

IDENTIFICATION

Species: *Linum usitatissimum*

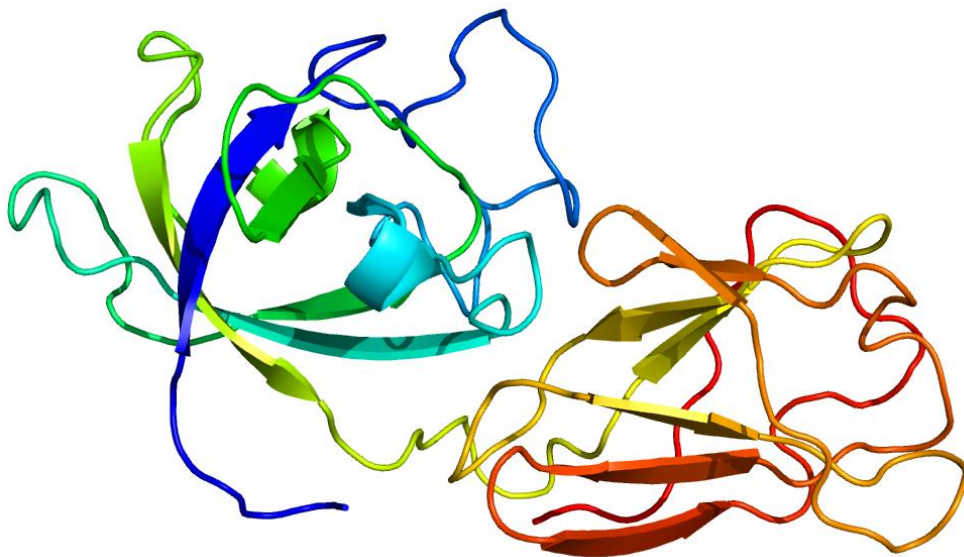
Locus: Lus10016533

Gene Model: Lus10016533

Description: LusEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

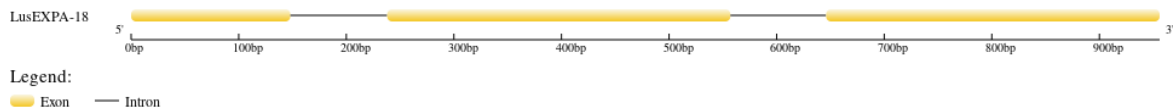
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

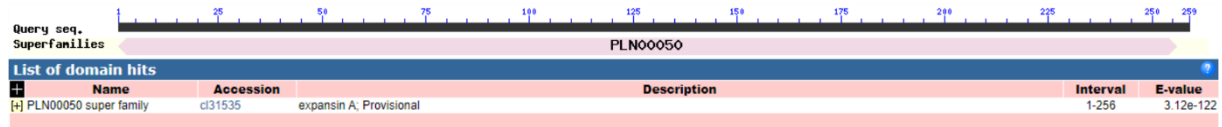
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-18

MGRLFFCIVLLLPLMWMVAEARIPGVYSGGGWQQAHAATFYGGSDASGTMGGACGY
GNLYSQGYGVNTAALSTALFNGLSCGSCFEIKCADDPRWCHSGSPSILITATNFCPP
NFAQPSDNGGWCNPPRPHFDLAMPMFLKIAEYRAGIVPVTYRRVPCRKRGGIRFTIN
GFRYFNLVLSNVAGAGDIVKVSVKGAKTGWMSMSRNWQSNWQSNVAVLVGQPLS
FRVTGSDRRTSTSWNIAPAGWQFGQTFGKNFRV*

CDS (coding sequence)

>LusEXPA-18

ATGGGCCGTCTGTTCTTCTGCATTGTGCTCTTATTGCCTTTAATGTGGATGGTGGC
AGAGGCTAGAATCCCCGGAGTCTACTCCGGCGGCGGATGGCAGCAAGCTCACGC
CACCTTCTACGGCGGTTCCGATGCTTCTGGAACCATGGGGGGAGCTTGTGGGTAC
GGAAATCTGTACAGCCAAGGATACGGAGTGAATACGGCAGCGCTAAGCACTGCT
CTGTTCAACAACGGGCTAAGCTGCGGATCCTGCTTCGAAATTAAGTGCGCCGACG
ACCCAAGATGGTGTCAATTCCGGCAGCCCTTCTATTTAATCACTGCAACCAACTTC
TGCCCACCAATTTTCGCACAACCCAGCGACAATGGCGGCTGGTGTAAATCCTCCTC
GCCACATTTTCGACCTTGCCATGCCCATGTTCTTGAAGATTGCAGAGTACCGGGC
CGGAATCGTCCCCGTCACCTACCGCCGGGTGCCGTGCAGGAAGAGGGGAGGGAT
TAGGTTCAACAATCAATGGTTTCCGTTACTTCAACCTTGTCTGGTGAGCAACGTGC
CCGGCGCTGGCGACATTGTGAAGGTGAGCGTGAAAGGAGCGAAGACAGGATGGA
TGAGCATGAGCCGGAAGTGGGGTCAAACACTGGCAGTCAAACGCTGTCTCGTTCG
GTCAACCTCTTTCGTTTCAGGGTCACAGGAAGCGACCGGCGGACTTCCACTTCTG
GAACATTGCTCCGGCGGGATGGCAGTTCGGCCAGACATTCACCGGGAAGAATTC
AGGGTCTGA

Nucleotide

>LusEXPA-18

ATGGGCCGTCTGTTCTTCTGCATTGTGCTCTTATTGCCTTTAATGTGGATGGTGGC
AGAGGCTAGAATCCCCGGAGTCTACTCCGGCGGCGGATGGCAGCAAGCTCACGC
CACCTTCTACGGCGGTTCCGATGCTTCTGGAACCATGGGTATGTTCTCACATTCCA
AAGATATGGTCTTAAAATTACAAAATGTGAGTACTCTGTTTTCTGAAACTCTGTT

TTTTTTTTGACTTCAGGGGGAGCTTGTGGGTACGGAAATCTGTACAGCCAAGGAT
ACGGAGTGAATACGGCAGCGCTAAGCACTGCTCTGTTCAACAACGGGGCTAAGCT
GCGGATCCTGCTTCGAAATTAAGTGCGCCGACGACCCAAGATGGTGTATTCCGG
CAGCCCTTCTATTTAATCACTGCAACCAACTTCTGCCACCCAATTCGCACAAC
CCAGCGACAATGGCGGCTGGTGTAAATCCTCCTCGCCACATTCGACCTTGCCAT
GCCCATGTTCTTGAAGATTGCAGAGTACCGGGCCGGAATCGTCCCCGTACCTAC
CGCCGGTAAGATTTAAATAAAAATCCGACCTTTACATTTTATTTCTCGGAAAAGG
GCAGAGCTGACGTGGAATTTTTTGTGTTTGAATAACAGGGTGCCGTGCAGGAAG
AGGGGAGGGATTAGGTTACAATCAATGGTTTCCGTTACTTCAACCTTGTTCTGGT
GAGCAACGTCGCCGGCGCTGGCGACATTGTGAAGGTGAGCGTGAAAGGAGCGAA
GACAGGATGGATGAGCATGAGCCGGA ACTGGGGTCAA AACTGGCAGTCAAACGC
TGTCTCGTCGGTCAACCTTTTCGTT CAGGGT CACAGGAAGCGACCGGCGGACT
TCCACTTCCTGGAACATTGCTCCGGCGGGATGGCAGTTCGGCCAGACATTCACCG
GGAAGAATTCAGGGTCTGA