

IDENTIFICATION

Species: *Linum usitatissimum*

Locus: Lus10008603

Gene Model: Lus10008603

Description: LusEXPA-37

Family: Alpha Expansin

3D structure:



GENOME DATABASES

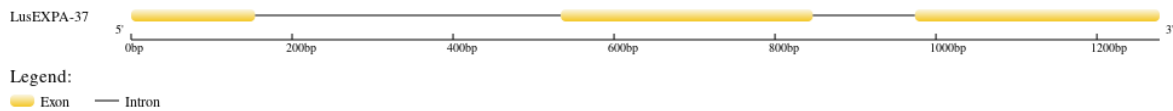
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

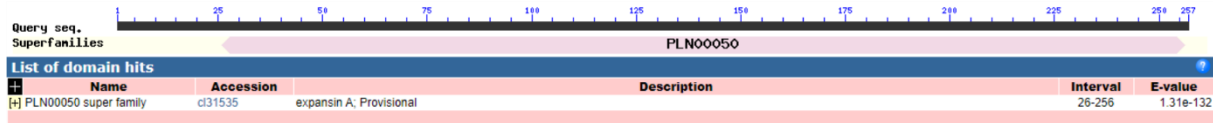
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-37

MAAHFSFSPSILLSSFLFVTFMFDRVSAGYGGWQSAHATFYGGGDSAGTMGGACG
YGNLYSQGFGTNTAALSTALFNGLSCGACFEMRCMDDAKWCLPRTITVTATNFCP
PNPALPNNAGGWCNPLQHFDLAQAFLQIARYRAGIVPVSFRRVPCWKKGGIRFTIN
GHSYFNLVLVTNVGGAGDVHAVAVKGSKTGWQSLSRNWGQNWQSNTYLNQSLT
FSVTTSDGKTVTSYNVAPSGWQFGQTFEGRQF*

CDS (coding sequence)

>LusEXPA-37

ATGGCGGCTCATTCTCATTCTCCTTCGATCCTTTTGCTCTCCTCCTTCTTGTTTC
GTGACATTCATGTTTGATCGTGTTTCTGCCGGCTACGGCGGCTGGCAGTCCGCTCA
CGCCACCTTCTACGGCGGCGGCGACTCAGCTGGGACCATGGGGGGAGCGTGTGG
GTACGGAAATTTATACAGCCAAGGATTTGGAACCAACACTGCTGCGTTAAGCACG
GCGTTGTTCAACAACGACTGAGTTGCGGTGCGTGTTCGAAATGAGGTGCATGG
ATGACGCGAAATGGTGCCTTCCTCGCACCATTACGGTCACTGCCACCAACTTCTG
CCCGCCAACCCAGCTTTACCCAACAACGCTGGCGGATGGTGCAACCCGCCGCTC
CAGCACTTCGACTTGGCCAACCCGCATTCCTCCAATCGCCCGATACCGGGCGG
GCATTGTTCCCGTCTCATTCCGCAGGGTGCCTTGCTGGAAGAAAGGAGGAATCAG
ATTCACCATCAACGGCCACTCGTACTTCAACCTGGTACTTGTGACCAACGTCGGC
GGCGCCGGTGACGTTTCATGCGGTTGCCGTCAAAGGTTGAAAACCGGATGGCAGT
CACTATCAAGGAACTGGGGTCAAACTGGCAGAGCAACACTTACCTTAACGGTC
AAAGTCTCACTTTCTCGGTCACCACCAGTGACGGCAAACCGTGACAAGCTACAA
CGTGGCGCCTTCTGGTTGGCAGTTTGGACAGACTTTTGAAGGCCGCCAATTTTAG

Nucleotide

>LusEXPA-37

ATGGCGGCTCATTCTCATTCTCCTTCGATCCTTTTGCTCTCCTCCTTCTTGTTTC
GTGACATTCATGTTTGATCGTGTTTCTGCCGGCTACGGCGGCTGGCAGTCCGCTCA
CGCCACCTTCTACGGCGGCGGCGACTCAGCTGGGACCATGGGTAAGCGCCGTTAC
CTATCCTCAGTCCTCACTGACTGTCAATTTCCATGCATAATGCTAAACCATCATAG
CAAATAAATAATTAAGTGACCGTTCTGTGAAATATAATGTAGTTAAGTGAGCAAT
TTGTCAAGTTTTCTATAAATATTGTTACACCAGGTTTCGACCTCTTAATCAACCGGT

TCAATAGTAATATGCTCACGAGACAAAATAACAAGTTATGGGTTTAATTAATGTG
AACCAATTTAACCTATGGATTGCTCGGTCTGGTCCGGTCTTAGCTTCAATTTACAG
TAGCTCTAGTGTATATTTTGGGACTCAATTTATTCTTATGCACAAAATTGGCTACC
TTTTGATCATTTTGTAAATTTCTTTCAATTAGGGGGAGCGTGTGGGTACGGAAATT
TATACAGCCAAGGATTTGGAACCAACACTGCTGCGTTAAGCACGGCGTTGTTCAA
CAACGGACTGAGTTGCGGTGCGTGTTCGAAATGAGGTGCATGGATGACGCGAA
ATGGTGCCTTCCTCGCACCATTACGGTCACTGCCACCAACTTCTGCCCGCCCAACC
CAGCTTTACCCAACAACGCTGGCGGATGGTGCAACCCGCCGCTCCAGCACTTCGA
CTTGGCCCAACCCGCATTCCTCCAAATCGCCCGATACCGGGCGGGCATTGTTCCC
GTCTCATTCCGCAGGTAATTA TAGTAAAGTCGTGTGTAATGCGACCACAAGGTC
TAACCTGTTACATTTTCGGTTAACTGCATTAACATTTTCCGGTTGAACCAAAATTGA
CACTTGTAATGTTTTTCGTTTGGGTATGTAGGGTGCCTTGCTGGAAGAAAGGAGGA
ATCAGATTCACCATCAACGGCCACTCGTACTTCAACCTGGTACTTGTGACCAACG
TCGGCGGC GCCGGTGACGTT CATGCGGTTGCCGTCAAAGGTTTCGAAAACCGGATG
GCAGTCACTATCAAGGAACTGGGGTCAA AACTGGCAGAGCAACACTTACCTTAA
CGGTCAAAGTCTCACTTTCTCGGTCACCACCAGTGACGGCAAACCGTGACAAGC
TACAACGTGGCGCCTTCTGGTTGGCAGTTTGGACAGACTTTTGAAGGCCGCCAAT
TTTAG