

IDENTIFICATION

Species: *Linum usitatissimum*

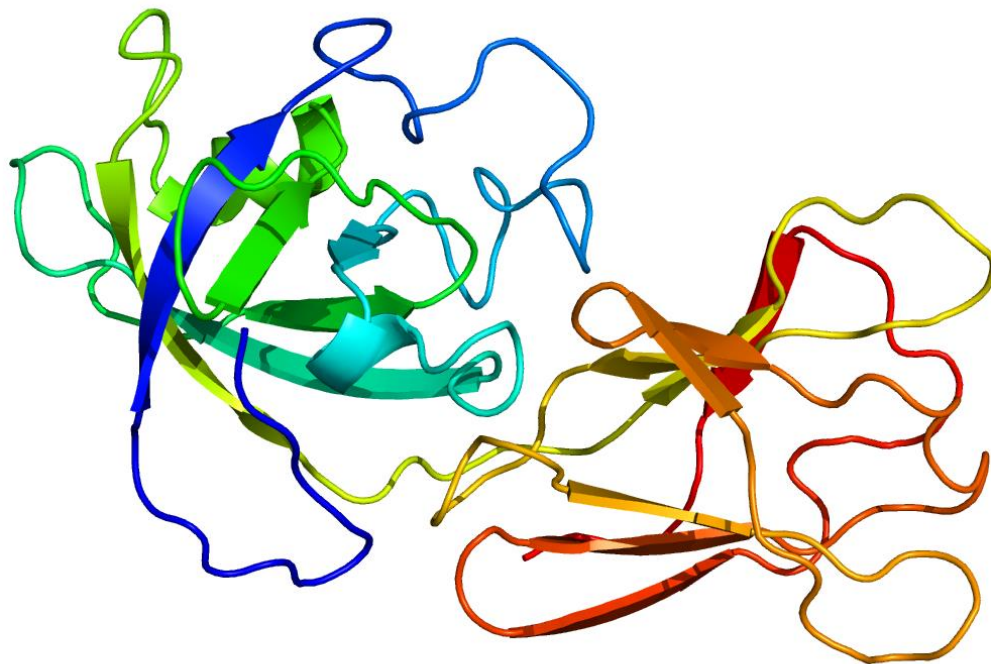
Locus: Lus10010454

Gene Model: Lus10010454

Description: LusEXPA-33

Family: Alpha Expansin

3D structure:



GENOME DATABASES

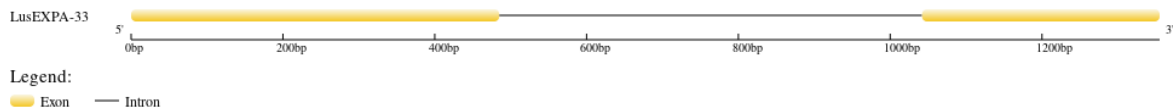
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

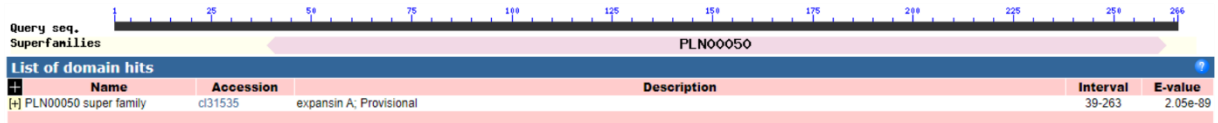
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-33

MAISFLLLLLILFPPLFPYTVSSPPQDSIPSSSSSNDWLSARATFYAASDPRDAVGGAC
GYGDLVKAGYGLSTVGLSESLFARGQICGACFELRCVDDLRCWIPGTSIIVTATNFCA
PNYGFSDSDGGGRCNPPNRHFVLPVEAFEKVAVWKAGNMPVQYRRIKCRKEGGIRYT
ISGSSIFISVLISNVAGAGDINAVKIKGSRTGWLPMGRNWGQNWGINADLRNQPFSFE
VTSSDGQTVTSYSVAPKDWSFGQTFEGSKQFVA*

CDS (coding sequence)

>LusEXPA-33

ATGGCGATCTCATTTCTCCTCCTCCTTATCCTCATCCTCTTCCC GCCGCTATTCCCC
TACACAGTCTCCTCTCCTCCGCAGGACAGTATCCCTTCTTCTCCTCCTCAAACGA
CTGGCTTTCAGCTCGAGCAACCTTCTACGCAGCGTCGGACCCGCGGGACGCCGTC
GGCGGAGCGTGCGGGTACGGCGACCTAGTCAAGGCCGGGTACGGACTTCCACC
GTCGGCCTGAGCGAGTCTCTGTTTCGCGCGAGGCCAGATCTGCGGAGCATGCTTCG
AGCTACGGTTCGTCGACGATCTACGCTGGTGTATCCCTGGAACCTTCGATTATAGT
CACGGCGACGAACTTCTGCGCTCCGAATTATGGATTTCGATTCCGACGGCGGGGG
CGGTGTAACCCTCCGAATCGGCATTTTGTGCTTCCAGTTGAGGGGTTTGAGAAGG
TCGCTGTTTGAAGGCTGGGAATATGCCTGTTTCAGTATCGGAGGATAAAGTGCAG
AAAAGAAGGCGGGATAAGGTACACGATATCTGGATCCAGCATCTTCATCTCGGTG
CTGATCAGCAACGTTGCAGGAGCGGGAGACATCAATGCTGTGAAGATCAAAGGG
TCAAGGACCGGGTGGCTCCCGATGGGAAGGAACTGGGGACAGAACTGGCACATC
AATGCCGACTTGAGAAACCAGCCATTGTTCGTTTCGAGGTCAGTACTAGTATGATGGCC
AGACTGTAACATCGTACAGTGTGCGCCCTAAAGATTGGAGCTTTGGGCAAACCTTT
TGAAGGCAGTAAGCAGTTTGTAGCTTAA

Nucleotide

>LusEXPA-33

ATGGCGATCTCATTTCTCCTCCTCCTTATCCTCATCCTCTTCCC GCCGCTATTCCCC
TACACAGTCTCCTCTCCTCCGCAGGACAGTATCCCTTCTTCTCCTCCTCAAACGA
CTGGCTTTCAGCTCGAGCAACCTTCTACGCAGCGTCGGACCCGCGGGACGCCGTC
GGCGGAGCGTGCGGGTACGGCGACCTAGTCAAGGCCGGGTACGGACTTCCACC
GTCGGCCTGAGCGAGTCTCTGTTTCGCGCGAGGCCAGATCTGCGGAGCATGCTTCG

AGCTACGGTGCGTCGACGATCTACGCTGGTGTATCCCTGGAAC TTCGATTATAGT
CACGGCGACGAACTTCTGCGCTCCGAATTATGGATTTCGATTCCGACGGCGGG
CGGTGTAACCCTCCGAATCGGCATTTTGTGCTTCCAGTTGAGGCGTTTGAGAAGG
TCGCTGTTTGGAAGGCTGGGAATATGCCTGTTTCAGTATCGGAGGTGAGATTTGA
ATCCTACCGTTTATTTGATTAGAGATGTTTGAATTGACTTGAACCTCTGATACTCC
ATTGAAGAGCCATTAGTGTAGGGCATTCTATGGTTTCAAATTCTCCATTGGTTGGG
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GTAGGATCGTTAAGAGAATTGGAAAGATTGATATTGAGCTTGAGTTGGATCCAAA
TAGGTGTGGGATAATGTGGACCAAATTGGCGAATTCCGGGTTTTCTGTTGTGTTTG
ATAGGATGAATGAAGCTAAGTACTTTGTTCTTGCTAGAATTTGTGATGGTAGAAT
CGCGACAGGATCGTAATAAGACTATTGATTTTAGCTCATATGGTACGACAGAGAG
GATATGCTTTATCAATCACCTAAAGATTGAGTCTTTCGAGCTAATCATAAAAAA
CCATCGTGTGAAAATGCTATAACCTCGACTCCTCGAGTTCGAAGGGAACACACAT
CTGGTTTTTGAACATTCTTATGTTCTTATCTCTGTTTCCTCCGCAGGATAAAGTG
CAGAAAAGAAGGCGGGATAAGGTACACGATATCTGGATCCAGCATCTTCATCTC
GGTGCTGATCAGCAACGTTGCAGGAGCGGGAGACATCAATGCTGTGAAGATCAA
AGGGTCAAGGACCGGGTGGCTCCCGATGGGAAGGAACTGGGGACAGAACTGGCA
CATCAATGCCGACTTGAGAAACCAGCCATTGTCGTTTCGAGGTCACTAGTAGTGAT
GGCCAGACTGTAACATCGTACAGTGTCGCCCTAAAGATTGGAGCTTTGGGCAA
CTTTTGAAGGCAGTAAGCAGTTTGTAGCTTAA