

IDENTIFICATION

Species: *Linum usitatissimum*

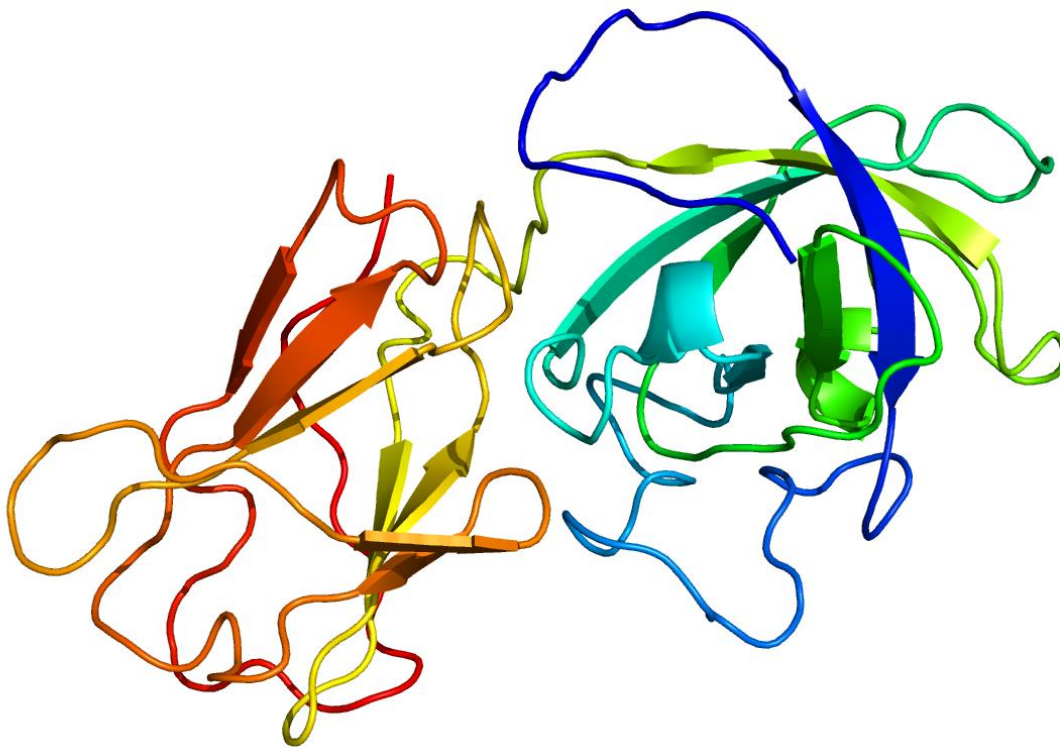
Locus: Lus10024478

Gene Model: Lus10024478

Description: LusEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

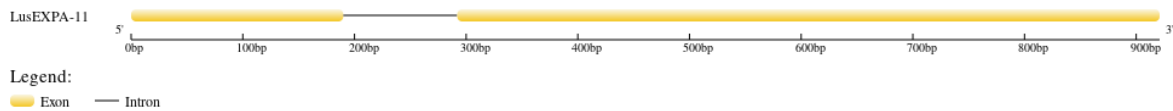
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

KEGG: <https://www.genome.jp/entry/D12016>

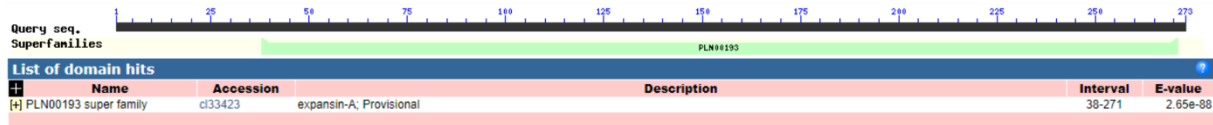
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-11

MKTWIPHFFFIAIAESLILLVDPIDAVGYGTTSVTRRVPVFRPSQWSVAHATFYGDETA
SATMGGACGYGNLFENGYGTDTAALSTTLFNNGYACGACYQIKCVQSPHCNSNAPF
TTVTATNICPPNWSQDSNNGGWCNPPRSHFDMSKPAFMKIAEWKAGIIPVFRRVSC
GTSGGIRFQFQNGYWLLVYVMNVGGGGDVGQMWVKGSKTGWISM SHNWGASY
QAFSSLRGQQLSFKLQSYTTKQVVYAWNVPANWNVGLTYKSDVNFH*

CDS (coding sequence)

>LusEXPA-11

ATGAAGACATGGATACCCCACTTCTTTTTTCATAGCAATAGCTGAAAGTCTCATA
TGCTTGTAGACCCAATAGATGCAGTTGGCTACGGCACCACCTCCGTTACTCGTCG
TGTGCCCCGTCTTTCGCCCCAGCCAATGGTCCGTAGCTCATGCAACTTTCTACGGTG
ACGAGACTGCCTCTGCTACCATGGGAGGAGCTTGTGGGTATGGGAATTTGTTTCGA
AAATGGGTACGGAACAGACACAGCAGCACTGAGCACAACATTGTTCAACAACGG
TTACGCCTGCGGAGCATGCTACCAGATCAAATGCGTCCAGTCCCCTCATTGTAAC
TCAAACGCACCCTTCACGACAGTGACCGCCACCAACATCTGCCCTCCAATTGGT
CCAAGACTCCAACAACGGCGGGTGGTGTAAACCCTCCCAGGTCGCACTTCGACAT
GTCCAACCCGCTTTCATGAAGATCGCCGAATGGAAGGCTGGAATAATCCCAGTC
GTGTTTCGAAGGGTGTCTGTCGGGACGAGCGGGCGGGATTTCGATTCCAATTCCAAG
GAAACGGGTATTGGTTGTTGGTGTATGTGATGAATGTAGGAGGAGGGGGTGACG
TAGGGCAGATGTGGGTGAAAGGAAGCAAGACAGGGTGGATTAGCATGAGCCATA
ATTGGGGGGCATCCTACCAGGCATTTTCAAGCTTGAGAGGCCAGCAACTTTCCTT
CAAACCTCAATCCTACTACTAAACAGGTTGTGTACGCTTGAACGTTGCACCT
GCCAACTGGAATGTCGGGTTGACTTATAAGTCTGATGTCAACTTCCACTGA

Nucleotide

>LusEXPA-11

ATGAAGACATGGATACCCCACTTCTTTTTTCATAGCAATAGCTGAAAGTCTCATA
TGCTTGTAGACCCAATAGATGCAGTTGGCTACGGCACCACCTCCGTTACTCGTCG
TGTGCCCCGTCTTTCGCCCCAGCCAATGGTCCGTAGCTCATGCAACTTTCTACGGTG
ACGAGACTGCCTCTGCTACCATGGGTACGTTATGTACATATATTGATTCACTTAAT
CGCATCTTCCTGATACCAGGTAGCCAATTCACCTTTTTAAACAAAATTGTGTTATC

TGTAATTTCTATAGGAGGAGCTTGTGGGTATGGGAATTTGTTTCGAAAATGGGTAC
GGAACAGACACAGCAGCACTGAGCACAAACATTGTTCAACAACGGTTACGCCTGC
GGAGCATGCTACCAGATCAAATGCGTCCAGTCCCCTCATTGTA ACTCAAACGCAC
CCTTCACGACAGTGACCGCCACCAACATCTGCCCTCCCAATTGGTCCCAAGACTC
CAACAACGGCGGGTGGTGTAAACCCTCCAGGTCGCACTTCGACATGTCCAAACCC
GCTTTCATGAAGATCGCCGAATGGAAGGCTGGAATAATCCCAGTCGTGTTTCGAA
GGGTGTCGTGCGGGACGAGCGGCGGGATTTCGATTCCAATTCCAAGGAAACGGGT
ATTGGTTGTTGGTGTATGTGATGAATGTAGGAGGAGGGGGTGACGTAGGGCAGA
TGTGGGTGAAAGGAAGCAAGACAGGGTGGATTAGCATGAGCCATAATTGGGGGG
CATCCTACCAGGCATTTTCAAGCTTGAGAGGCCAGCAACTTTCCTTCAA ACTCCA
ATCCTACACTACTAAACAGGTTGTGTACGCTTGGAACGTTGCACCTGCCAACTGG
AATGTCGGGTTGACTTATAAGTCTGATGTCAACTTCCACTGA