

IDENTIFICATION

Species: *Linum usitatissimum*

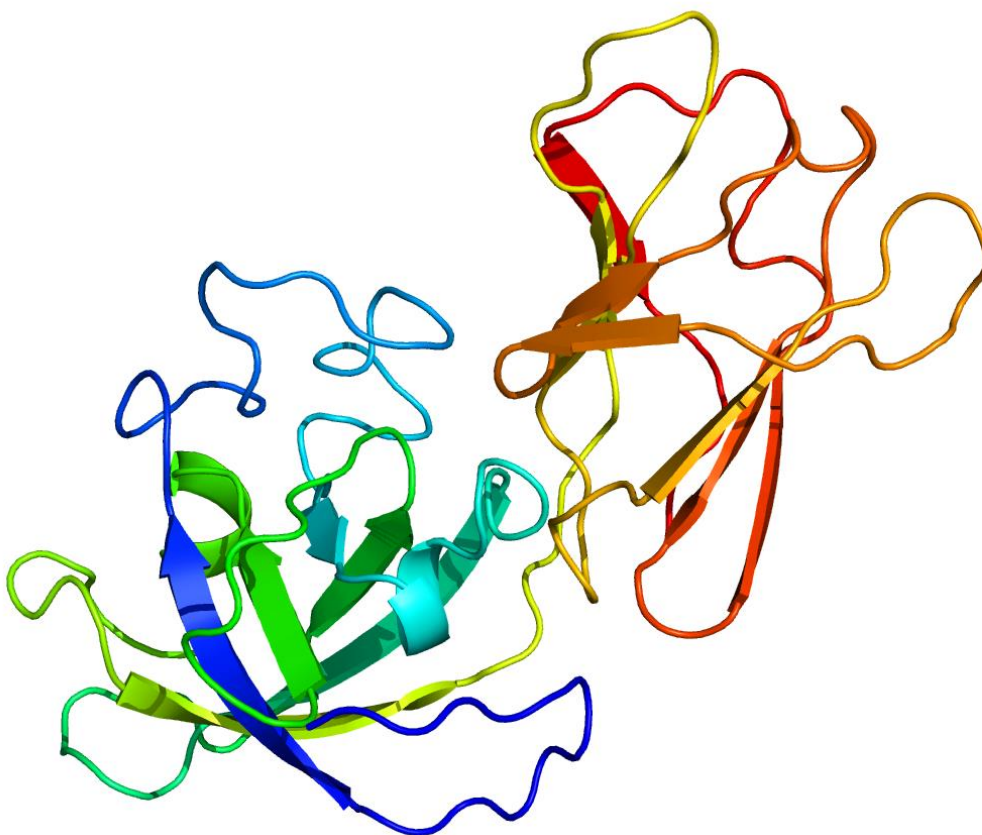
Locus: Lus10039009

Gene Model: Lus10039009

Description: LusEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

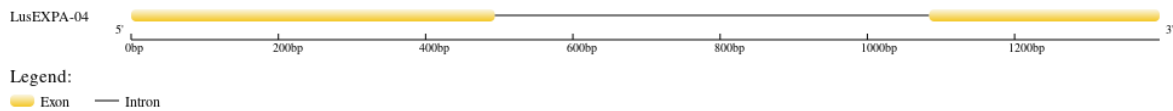
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

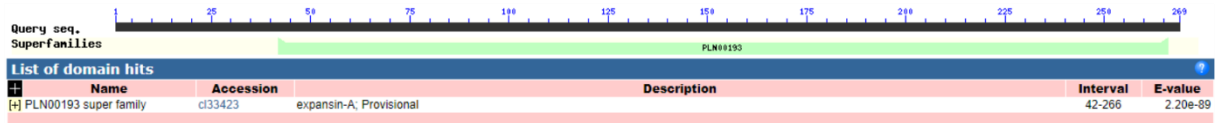
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-04

MPTFHILLLLIILPTSLPSAYSHGASSVESPPQHLPSISPDWKPARATYYAASDPRDSVG
GACGYGDLVKAGYGQATVGLSQSLFQRGAICGACFQLRCVDDLQWCIPGTSIILTVT
NFCAPNYGFPLEGGGHCNPPNDHFVLPPIEAFEKIAIWKAGNMPVQYRRIKCRKEGGIR
YTVSGSSIFISVLITNVAGAGDISAVKIKGSRTGWLPMGRNWWGQNWHINADLRNQPLS
FEVNSSDGQTVTAYNVAPKDOWNFGQTFEGSKQFEA*

CDS (coding sequence)

>LusEXPA-04

ATGCCTACTTTCCACATTCTCCTCCTCCTCATAATCCTCCCTACTTCACTCCCCTCC
GCCTACTCCCACGGCGCCTCCTCCGTCGAATCCCCGCCGCAGCACCTCCCATCCAT
TTCCCCGACTGGAAACCTGCTCGGGCAACTTACTACGCAGCATCCGACCCGCGC
GACTCCGTTCGGCGGAGCTTGTGGCTACGGCGACTTGGTGAAAGCCGGTTACGGCC
AGGCCACCGTGGGACTCAGCCAGTCCCTATTCCAGCGCGGCGGATCTGCGGCGC
CTGCTTCCAGCTCCGATGCGTCGACGATCTCCAGTGGTGCATCCCTGGCACTTCGA
TTATTCTCACTGTCACTAACTTCTGCGCACCTAATTACGGATTCCCTCTAGAAGGC
GGCGGCCATTGTAACCCTCCCAACGACCACTTCGTTCTCCCTATTGAAGCGTTTGA
GAAGATTGCAATCTGGAAGGCTGGCAACATGCCTGTACAGTATAGAAGAATCAA
ATGCAGAAAAGAAGGCGGGATACGGTACACTGTCTCAGGATCGAGCATCTTCAT
ATCGGTGCTTATCACAAATGTGGCAGGTGCAGGGGACATCAGTGCAGTGAAGAT
AAAGGGGTCTCGAACCGGGTGGCTTCCAATGGGTAGGAATTGGGGACAGAATTG
GCACATCAATGCTGACTTGAGAAACCAGCCATTGTCGTTTGAAGTAAACAGCAGT
GATGGGCAGACAGTACTGCTTACAATGTTGCCCTAAAGATTGGAACCTTTGGAC
AGACCTTTGAAGGTAGCAAACAATTTGAGGCTTAA

Nucleotide

>LusEXPA-04

ATGCCTACTTTCCACATTCTCCTCCTCCTCATAATCCTCCCTACTTCACTCCCCTCC
GCCTACTCCCACGGCGCCTCCTCCGTCGAATCCCCGCCGCAGCACCTCCCATCCAT
TTCCCCGACTGGAAACCTGCTCGGGCAACTTACTACGCAGCATCCGACCCGCGC
GACTCCGTTCGGCGGAGCTTGTGGCTACGGCGACTTGGTGAAAGCCGGTTACGGCC
AGGCCACCGTGGGACTCAGCCAGTCCCTATTCCAGCGCGGCGGATCTGCGGCGC

CTGCTTCCAGCTCCGATGCGTCGACGATCTCCAGTGGTGCATCCCTGGCACTTCGA
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GGCGGCCATTGTAACCCTCCCAACGACCACTTCGTTCTCCCTATTGAAGCGTTTGA
GAAGATTGCAATCTGGAAGGCTGGCAACATGCCTGTACAGTATAGAAGGTAACG
CTCATTGTAGATGGAAAATCACTGTAGTATTGCTATTTGAAATCTGGGATTTGGT
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GATTGCACCTGATAGAGGTATGATTCTACTAACTTAGCAGAGTCAGTGTGTAGG
CAATTGAAGTAGTTTGAATAGGATCCGAATTAGTCTCATGCTTGATGCAGCACTT
TCGAAAATTCGAAACCAATGCATGTCTTGTGGATGCTAGCTTGCTTAGTGTGCGAA
AAATCAAACCTTAATCTATGTGCTGTACTTGCCAAACGAAGGGTGAAGGATTAGAG
TTGAAGTCTCATTGTCATCTCTCATAGTTAGTAGCAATAAGCTGAAAGCTTAGAT
ATGGTGCATTCTTTAATGGAAGCAATGTAAACCTGAGTTTACAGCTCTTGAACCTA
GTTTCGAAAGGCTGAAGAATACTGGAGAACCATTTGCAGCCATACAGCAGAATG
AATGATCGACATTTTCGTTGAGTTTCCATCTTCGTATTTTCGTTTTTCGAAACTAGC
CTTTCTGAAGTGTGTGATTTTGGTGTGCTGTCAGAATCAAATGCAGAAAAGAAGGCG
GGATACGGTACACTGTCTCAGGATCGAGCATCTTCATATCGGTGCTTATCACAAA
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GTGGCTTCCAATGGGTAGGAATTGGGGACAGAATTGGCACATCAATGCTGACTTG
AGAAACCAGCCATTGTCGTTTGAAGTAAACAGCAGTGTGATGGGCAGACAGTTACT
GCTTACAATGTTGCCCTAAAGATTGGAACCTTGGACAGACCTTTGAAGGTAGCA
ACAATTTGAGGCTTAA