IDENTIFICATION

Species: *Linum usitatissimum*

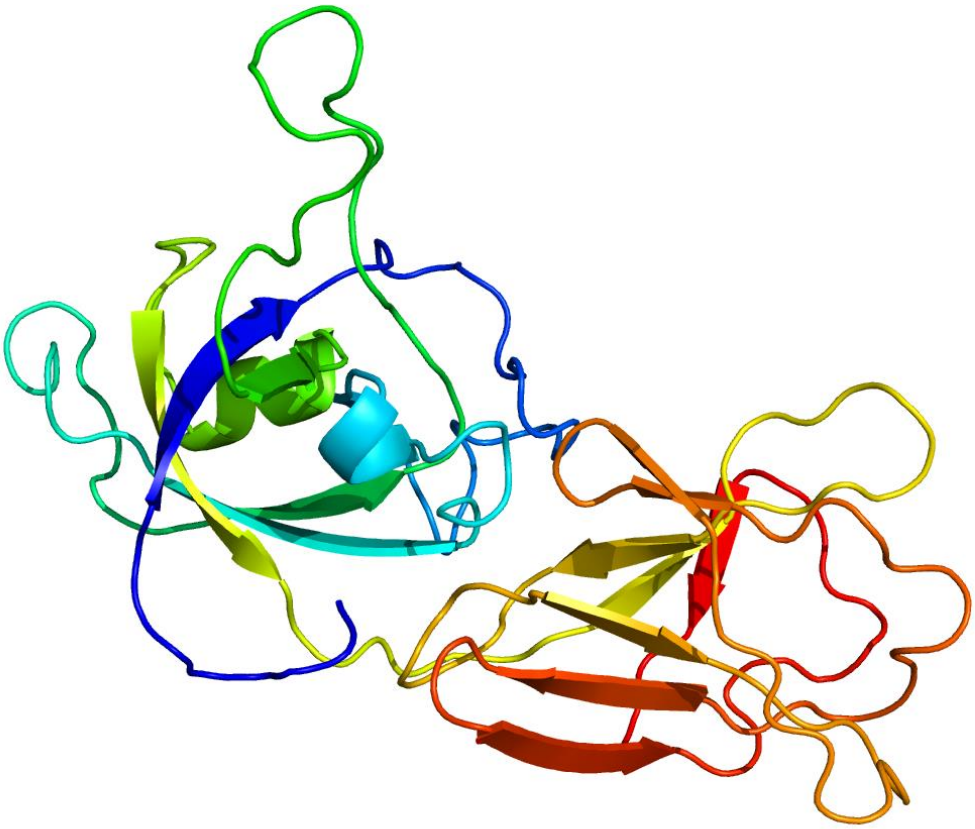
Locus: Lus10027740

Gene Model: Lus10027740

Description: LusEXPA-35

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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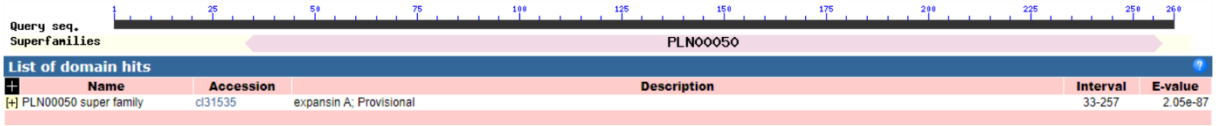
GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-35

MRTSSFQISTWVSLALTIMVVTFFADDCVAHDWMRAHATFYEGAPSTFGGACDFKD
TEQLGYGMNTAAVSSALFKKGETCGACFELRCVDDPKWCKLGQQTLIVTATDHCPP
NPSLPNDAGGWCNPPLEHFDIAKPAFHTLAEEKSGIIPVEYRRVPCQKQGGMKFSFSG
NPWFIQVVISNVGGAGDVKDVMVKEDGAMCEWTKMERDWGETWKTDNHELVGK
CLGFKVRTSDGRSVTATSVTPKDWQFGQTYQSRENF*

CDS (coding sequence)

>LusEXPA-35

ATGAGGACCTCCTCGTTTCAGATCTCGACGTGGGTATCGCTGGCCTTAACCATCAT
GGTCGTTACCTTCTTTGCCGATGATTGCGTAGCTCACGACTGGATGCGAGCCCAC
GCCACATTCTACGAAGGCGCCCCCTCCACTTTCGGAGGAGCATGTGACTTTAAAG
ACACGGAACAACTAGGGTATGGGATGAACACGGCAGCGGTGAGCAGCGCCTTGT
TCAAGAAAGGCGAGACCTGCGGTGCGTGCTTCGAGTTGAGGTGTGTCGACGACCC
GAAGTGGTGCAAGCTAGGGCAGCAGACGCTCATAGTCACCGCCACCGATCACTG
CCCGCCCAACCCTTCCCTCCCCAACGATGCGGGCGGTTGGTGCAATCCTCCCCTC
GAGCACTTCGACATCGCCAAGCCAGCGTTCCACACATTGGCTGAGGAGAAGAGT
GGCATCATCCCCGTGGAGTATCGCCGGGTGCCTTGCCAGAAGCAAGGCGGGATG
AAGTTTAGCTTTAGTGGCAACCCTTGGTTCATCCAGGTTGTGATATCGAATGTGG
GTGGGGCGGGAGATGTGAAGGATGTGATGGTGAAGGAGGACGGCGCCATGTGTG
AGTGGACGAAGATGGAGAGGGACTGGGGCGAGACCTGGAAAACCGACAACCAC
GAGCTGGTCGGAAAATGTTTGGGTTTCAAGGTGAGGACCAGCGACGGAAGGTCT
GTTACTGCTACCAGTGTCACTCCCAAGGATTGGCAGTTTGGGCAGACTTATCAGA
GCAGAGAGAACTTCTAG

Nucleotide

>LusEXPA-35

ATGAGGACCTCCTCGTTTCAGATCTCGACGTGGGTATCGCTGGCCTTAACCATCAT
GGTCGTTACCTTCTTTGCCGATGATTGCGTAGCTCACGACTGGATGCGAGCCCAC
GCCACATTCTACGAAGGCGCCCCCTCCACTTTCGGTACCGACAATCTTTCCAAAC
GTTCTTGTCCTTTTTATATAAATTCAAAACATACGCCGGCAAAAAAAACTACGAT
TTTAAACAATTTGTATGGAAATTCATCATTTTGGACTCATAGGTCCCATACGGTAG

CTGAAATTCGTAGTCCCTTAATTCTGCTATTGCTACGGGTGTACGTAGCTTGGGGT
TCCCTTTGCGAACAATGACGGTAACTTGTTTAAACTTCAATCTAAAATGTAAACG
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CGTCTTTCATACACAAAAAGATTGAAATTTTGAACAGTTTTGCTAATGAACTCGCT
ATAGAAGTAAAAAAAAAATTCAAAAATTGAAAAAGATAACTTAAACCTTGACGTT
ATAATTATATAGTACACATCCTACAGAACTTTTATGTGTAACGACGTCGTACTCGT
TTCACAGGAGGAGCATGTGACTTTAAAGACACGGAACAACTAGGGTATGGGATG
AACACGGCAGCGGTGAGCAGCGCCTTGTTCAAGAAAGGCGAGACCTGCGGTGCG
TGCTTCGAGTTGAGGTGTGTCGACGACCCGAAGTGGTGCAAGCTAGGGCAGCAG
ACGCTCATAGTCACCGCCACCGATCACTGCCCGCCCAACCCTTCCCTCCCCAACG
ATGCGGGCGGTTGGTGCAATCCTCCCCTCGAGCACTTCGACATCGCCAAGCCAGC
GTTCCACACATTGGCTGAGGAGAAGAGTGGCATCATCCCCGTGGAGTATCGCCGG
GTGCCTTGCCAGAAGCAAGGCGGGATGAAGTTTAGCTTTAGTGGCAACCCTTGGT
TCATCCAGGTACGTACATCTACGCTCAAATCGAATCATTTCTAACTTGTATCATGT
CACGATAACTCTGACAGTTATATGTTAACCCTTGGATGGATCGTGATTCGTATAG
GTTGTGATATCGAATGTGGGTGGGGCGGGAGATGTGAAGGATGTGATGGTGAAG
GAGGACGGCGCCATGTGTGAGTGGACGAAGATGGAGAGGGACTGGGGCGAGAC
CTGGAAAACCGACAACCACGAGCTGGTCGGAAAATGTTTGGGTTTCAAGGTGAG
GACCAGCGACGGAAGGTCTGTTACTGCTACCAGTGTCACTCCCAAGGATTGGCAG
TTTGGGCAGACTTATCAGAGCAGAGAGAACTTCTAG