

IDENTIFICATION

Species: *Linum usitatissimum*

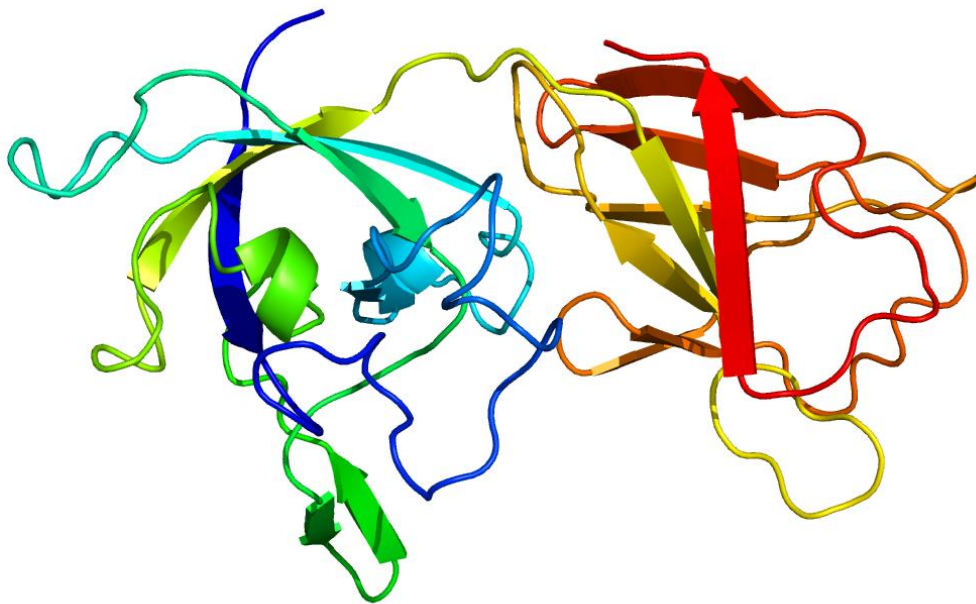
Locus: Lus10029038

Gene Model: Lus10029038

Description: LusEXPA-21

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>

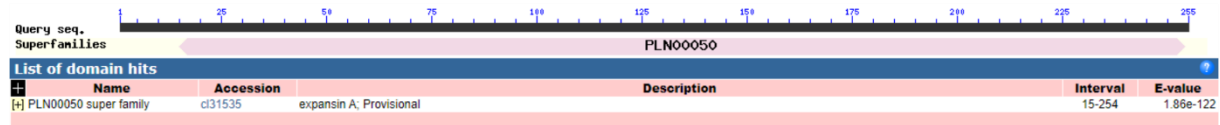
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-21

MASSIPTMVSSVLLLVMITVSGTFADYGGWVGGHATFYGGGDASGTMGGACGYG
NLNSQGYGTNTAALSTALFNGLSCGACYELQCNN DPRWCLPGSIIVTATNFCPPNL
GLSNDNGGWCNPPLEHFDLAEP AFLQIAQYRAGIVPVSFRRVPCMKRGGVRF TINGH
SYFNLV LVTNVGGAGDVRSVSIKGSKSSSWQSMSRNWQNWQSN SYMNGQSLSFQ
VTSDGRTL TNYNVAPAGWQFGQTFEGLQF*

CDS (coding sequence)

>LusEXPA-21

ATGGCTTCTTCTTCCATTCCCTACAATGGTGTCTCTGTTCTTCTGCTAGTGATGATC
ACTGTCTCCGGCACTTTTGCAGACTACGGCGGATGGGTCTGGCGGCCATGCCACCT
TCTACGGCGGCGGCGATGCTTCTGGCACAATGGGAGGGGCTTGTGGATATGGGA
ACTTGAACAGCCAAGGGTACGGTACAAACACTGCAGCGTTGAGTACCGCATTGTT
CAACAATGGCTTGAGCTGCGGGGCTTGCTATGAGCTCCAATGCAACAACGATCCG
AGATGGTGCCTCCCTGGCTCGATCATCGTCACCGCCACCAATTTCTGCCCTCCGAA
CTTGGGGTTGTCTAACGACAACGGCGGATGGTGTAAACCCTCCTCTTGAGCATTTT
GATTTGGCTGAACCGGCGTTCCTCCAAATCGCCCAATACAGGGCGGGGATCGTTC
CCGTCTCTTTCAGAAGGGTGCCCTGCATGAAGAGAGGAGGAGTGAGGTTACAGAT
CAACGGGCACTCGTACTTCAACCTGGTGTGCTGGTCACGAACGTGGGAGGTGCCGGA
GACGTACGAAGCGTTTCAATTAAGGGATCGAAGTCGTCGAGTTGGCAGAGCATGT
CAAGGAATTGGGGTCAGAATTGGCAGAGCAACTCATATATGAATGGCCAGAGCT
TGTCTTTCCAAGTTACCACTAGCGATGGCCGGACCTTAACCAACTACAACGTTGC
CCCCGCAGGGTGGCAATTTGGCCAAACCTTTGAAGGCCTTCAGTTCTAA

Nucleotide

>LusEXPA-21

ATGGCTTCTTCTTCCATTCCCTACAATGGTGTCTCTGTTCTTCTGCTAGTGATGATC
ACTGTCTCCGGCACTTTTGCAGACTACGGCGGATGGGTCTGGCGGCCATGCCACCT
TCTACGGCGGCGGCGATGCTTCTGGCACAATGGGTATGTGTCAAATCCAATATT
TTTTATCAGAAACATTGTTATTACGAATCTTTTTTCGATTTTCGGATTAGTGGGTTTG
TAATTTGACTCATTTTAGGTTACTGGGTTCTTGTGACAAGAGGTA AATAGTAACA
AAGTTTGAATCTTTTTTCAAAAATTGTTACAGGAGGGGCTTGTGGATATGGGAAC

TTGAACAGCCAAGGGTACGGTACAAACACTGCAGCGTTGAGTACCGCATTGTTCA
ACAATGGCTTGAGCTGCGGGGCTTGCTATGAGCTCCAATGCAACAACGATCCGAG
ATGGTGCCTCCCTGGCTCGATCATCGTCACCGCCACCAATTTCTGCCCTCCGA
TGGGGTTGTCTAACGACAACGGCGGATGGTGTAACCCCTCCTCTTGAGCATT
TTTGGCTGAACCGGCGTTCCTCCAAATCGCCCAATACAGGGCGGGGATCGTTCC
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TTGACGAATTTACTGGTTGACCAACATACGGAAGTGTTACAAAATGATCACTACT
TCACTATACTATATATATAATATAGATCCCCTAATTTCAATACTCCATACCAA
ATCCTAATAGTGCTTCTGAATGTCGTTTTGACAATAATAGGGTGCCTGCATGAA
GAGAGGAGGAGTGAGGTTACGATCAACGGGCACTCGTACTTCAACCTGGTGCT
GGTCACGAACGTGGGAGGTGCCGGAGACGTACGAAGCGTTTCAATTAAGGGATC
GAAGTCGTCGAGTTGGCAGAGCATGTCAAGGAATTGGGGTCAGAATTGGCAGAG
CAACTCATATATGAATGGCCAGAGCTTGTCTTTCCAAGTTACCACTAGCGATGGC
CGGACCTTAACCAACTACAACGTTGCCCCCGCAGGGTGGCAATTTGGCCAAACCT
TTGAAGGCCTTCAGTTCTAA