

IDENTIFICATION

Species: *Lactuca sativa*

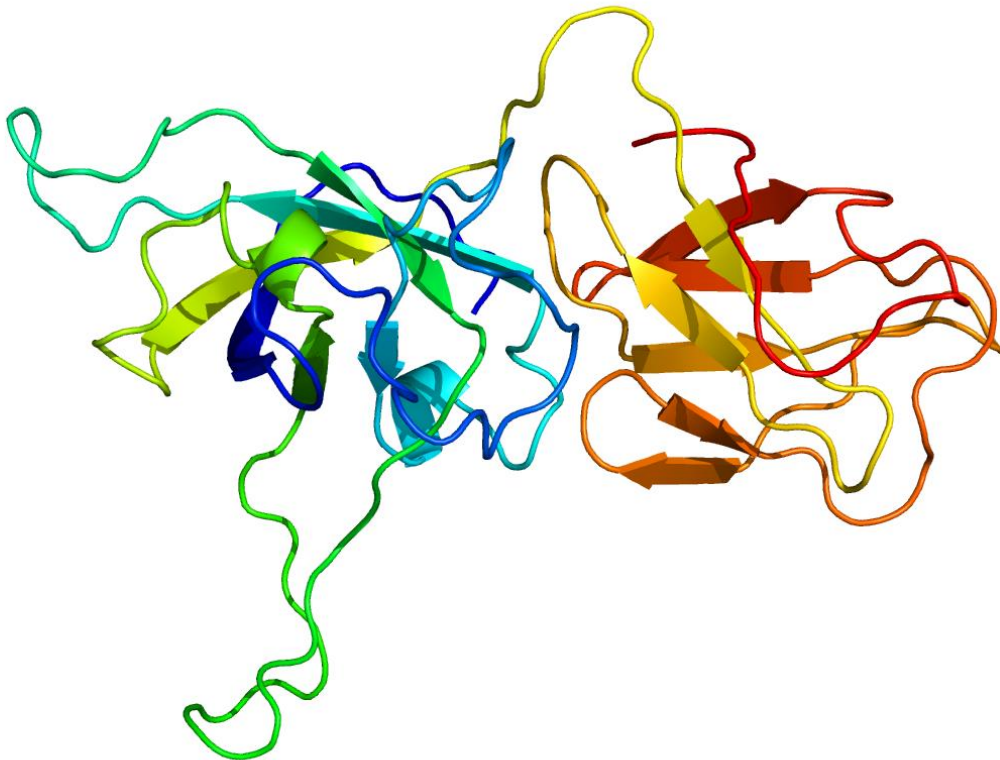
Locus: Lsat_1_v5_gn_5_170161

Gene Model: Lsat_1_v5_gn_5_170161.1

Description: LsEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

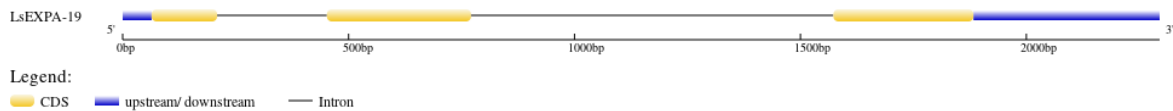
KEGG: <https://www.genome.jp/entry/T05352>

EXTERNAL RESOURCES

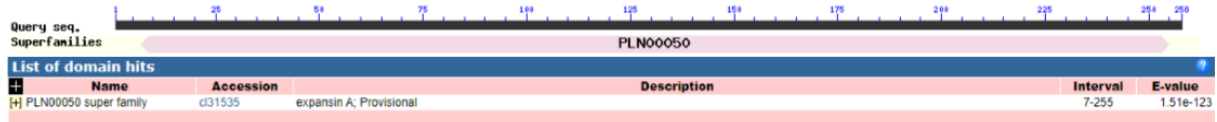
<https://lgr.genomecenter.ucdavis.edu/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPA-19

MAVVSSIVFIIFSVLVAECRIQGN YAGGPWEGAHATFYGGSDASGTMGGACGYGNL
YSQGYGVNTAALSTALFNGLSCGACFEIKCADDPRWCHPGSPSIFVTGTNFCPPNFA
LPNDNGGW CNPPRTHFDLAMP MFLKIAEYRAGIVPVS YRRVPCRKAGGIRFTINGFR
YFNLVLISNVAGAGDIQKVWVKGT KTNWMSMSRNW GQNWQSNAVLIGQSL SFRVT
ASDRRTSTSWNIAPANWQFGQTFAGKNFRV*

CDS (coding sequence)

>LsEXPA-19

ATGGCGGTAGTCTCCAGCATTGTCTTCATCATTTTCTCGGTGTTGTCCGTCGCCGA
ATGTAGAATTCAAGGAACTACGCCGGCGGCCCTTGGGAAGGTGCTCATGCTACC
TTCTACGGTGGAAGCGACGCCTCCGGTACAATGGGAGGCGCTTGTGGCTACGGGA
ATCTTTACAGCCAAGGATACGGAGTCAACACGGCGGGCGCTCAGCACCGCCCTCTT
CAACAACGGGCTAAGCTGCGGCGCATGTTTTGAAATCAAGTGCGCCGACGACCCCT
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CACTTCGACCTCGCCATGCCATGTTCTTAAGATTGCTGAATACCGCGCCGGAA
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A

Nucleotide

>LsEXPA-19

CTCACCGCATAATCCACCGTTAGTCACTCTCTCATCGCCTTTCCTCTGTGCAGTTG
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