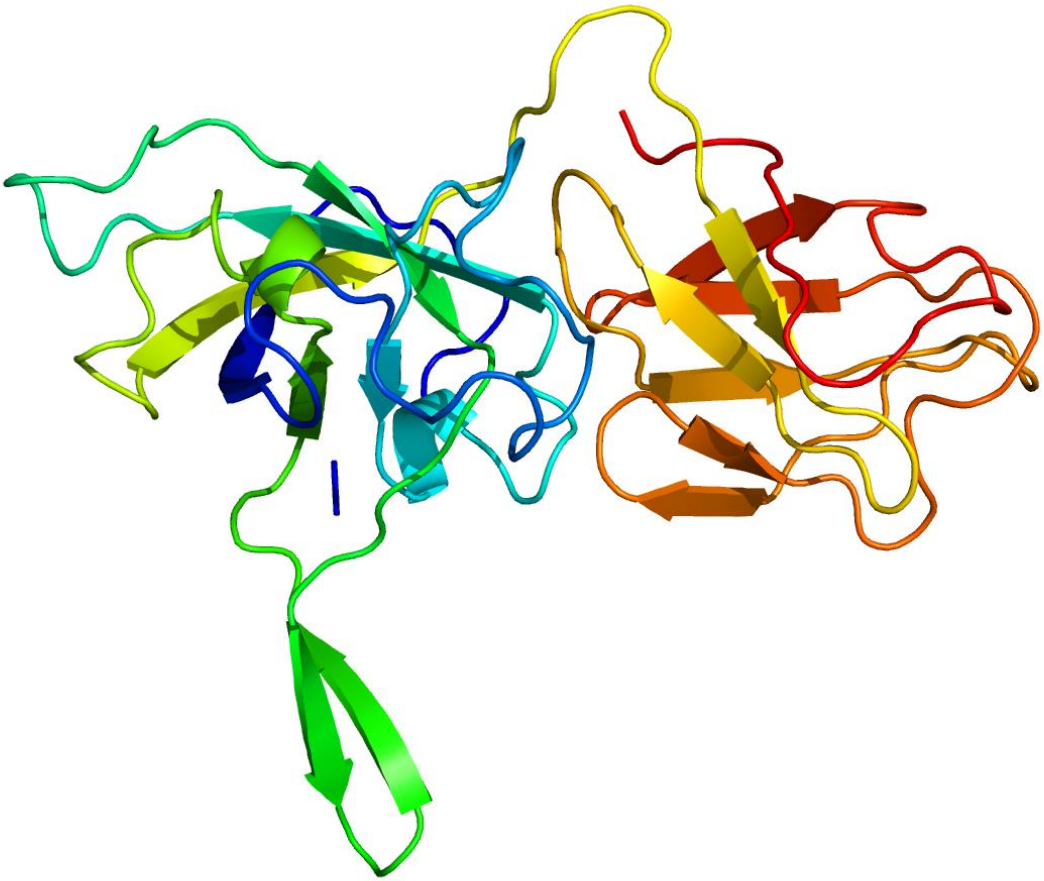
Locus: Lsat_1_v5_gn_9_37760

Gene Model: Lsat_1_v5_gn_9_37760.3

Description: LsEXPA-33

Family: Alpha Expansin

3D structure:



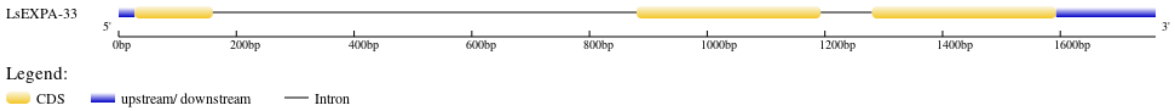
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Lsativa_V8
KEGG: https://www.genome.jp/entry/T05352

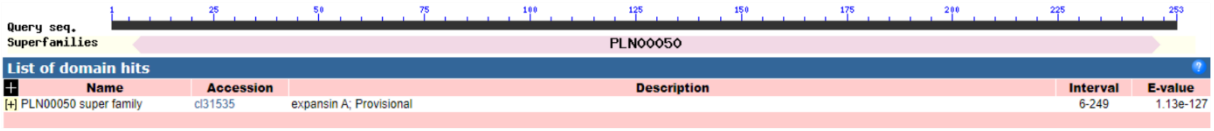
EXTERNAL RESOURCES

https://lgr.genomecenter.ucdavis.edu/
https://www.lettucegdb.com/

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPA-33

MQIMAILFLLTIMLLSLHTIHANKGGWQKAHATFYGGEDASGTMGGACGYGNLYSD
GYGTNTAALSTTLFNNGQSCGSCYQLRCIDDPKWCLHGIITITATNYCPPNYALANDN
GGWCNPPLRHFDLSQPAFLKIAQYRAGIVPVAYRRVPCVKRGGMRFTINGHSYFNLV
LITNVGGAGDIHGVSIKGSKTGWQRMTRNWGQNWQSNSYLDGQRLSFRVTAGDGR
TVTSYNVVPAGWQFGQTFQGGQYENF*

CDS (coding sequence)

>LsEXPA-33

ATGCAAATCATGGCTATTCTCTTCCTTTTAACCATCATGCTCTTGTCTCTCCACACC
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AGGATGCTTCTGGTACCATGGGTGGTGCATGCGGGTACGGCAATCTTTACAGCGA
CGGCTACGGCACAAATACGGCGGCGTTGAGCACCACCCTCTTCAACAACGGCCA
GAGCTGCGGTTCCTGCTACCAACTGCGGTGTATCGACGACCCAAAATGGTGTCTT
CATGGAATCATCACCATCACCGCCACCAACTATTGCCCACCAAATTACGCCCTTG
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TCTTACTTTAACTTGGTTTTGATAACCAACGTCGGAGGTGCAGGAGATATTCATG
GGGTTTCAATCAAAGGGTCGAAAACAGGGTGGCAAAGGATGACCAGAAACTGGG
GTCAAAATTGGCAAAGCAACTCGTATCTTGATGGTCAACGCCTCTCTTTTAGGGT
AACGGCAGGTGACGGAAGAACAGTCACCAGCTATAACGTGGTGCCTGCTGGTTG
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Nucleotide

>LsEXPA-33

ACCATCTCTCCCATTGTAAATTTGTTCATGCAAATCATGGCTATTCTCTTCCTTTTA
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AGGCTCATGCAACTTTCTACGGTGGTGAGGATGCTTCTGGTACCATGGGTACGTT
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CACCCTCTTCAACAACGGCCAGAGCTGCGGTTCCTGCTACCAACTGCGGTGTATC
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