

IDENTIFICATION

Species: *Linum usitatissimum*

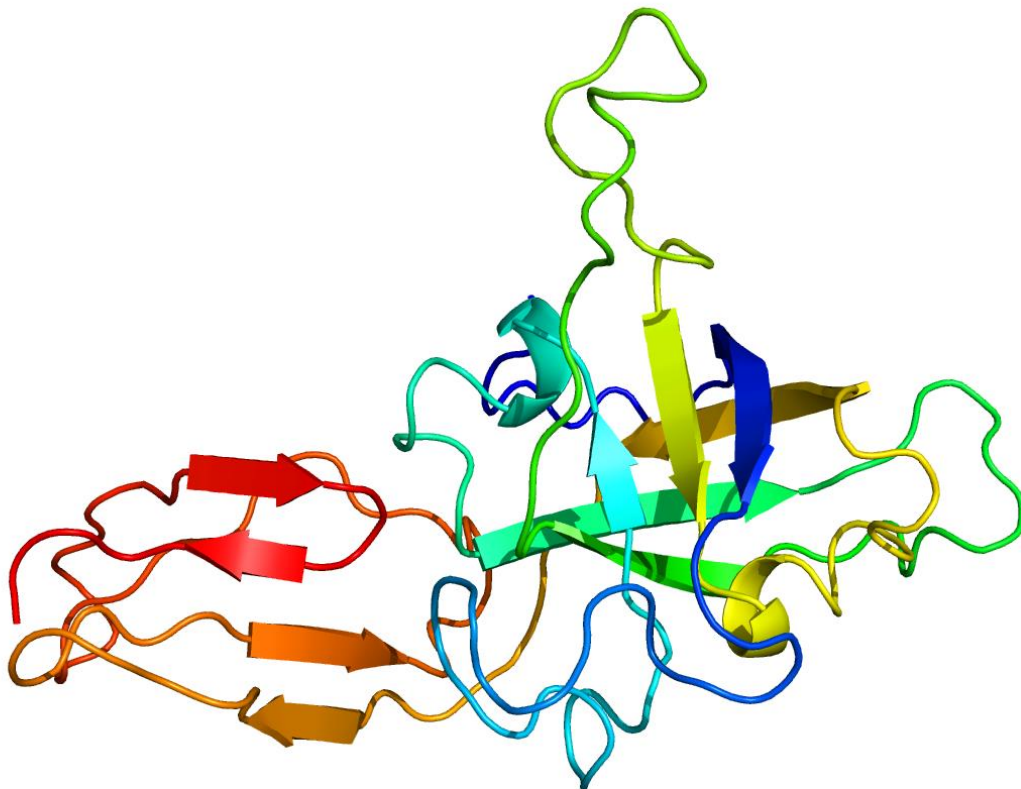
Locus: Lus10030449

Gene Model: Lus10030449

Description: LusEXPA-34

Family: Alpha Expansin

3D structure:



GENOME DATABASES

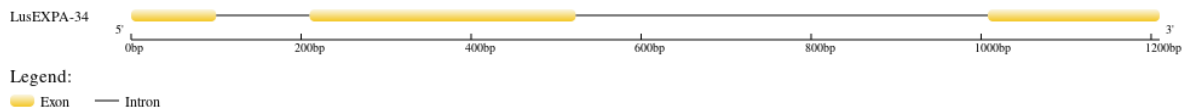
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

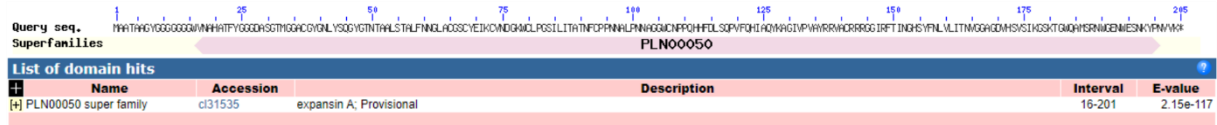
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-34

MAATAAGYGGGGGGWVNAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAA
LSTALFNGLACGSCYEIKCVNDGKWCLPGSILITATNFCPPNNALPNNAGGWCNPP
QHFDLSQPVFQHIAQYKAGIVPVAYRRVACRRRGGIRFTINGHSYFNLVLITNVGGA
GDVHSVSIKGSKTGWQAMSRNWGENWESNKYPNVVK*

CDS (coding sequence)

>LusEXPA-34

ATGGCGGCCACCGCAGCCGGATACGGCGGAGGAGGAGGCGGAGGATGGGTCAA
CGCTCACGCAACTTTCTACGGCGGTGGTGTGCTTCTGGCACAATGGGCGGAGCT
TGTGGGTATGGGAATCTGTACAGCCAGGGATACGGGACGAACACTGCAGCTTTG
AGCACGGCTCTGTTCAACAATGGACTTGCTTGTGGGTCCTGCTACGAGATTAAGT
GTGTCAACGACGGGAAATGGTGCTTGCCGGGCTCGATTCTCATCACGGCGACCAA
CTTCTGCCCGCCGAACAATGCTCTGCCCAACAACGCCGGCGGCTGGTGCAACCCA
CCTCAGCACCCTTTGACCTCTCTCAGCCTGTGTTCCAGCACATTGCTCAGTACAA
GGCCGGAATCGTCCCCGTGCCTACCGCCGGGTTGCATGCAGGAGAAGAGGAGG
CATTAGGTTCAACAATCAATGGCCACTCATACTTCAACCTGGTCTTGATCACCAAC
GTTGGTGGAGCTGGTGTGCTCACTCTGTGTCGATCAAGGGCTCGAAAACCGGAT
GGCAAGCCATGTCTAGGAAGTGGGGGAGAATTGGGAGAGCAACAAATACCCCA
ATGTAGTAAAGTAG

Nucleotide

>LusEXPA-34

ATGGCGGCCACCGCAGCCGGATACGGCGGAGGAGGAGGCGGAGGATGGGTCAA
CGCTCACGCAACTTTCTACGGCGGTGGTGTGCTTCTGGCACAATGGGTACGCAT
TACACCTTAAACGCATCCCCAATTTCAAGTTTTCAACTCATTTGGTTAAGAAAGTC
GTAATCTTTTTGGCTGATTTTGGAGAAATTTTTGATTTTTTTTCAGGCGGAGCTTGT
GGGTATGGGAATCTGTACAGCCAGGGATACGGGACGAACACTGCAGCTTTGAGC
ACGGCTCTGTTCAACAATGGACTTGCTTGTGGGTCCTGCTACGAGATTAAGTGTG
TCAACGACGGGAAATGGTGCTTGCCGGGCTCGATTCTCATCACGGCGACCAACTT
CTGCCCGCCGAACAATGCTCTGCCCAACAACGCCGGCGGCTGGTGCAACCCACCT

CAGCACCACCTTTGACCTCTCTCAGCCTGTGTTCCAGCACATTGCTCAGTACAAGGC
CGGAATCGTCCCCGTCGCCTACCGCCGGTAAGAAATTATAACCTGTTATTTAGAA
G TTCAGTAAGTCTTAACGGTTGAAATGACCAAATAACCCCTTCAACTGACCAAAT
AACGTCTTCTATACTAAAATTCTCAAATTTTTACCAGTATGGTCAAAGTACCCAAC
TTTTTCTGCATTTTTGGGACCCTTTGACCGTTATAACCCATTTTGAAGTAACCGGT
ATTGGTTTGGTTGTCTGGTTTGGTTTAGTAATGTTGAGACCAATATGTCCATAAAG
AACCTTACTTTTCCTTGAAATTGGACACTATTACCCTTGGTGACTATGAACCTTTT
TTGAGACTTTAGCCCATCTTTGGTTTAATGATGTGGGTTTGTGCTTTTTGGTTTGGT
TTAGTATATATTGAGACCAATATGTATGTCCACAAATAAACCTACTTTTTCCAATA
TGGACACTTTTACCCCTGGGGAACCATTTCATTTACATGGCTTTGTGGTGTCTTTT
GGTGTGTAGGGTTGCATGCAGGAGAAGAGGAGGCATTAGGTTCACAATCAATGG
CCACTCATACTTCAACCTGGTCTTGATCACCAACGTTGGTGGAGCTGGTGTATGTCC
ACTCTGTGTCGATCAAGGGCTCGAAAACCGGATGGCAAGCCATGTCTAGGAACTG
GGGGGAGAATTGGGAGAGCAACAAATACCCAATGTAGTAAAGTAG