

IDENTIFICATION

Species: *Linum usitatissimum*

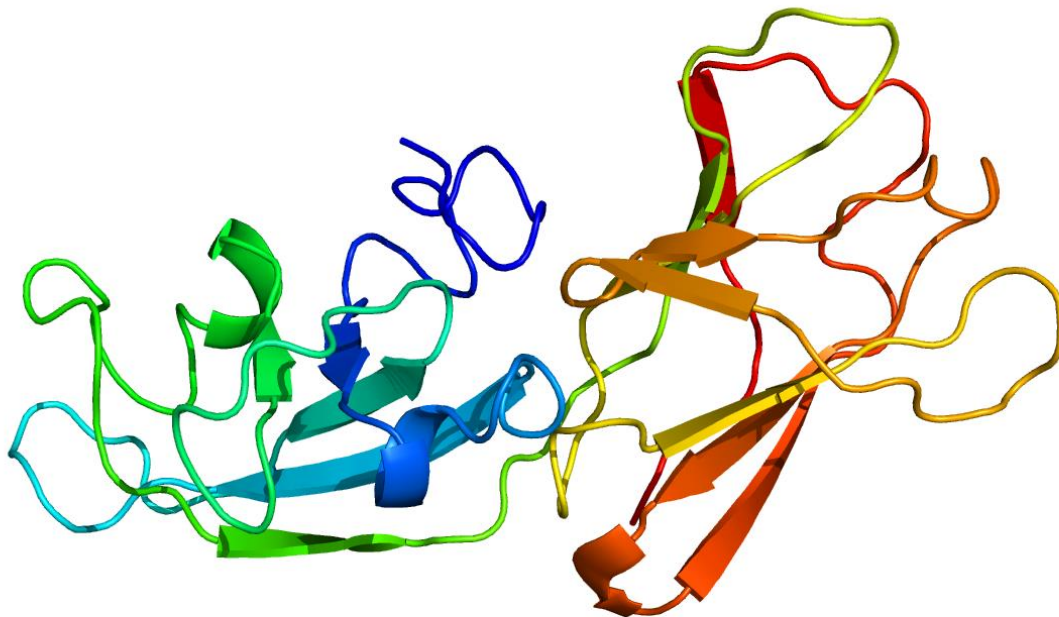
Locus: Lus10002997

Gene Model: Lus10002997

Description: LusEXPA-13

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>

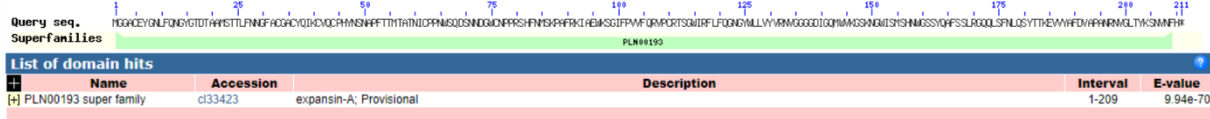
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-13

MGGACEYGNLFQNGYGTDTAAMSTTLFNNGFACGACYQIKCVQCPHYNSNAPFTT
MTATNICPPNWSQDSNNDGWCNPPRSHFNMSKPAFRKIAEWKSGIFPVVFQRVPCRT
SGWIRFLFQNGYWLLVYVRNVGGGGDIGQMWVKGSKNGWISMSHNWGSYQAF
SSLRGQQLSFNLQSYTTKEVVYAFDVAPANRNVGLTYKSNVNFH*

CDS (coding sequence)

>LusEXPA-13

ATGGGAGGAGCTTGTGAGTACGGGAATTTGTTCCAAAATGGGTATGGAACAGAT
ACAGCAGCAATGAGCACAAACATTGTTCAACAACGGTTTCGCTTGCGGAGCATGCT
ACCAAATCAAATGCGTCCAGTGCCCTCACTACAACCTCAAACGCACCCTTCACGAC
AATGACCGCCACTAACATCTGCCCTCCCAATTGGTCCCAAGACTCCAACAATGAT
GGGTGGTGCAACCCTCCCAGGTCGCATTTCAACATGTCCAAACCGGCTTTCAGGA
AGATCGCCGAATGGAAGTCTGGGATATTCCCGGTCGTGTTTCAGAGAGTGCCGTG
CAGGACGAGCGGTTGGATTTCGATTCTATTCCAAGGGAACGGGTATTGGTTGTTG
GTGTATGTGAGGAATGTAGGAGGAGGAGGTGACATAGGTCAGATGTGGGTGAAA
GGAAGCAAGAATGGGTGGATTAGCATGAGTCATAATTGGGGGTCATCGTACCAG
GCATTTTCGAGCTTGAGAGGCCAACAACTTTCATTCAATCTCCAATCCTACACTAC
TAAAGAGGTTGTGTACGTTTCGACGTTGCACCTGCCAACAGGAATGTCGGGTTG
ACTTACAAGTCTAATGTCAACTTCCACTGA

Nucleotide

>LusEXPA-13

ATGGGTACGTACATATATTGATTCACTTAATCACATCTTCATGATACCGGTAGCCA
GTTCAATTTGTTTAAACAAAATTATGTTGTCTGTAATTTCTACAGGAGGAGCTTGTG
AGTACGGGAATTTGTTCCAAAATGGGTATGGAACAGATACAGCAGCAATGAGCA
CAACATTGTTCAACAACGGTTTCGCTTGCGGAGCATGCTACCAAATCAAATGCGT
CCAGTGCCCTCACTACAACCTCAAACGCACCCTTCACGACAATGACCGCCACTAAC
ATCTGCCCTCCCAATTGGTCCCAAGACTCCAACAATGATGGGTGGTGCAACCCTC
CCAGGTCGCATTTCAACATGTCCAAACCGGCTTTCAGGAAGATCGCCGAATGGAA
GTCTGGGATATTCCCGGTCGTGTTTCAGAGAGTGCCGTGCAGGACGAGCGGTTGG
ATTCGATTCTATTCCAAGGGAACGGGTATTGGTTGTTGGTGTATGTGAGGAATG

TAGGAGGAGGAGGTGACATAGGTCAGATGTGGGTGAAAGGAAGCAAGAATGGG
TGGATTAGCATGAGTCATAATTGGGGGTCATCGTACCAGGCATTTTCGAGCTTGA
GAGGCCAACAACTTTCATTCAATCTCCAATCCTACACTACTAAAGAGGTTGTGTA
CGCTTTCGACGTTGCACCTGCCAACAGGAATGTCGGGTTGACTTACAAGTCTAAT
GTCAACTTCCACTGA