

IDENTIFICATION

Species: *Linum usitatissimum*

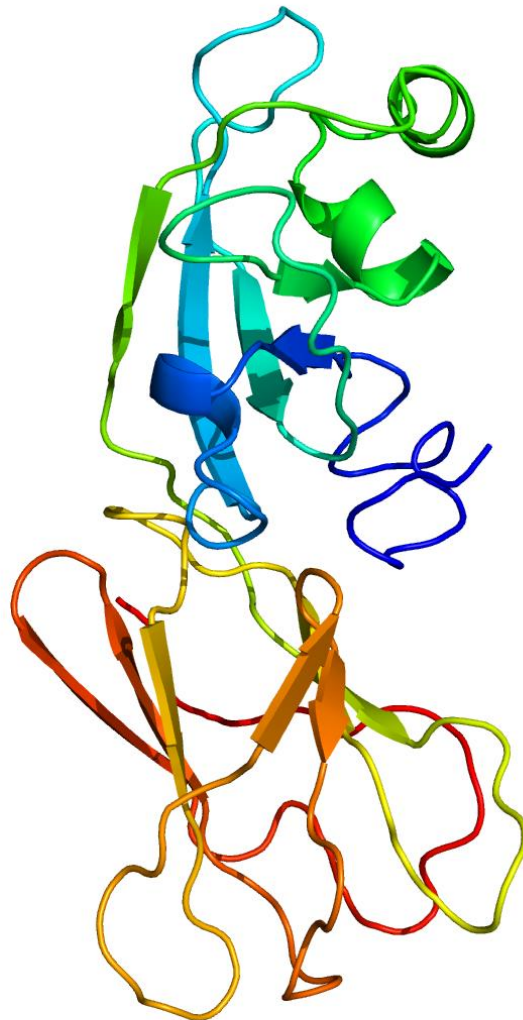
Locus: Lus10034465

Gene Model: Lus10034465

Description: LusEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

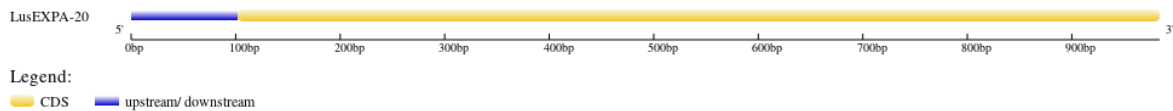
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

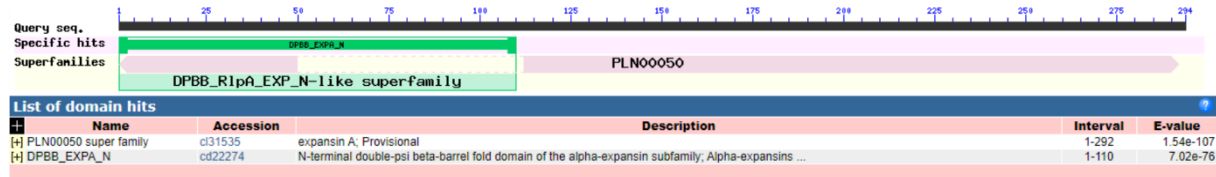
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-20

MGGACGYGNLYSQGYGTNTAALSTAMFNNGQSCGACFELRCVNDQRWCKQSASV
MVTATNFCPPNNALPNNAGGWCNPPLHHFDLAQPVFQQIAEYKAGIVPVSYRRVAC
QKRGGIRFTINGHSYFNLVLITNVGGAGDMVTATNFCPPNNALPNNAGGWCNPPLHH
FDLAQPVFQIAQYKAGIVPVSYRRVACQKRGGIRFTINGHSYFNLVLITNVGGAGDV
VSASIKGSRGDWQPMSRNWQNWQSNFLNGQSLSFQITTS DGR TIVSNDVAPAGW
SFGQTYTGVQFP*

CDS (coding sequence)

>LusEXPA-20

ATGGGAGGCGCGTGTGGGTACGGGA ACTTATACAGCCAAGGCTACGGCACAAAC
ACGGCGGCACTGAGCACAGCGATGTTCAACAACGGCCAGAGCTGCGGCGCCTGC
TTCGAGCTCAGGTGTGTCAACGACCAGAGGTGGTGCAAACAATCCGCGTCGGTGA
TGGTACC GCCACAAACTTCTGCCCGCCGAACAACGCGCTTCCAAACAACGCAGG
AGGGTGGTGCAACCCACCGCTCCACCATTTGACCTCGCCAGCCAGTCTTCCAG
CAGATTGCTGAGTACAAGGCTGGAATCGTCCCCGTCTCCTACCGGAGGGTAGCGT
GTCAGAAGAGAGGAGGAATCAGGTTCACGATCAACGGACACAGCTACTTCAACT
TGGTGTGATAACAAACGTCGGCGGAGCAGGGGATATGGTACC GCCACAAACT
TCTGCCCGCCGAACAACGCCCTTCCGAACAACGCCGGAGGGTGGTGCAACCCACC
GCTCCATCATTTGACCTCGCGCAGCCAGTCTTCGAGCAGATTGCTCAGTACAAG
GCCGGAATCGTCCCCGTCTCCTACCGGAGGGTGGCGTGTCAGAAGAGAGGAGGG
ATCAGGTTTACTATCAACGGCCACAGCTACTTCAACTTGGTGCTGATAACCAACG
TCGGAGGAGCAGGGGATGTGGTGTCCGCTTCCATCAAAGTTCCAGAGGAGACT
GGCAGCCGATGTTCGAGGA ACTGGGGGCAGAATTGGCAGAGCAATTCTTTCTTGA
ACGGACAGAGTCTTTCGTTTCAGATCACC ACTAGTGACGGCCGTACAATTGTGTC
TAACGATGTTGCTCCGGCTGGGTGGTCTTTCGGCCAGACTTACACGGGCGTCCAA
TTCCCCTGA

Nucleotide

>LusEXPA-20

ATGGGTACGCATGCATACATACATCCACACATTCTCCAATTCATCACTCTGTTTTT
CTTCTTTTGATTTACAAAATAATTATATTAATAACAATTATATAATAGGAGGCG
CGTGTGGGTACGGGAATTATACAGCCAAGGCTACGGCACAAACACGGCGGCAC
TGAGCACAGCGATGTTCAACAACGGCCAGAGCTGCGGCGCCTGCTTCGAGCTCAG
GTGTGTCAACGACCAGAGGTGGTGCAAACAATCCGCGTCGGTGATGGTCACCGCC
ACAACTTCTGCCC GCCGAACAACGCGCTTCCAAACAACGCAGGAGGGTGGTGC
AACCCACCGCTCCACCATTTTCGACCTCGCCCAGCCAGTCTTCCAGCAGATTGCTG
AGTACAAGGCTGGAATCGTCCCCGTCTCCTACCGGAGGGTAGCGTGTCAGAAGA
GAGGAGGAATCAGGTTACGATCAACGGACACAGCTACTTCAACTTGGTGTTGAT
AACAAACGTCGGCGGAGCAGGGGATATGGTCACCGCCACAACTTCTGCCC GCC
GAACAACGCCCTTCCGAACAACGCCGGAGGGTGGTGCAACCCACCGCTCCATCAT
TTCGACCTCGCGCAGCCAGTCTTCGAGCAGATTGCTCAGTACAAGGCCGGAATCG
TCCCCGTCTCCTACCGGAGGGTGGCGTGTCAGAAGAGAGGAGGGATCAGGTTTAC
TATCAACGGCCACAGCTACTTCAACTTGGTGCTGATAACCAACGTCGGAGGAGCA
GGGGATGTGGTGTCGGCTTCCATCAAAGGTTCCAGAGGAGACTGGCAGCCGATGT
CGAGGAACTGGGGGCAGAATTGGCAGAGCAATTCTTTCTTGAACGGACAGAGTC
TTTCGTTTCAGATCACCACTAGTGACGGCCGTACAATTGTGTCTAACGATGTTGCT
CCGGCTGGGTGGTCTTTCGGCCAGACTTACACGGGCGTCCAATTCCCCTGA