

IDENTIFICATION

Species: *Lactuca sativa*

Locus: Lsat_1_v5_gn_8_51000

Gene Model: Lsat_1_v5_gn_8_51000.3

Description: LsEXPA-26

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

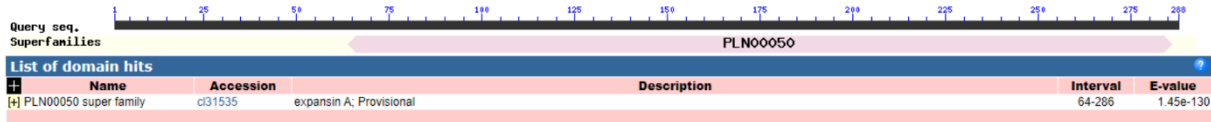
<https://lgr.genomecenter.ucdavis.edu/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPA-26

RRSYITVRQYSKFSYLYPLPLPNSLHHHFNSKSMALLAIFFLGFLAILSPVHGRGGRG
GGAGWKNAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTAMFNGLSC
GSCFAIKCVNDAKWCLPATIVVTATNFCPPNNALPNNNGGWCNPPNHFFDLSPQIFQ
HIAQFKAGIVPVA YKRVPCRRRGGIRFQINGHSYFNLVLITNVGGAGDVHAVAVKGS
RTGWQQMSRNWQNWQSN SYLNGQSLSFKVTSDGRTVVSYNVAPARWSFGQTF
GAQFH*

CDS (coding sequence)

>LsEXPA-26

CGACGTTTCATACATCACTGTGCGCCAATACAGTAAATTCTCTTATTTATATCCTCT
GCCACCACTCCCAAATTCTCTACATCACCATTTCAATTCAAATCCATGGCACTTT
TAGCTATTTTCTTTCTGGGTTTTCTCGCAATCCTCTCCCCTGTTACGGCAGAGGC
GGCCGCGGCGGCGGAGCTGGCTGGAAAACGCCATGCAACCTTCTACGGCAGGC
GGCGATGCATCTGGAACAATGGGTGGAGCTTGTGGATATGGGAATTTATACAGTC
AAGGGTATGGTACAAACACAGCAGCGCTAAGTACAGCTATGTTCAACAATGGTTT
AAGCTGTGGCTCTTGCTTTGCGATTAAATGCGTAAACGACGCTAAATGGTGTTG
CCGGCGACCATTGTCGTCACCGCCACCAACTTCTGCCACCGAACAACGCCTTAC
CTAACAACAACGGCGGGTGGTGCAACCCTCCAAATCACCCTTCGACCTTTCTCA
GCCTATCTTTCAACACATTGCCAATTCAAAGCCGGAATCGTCCCTGTTGCTTACA
AAAGGGTACCATGTCGGAGAAGGGGTGGAATTAGGTTTCAGATAAATGGGCACT
CGTACTTCAATCTGGTGTTGATTACAAACGTGGGTGGCGCCGGTGACGTTTCATGC
GGTGGCGGTCAAAGGGTCAAAGGACAGGGTGGCAGCAAATGTCTCGGAACTGGGG
GCAAATTTGGCAATCCAACCTTACCTCAACGGGCAGTCTTTGTCTTTTAAGGTCA
CCACAAGTGATGGTTCGAACTGTTGTTTCATACAATGTTGCCCTGCCCGTTGGTCC
TTCGGTCAGACCTTCAGTGGTGCCAGTTTCACTGA

Nucleotide

>LsEXPA-26

CGACGTTTCATACATCACTGTGCGCCAATACAGTAAATTCTCTTATTTATATCCTCT
GCCACCACTCCCAAATTCTCTACATCACCATTTCAATTCAAATCCATGGCACTTT
TAGCTATTTTCTTTCTGGGTTTTCTCGCAATCCTCTCCCCTGTTACGGCAGAGGC

GGCCGCGGCGGCGGAGCTGGCTGGAAAAACGCCCATGCAACCTTCTACGGCGGC
GGCGATGCATCTGGAACAATGGGTA CTTTCTAGTTTCATCCTTCCGTATCCAATTT
CTTTCCGACTACTTTCCGTTTGAGCTCTTTGATTAAATTTATCGACTGAATTGTGA
GCAGGTGGAGCTTGTGGATATGGGAATTTATACAGTCAAGGGTATGGTACAAAC
ACAGCAGCGCTAAGTACAGCTATGTTCAACAATGGTTTAAGCTGTGGCTCTTGCT
TTGCGATTAAATGCGTAAACGACGCTAAATGGTGTTTGCCGGCGACCATTGTCGT
CACCGCCACCAACTTCTGCCCACCGAACAACGCCTTACCTAACAACAACGGCGGG
TGGTGCAACCCTCCAAATCACC ACTTCGACCTTTCTCAGCCTATCTTTCAACACAT
TGCCCAATTCAAAGCCGGAATCGTCCCTGTTGCTTACAAAAGGTACTGCAACCAC
ATATTTCCCTTAGGGGTATTTTGGTCTTTTCACCTTTGTTAACATGTTATTA ACTAA
AACACCCTCATATGATACTTCGGCAAATTT CAGTTT GCGTCAATGTAATAACGTTT
AAGTTCTTCATTTGTAATTTTGCTTTTCTCAA AATTACCAA AATACCCTCAGGGGT
AATATGGTAAATACGTTTGCTAAACATTTGGGATCTGTTTTGTAGGGTACCATGTC
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GTCAAGGACAGGGTGGCAGCAAATGTCTCGGA ACTGGGGGCAA AATTGGCAATC
CAACTCTTACCTCAACGGGCAGTCTTTGTCTTTTAAGGTCACCACAAGTGATGGTC
GAACTGTTGTTTCATACAATGTTGCCCTGCCCGTTGGTCCTTCGGTCAGACCTTC
AGTGGTGCCAGTTTCACTGAAAAGACATATCTACCCTCCATACCTAATACGGTA
GCGGCATATAAATTATTATTTAGTTACTGCTACAATTTATGACTCAGAGAGGCTTA
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TAATGGCTTTTATTGTTGAGGTAGTAAGTTGTAAATTCATGTTTTTTTTATGTTGGT
AATGGAAAGTGACTCGTTT