IDENTIFICATION

Species: *Lactuca sativa*

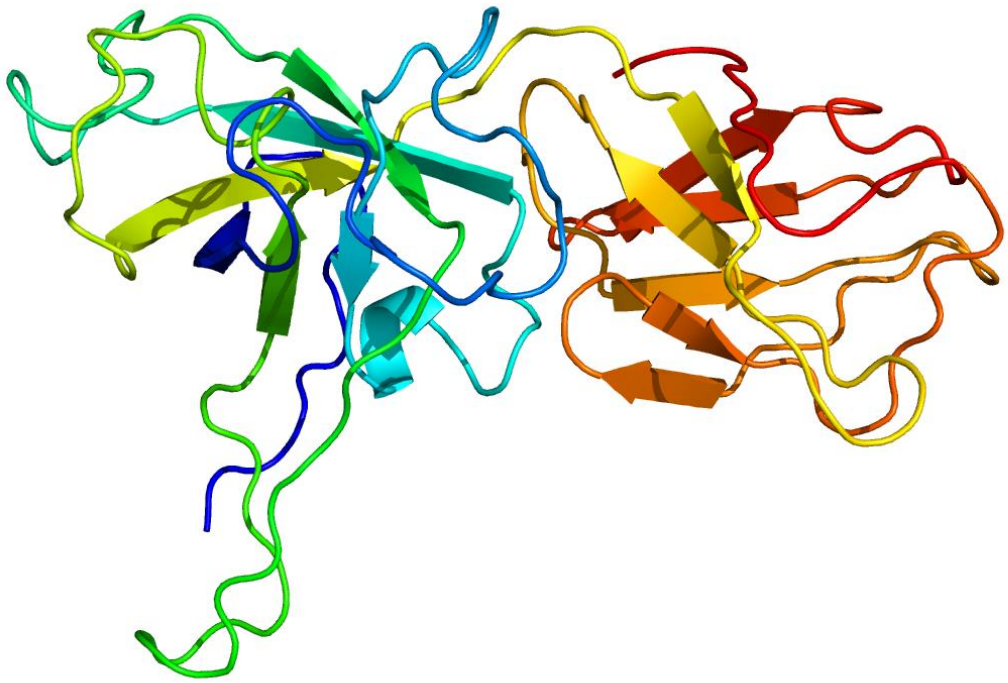
Locus: Lsat_1_v5_gn_9_23601

Gene Model: Lsat_1_v5_gn_9_23601.1

Description: LsEXPA-30

Family: Alpha Expansin

3D structure:



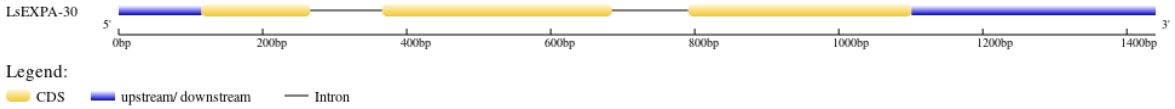
GENOME DATABASES

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

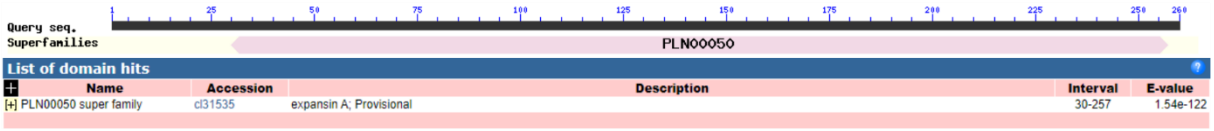
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPA-30

MGLAGGILFIIVTISVFSATHARIPGNYAGGSWQGAHATFYGGSDASGTMGGACGYG
NLYSQGYGVNTAALSTALFNKGFSCGACFEIKCSQDPRWCHPGSPSIFITATNFCPPNF
ALPNDNGGWCNPPRTHFDLAMPMFLKIAEYRAGIVPVSYRRVPCRKAGGIRFTINGH
RYFNLILISNVAGAGDVQKVWVKGTKTNWMSMSRNWGQNWQSNAVLVGQALSFR
VTGSDRRTSTSWNIAPASWQFGQTFTGKNFRV*

CDS (coding sequence)

>LsEXPA-30

ATGGGTCTCGCCGGCGGCATTCTCTTCATCATCGTCACCATCTCGGTTTTCTCAGC
GACCCACGCCAGAATCCCTGGAAACTACGCCGGCGGCTCGTGGCAAGGTGCTCAT
GCTACCTTCTATGGTGGCAGTGACGCCTCTGGCACTATGGGAGGTGCTTGTGGTT
ATGGAAACCTGTACAGCCAAGGCTACGGCGTTAACACGGCGGCGCTGAGCACGG
CGTTGTTCAACAAAGGGTTTAGCTGCGGTGCGTGCTTCGAAATCAAGTGCAGCCA
AGATCCGAGGTGGTGCCATCCCGGCAGCCCCTCCATCTTCATCACCGCCACTAAC
TTCTGCCCTCCGAACTTCGCTCTCCCTAACGACAATGGTGGATGGTGTAACCCTCC
TCGTACCCACTTCGACCTCGCCATGCCCATGTTCCTCAAGATCGCCGAATACCGC
GCCGGAATCGTCCCCGTTTCTTATCGCCGAGTGCCATGCCGGAAAGCTGGTGGGA
TCAGGTTCACCATCAACGGCCACCGTTACTTCAACTTGATTTTAATCAGCAACGTC
GCGGGTGCAGGGGATGTCCAGAAGGTCTGGGTCAAAGGGACGAAAACTAATTGG
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Nucleotide

>LsEXPA-30

TAAATACCAGCATAACTACCTCCCATTTCTTCACATTCCCACCATTAACTTCCCTC
ACCCTCTCTCTCCGAACCCAACTGAAGAGCTCAGATCTGCTCTCTTGTGCCGGACT
GACATGGGTCTCGCCGGCGGCATTCTCTTCATCATCGTCACCATCTCGGTTTTCTC
AGCGACCCACGCCAGAATCCCTGGAAACTACGCCGGCGGCTCGTGGCAAGGTGC
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TTCTCTCACATTTATACTGTTTGATGCACTTAGTCTAGAAGCTCCTAGATTCCGCC
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CGAACTTCGCTCTCCCTAACGACAATGGTGGATGGTGTAACCCTCCTCGTACCCA
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AACGGCCACCGTTACTTCAACTTGATTTTAATCAGCAACGTCGCGGGTGCAGGGG
ATGTCCAGAAGGTCTGGGTCAAAGGGACGAAAACTAATTGGATGAGCATGAGTC
GTAACTGGGGTCAAAATTGGCAGTCAAACGCCGTCCTCGTCGGTCAAGCACTCTC
CTTCAGGGTCACCGGGAGTGACCGGCGAACCTCCACCTCATGGAACATCGCTCCG
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