

IDENTIFICATION

Species: *Linum usitatissimum*

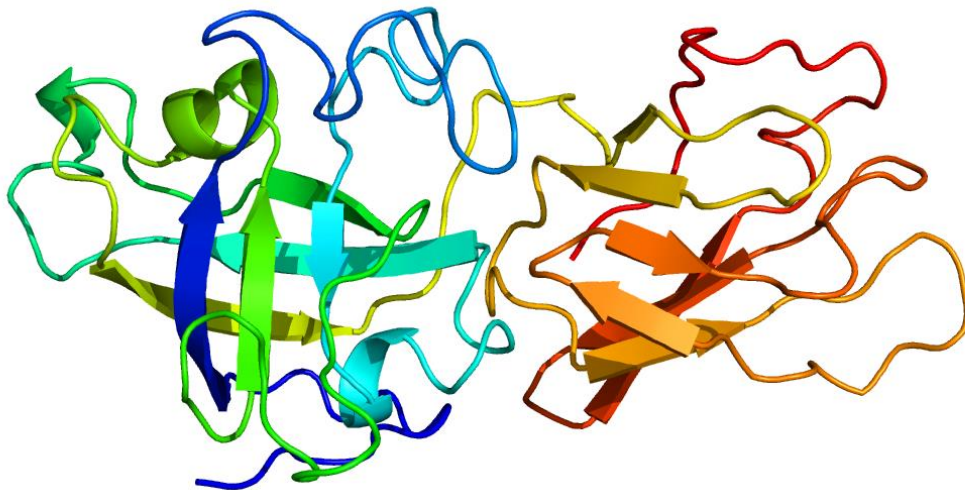
Locus: Lus10012747

Gene Model: Lus10012747

Description: LusEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

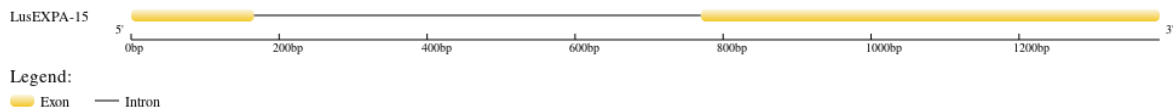
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

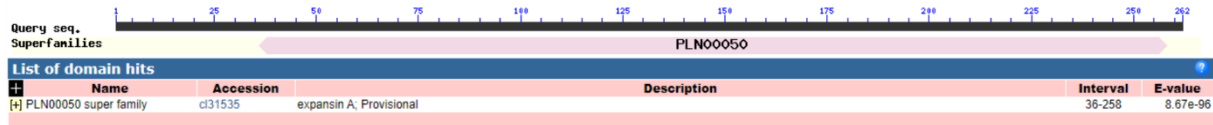
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-15

MARFVYAALLCLIVLVGNSSADVFFGSRLARQDDWSSWLYGHATFYGDQYGGETM
QGACGYGDLFQQGYGLQTAALSTALFNGLTCGACYELKCINEPNWKWCYPGNMPI
QITATNFCPPNPSGGWCNPPAKHFDLAMPMLKMAPYKAGIVPVQYRRVRCQKRGG
IKFEIRGNPYFNLVLVYNVGGAGDVKNLRVRGSRSGGWISMQRNWGQNWQTSTVL
VGQTLFQVVTSDGAYKVFPNVVPSNWEFGQTFQGRANF*

CDS (coding sequence)

>LusEXPA-15

ATGGCTCGTTTCGTCTACGCCGCTCTTCTGTGTCTCATCGTTTTGGTCGGGAATTC
ATCGGCCGATGTGTTTTTCGGCAGTAGACTAGCCCGACAGGATGATTGGTCCTCC
TGGCTCTATGGCCATGCAACCTTCTACGGCGACCAGTACGGCGGTGAAACCATGC
AAGGAGCATGCGGCTATGGGGACCTATTCAGCAAGGATACGGACTGCAAACAG
CAGCGCTCAGCACCGCACTCTTCAACAACGGCTTAACATGCGGGGCATGCTACGA
GCTCAAATGCATCAACGAACCCAACCTGGAAATGGTGCTACCCGGGTAACAACCC
GATCCAAATCACCGCCACAACTTCTGCCCGCCAAACCCGAGCGGCGGCTGGTGC
AACCCGCCGGCGAAGCACTTCGACCTTGCAATGCCCATGTTCTCAAGATGGCCC
CTTACAAGGCCGGGATCGTACCGGTACAGTACCGGAGAGTCCGGTGCCAGAAGC
GCGGCGGAATCAAGTTCGAGATCAGAGGGAACCCTTACTTCAACTTGGTCCTCGT
GTACAACGTGGGCGGGCCGGTGACGTTAAGAACTTGAGGGTCCGAGGGTCCAG
GAGCGGCGGGTGGATTAGCATGCAGAGGAACTGGGGACAGAACTGGCAGACGA
GTAAGTTTGGTTCGGACAAACACTGTCGTTTCAGGTGGTTACTAGTGATGGAGC
TTACAAGGTGTTCCCTAACGTTGTTCCGTTCGAACTGGGAGTTTGGTCAGACTTTTC
AAGGCAGGGCCAACCTTTAG

Nucleotide

>LusEXPA-15

ATGGCTCGTTTCGTCTACGCCGCTCTTCTGTGTCTCATCGTTTTGGTCGGGAATTC
ATCGGCCGATGTGTTTTTCGGCAGTAGACTAGCCCGACAGGATGATTGGTCCTCC
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GTAAGTTCGACTTAATGTTTGTATTAGTATAGCTCTGATAATATATTTAATCATAGA
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CCGCTATGACAATTGATTATTTTTGTATTAAATTGATGTAAACAGAAGGAGCATG
CGGCTATGGGGACCTATTTTCAGCAAGGATACGGACTGCAAACAGCAGCGCTCAG
CACCGCACTCTTCAACAACGGCTTAACATGCGGGGCATGCTACGAGCTCAAATGC
ATCAACGAACCCAACTGGAAATGGTGCTACCCGGGTAAACAACCCGATCCAAATC
ACCGCCACAACTTCTGCCC GCCAAACCCGAGCGGGCGGCTGGTGCAACCCGCCG
GCGAAGCACTTCGACCTTGCAATGCCCATGTTCCCTCAAGATGGCCCCTTACAAGG
CCGGGATCGTACCGGTACAGTACCGGAGAGTCCGGTGCCAGAAGCGCGGGCGGAA
TCAAGTTCGAGATCAGAGGGAACCCTTACTTCAACTTGGTCCTCGTGTACAACGT
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TTCCCTAACGTTGTTCCGTCGAACTGGGAGTTTGGTCAGACTTTTCAAGGCAGGG
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