

IDENTIFICATION

Species: *Lactuca sativa*

Locus: Lsat_1_v5_gn_2_7740

Gene Model: Lsat_1_v5_gn_2_7740.1

Description: LsEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

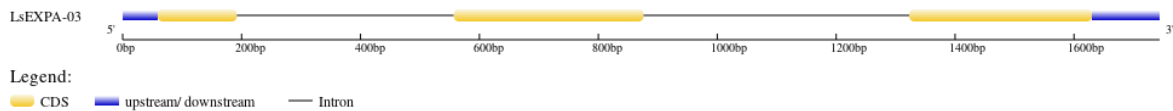
KEGG: <https://www.genome.jp/entry/T05352>

EXTERNAL RESOURCES

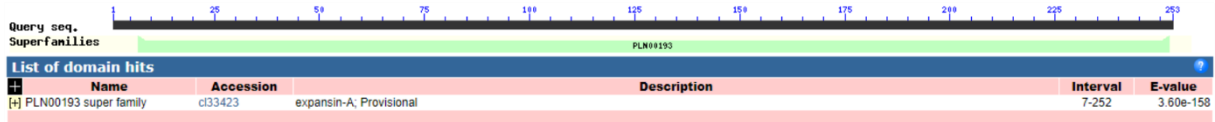
<https://lgr.genomecenter.ucdavis.edu/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LsEXPA-03

MAKTNILLLYIFCYLLVDIDALTASGWSKGHATFYGGSDASGTMGGACGYGDLHLA
GYGTRTAALSTSLFNKKGKACGQCYKIVCDRKADSRWCKKGSVTITATNFCPPNYALP
NNAGGWCNPPQLQHFDMAQPAWEKIGIYKGGIIPVIFQRVPCKRHGGVRFITLNGRDYF
ELVLITNLGGAGSIQSVRVKGSRTGWTSMSSNWGSNWQSNLYLNGQSLFSMVTITD
GVTKTFSNIVPANWRFGQTYSSRIQF*

CDS (coding sequence)

>LsEXPA-03

ATGGCAAAAACCAACATTTTGTGTTATATATATTCTGTTATCTTCTTGTGACAT
TGATGCCTTGACTGCTTCAGGGTGGAGTAAAGGTCATGCCACATTTTATGGAGGC
AGCGATGCTTCAGGAACAATGGGTGGAGCATGTGGCTATGGTGACTTGCACCTAG
CCGGGTATGGTACAAGAAGCTGCTGCATTGAGTACATCTCTTTTCAACAAGGGCAA
AGCGTGTGGCCAATGCTACAAGATTGTATGCGACCGAAAGGCTGACTCAAGGTG
GTGCAAGAAGGGCTCGGTTACTATTACTGCAACGAACCTTTTGCCACCGAATTAT
GCGCTACCGAATAATGCTGGAGGGTGGTGTAAACCCACCCCTCCAGCATTTGATA
TGGCTCAGCCTGCTTGGGAGAAAATTGGAATCTACAAAGGTGGAATCATTCCTGT
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GGGAGAGATTATTTTGAGCTTGTGTTTATTACAAATCTTGGTGGGGCGGGGTGCA
TTCAATCGGTGCGGGTGAAGGGTTCGAGAACCGGTTGGACATCCATGTCAAGCA
ATTGGGGGTCTAATTGGCAATCAAATTCGTATTTGAACGGCCAATCTCTTTGTTT
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Nucleotide

>LsEXPA-03

ATTCCTCTCAAACCTTCTTCATTCCTCACATTTTCTTCACTTTGTTTGCAAACCTAA
AAATGGCAAAAACCAACATTTTGTGTTATATATATTCTGTTATCTTCTTGTGAC
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AACCTAGTTAAAAATCCTGAATTTACACCCATTGTGTAGAGTTTTTTTCGTCACTA
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CTGCATTGAGTACATCTCTTTTCAACAAGGGCAAAGCGTGTGGCCAATGCTACAA
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CTCGTGTTTTTTATTGTATGAATCGGTGGTTGATTATACTGTCAAACAAAACATAT
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CATGTTGCATTTGCATGCAACTTGCAATTATACAATTCTTTTAATAAATCAAATT
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