

IDENTIFICATION

Species: *Linum usitatissimum*

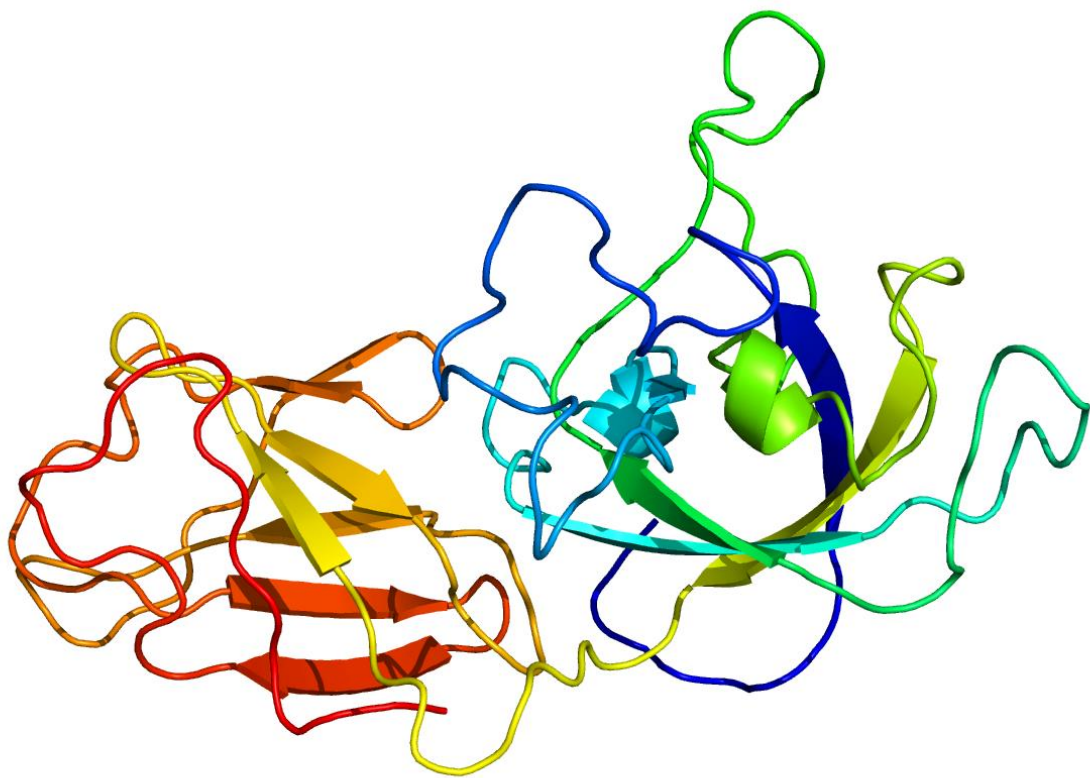
Locus: Lus10034548

Gene Model: Lus10034548

Description: LusEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

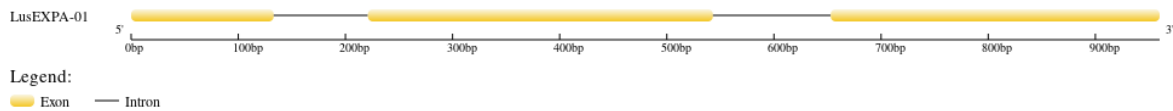
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

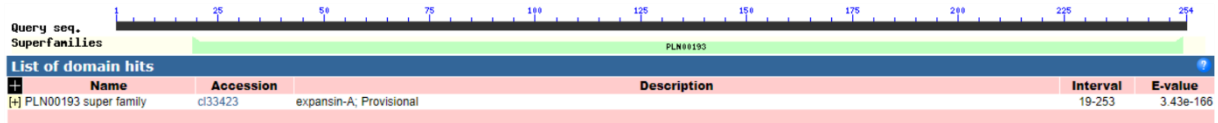
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-01

MALPLLLLSLFFLTSPNVVTAFAPSAWTKGHATFYGGSDASGTMGGACGYGNLYST
GYGTRTAALSTALFNDGASCGECKIICDFKTDPRWCIRGKSIKITATNFCPPNFAQPN
DDGGWCNPPLKHFDMAQPAWEKIGIYRGGIIPVLYQRPCKKHGGVRFINGRDIYFE
LVMISNVGGAGSIKSVSIKSGKTGWLTMsrNWGSNWQSNsYLDGQSLSFQVTTTDG
EMRTFNNIAPANWRFQTFSSRVQF*

CDS (coding sequence)

>LusEXPA-01

ATGGCTTTACCATTACTACTCTCCTTGTTCTTTCTCACTCCCAGTAATGTTGTC
ACCGCATTGCTCCTTCTGCTTGGACCAAAGGCCACGCCACTTTCTATGGCGGCA
GTGACGCTTCCGGAACCATGGGTGGGGCTTGCGGGTATGGTAACTTGTACTCGAC
TGGGTACGGGACACGAACGGCTGCGTTGAGCACTGCTCTGTTCAATGACGGGGCA
TCTTGCGGGGAGTGTTACAAGATCATCTGTGACTTCAAACGGATCCTAGGTGGT
GCATTAGGGGCAAGTCCATCAAGATCACTGCGACGAATTTCTGTCCTCCGAATTT
TGCTCAGCCGAACGACGATGGAGGATGGTGCAACCCGCCCTTGAAGCACTTTGAC
ATGGCTCAGCCAGCCTGGGAGAAGATTGGTATCTACAGAGGCGGAATCATTCTGT
TCCTGTACCAGAGGGTGCCATGTAAGAAGCACGGTGGAGTTAGGTTACAATCAA
CGGAAGAGACTACTTTGAGTTGGTGATGATTAGCAATGTCGGTGGAGCTGGATCT
ATTAATCGGTATCGATCAAGGGTTCGAAGACAGGGTGGTTGACCATGTCGAGA
AATTGGGGATCGAATTGGCAGTCGAATTCGTACCTCGATGGTCAGTCTCTGTCTG
TCCAAGTGACAACCACTGACGGGGAAATGAGAACTTTCAACAACATTGCGCCGG
CTAACTGGAGATTTGGGCAAACCTTCTCTAGTCGAGTACAGTTCTGA

Nucleotide

>LusEXPA-01

ATGGCTTTACCATTACTACTCTCCTTGTTCTTTCTCACTCCCAGTAATGTTGTC
ACCGCATTGCTCCTTCTGCTTGGACCAAAGGCCACGCCACTTTCTATGGCGGCA
GTGACGCTTCCGGAACCATGGGTACGTACTACTGCATCGATCGAATTTCTTCTAG
CCATATATATGTACCTTGTGATTTAATCGATTTTCATTCTTTAATTAACAGGTG
GGGCTTGCGGGTATGGTAACTTGTACTCGACTGGGTACGGGACACGAACGGCTGC
GTTGAGCACTGCTCTGTTCAATGACGGGGCATCTTGCGGGGAGTGTTACAAGATC

ATCTGTGACTTCAAAACGGATCCTAGGTGGTGCATTAGGGGCAAGTCCATCAAGA
TCACTGCGACGAATTTCTGTCCCTCCGAATTTTGCTCAGCCGAACGACGATGGAGG
ATGGTGCAACCCGCCCTTGAAGCACTTTGACATGGCTCAGCCAGCCTGGGAGAAG
ATTGGTATCTACAGAGGCGGAATCATTCCCTGTCCTGTACCAGAGGTACTGAATAT
ATATAGCACATACATTTTCAATTAGGTACTTCAACTATTGTGTATTTGCAATTTAA
TTAGTCATCTTAAAAATATATATGGTTTCTATTTTGTTTCGTAGGGTGCCATGTAAG
AAGCACGGTGGAGTTAGGTTCACAATCAACGGAAGAGACTACTTTGAGTTGGTG
ATGATTAGCAATGTCGGTGGAGCTGGATCTATTAAATCGGTATCGATCAAGGGTT
CGAAGACAGGGTGGTTGACCATGTGCGAGAAATTGGGGATCGAATTGGCAGTCGA
ATTCGTACCTCGATGGTCAGTCTCTGTCGTTCCAAGTGACAACCACTGACGGGGA
AATGAGAACTTTCAACAACATTGCGCCGGCTAACTGGAGATTTGGGCAAACCTTC
TCTAGTCGAGTACAGTTCTGA