

IDENTIFICATION

Species: *Linum usitatissimum*

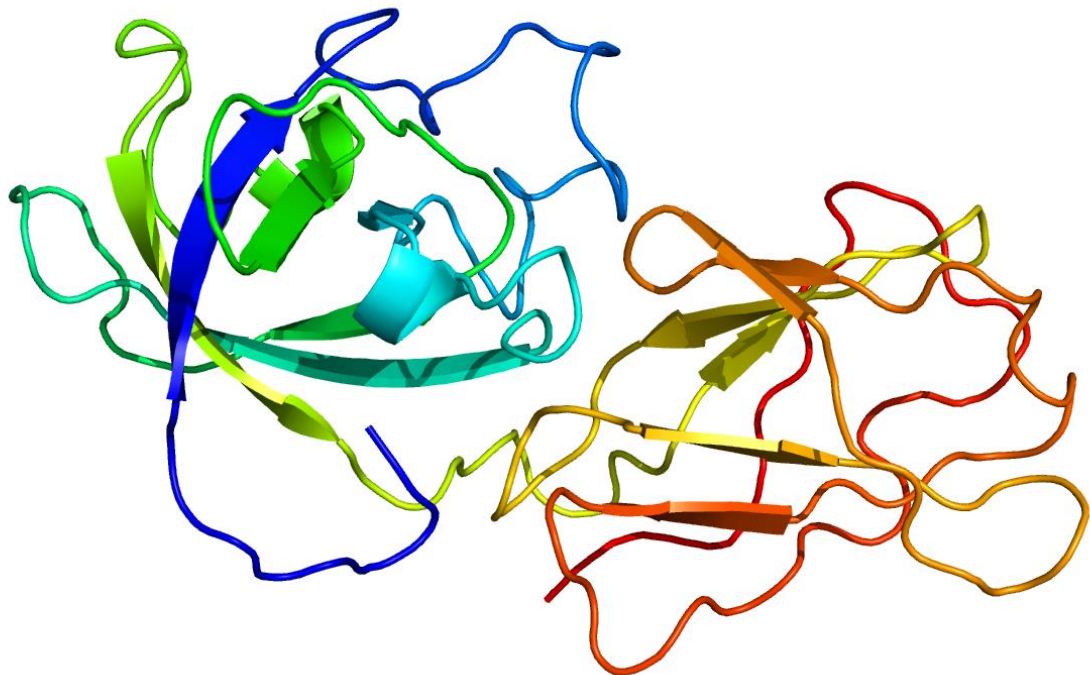
Locus: Lus10006711

Gene Model: Lus10006711

Description: LusEXPA-39

Family: Alpha Expansin

3D structure:



GENOME DATABASES

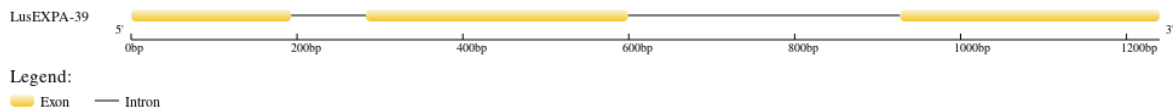
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

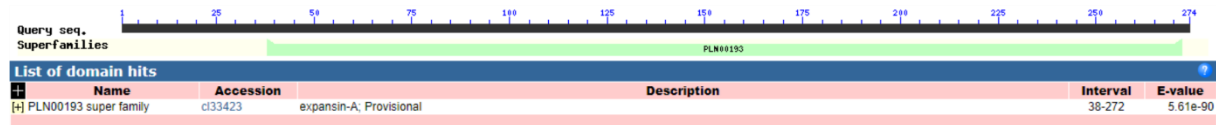
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-39

MASTTISFYFMVVIVAAAGLVFVEPVGAAGYGTIATRHVPVFRPSRWSLAHATFYGD
ETASATMGGACGYGNLFQNGYGTDTAALSTTLFNNGYSCGACYQIKCAYSPhCYSN
VAFTIVTATNICPPNWSQDSNNGGWGNPPRSHFDMSKPAFMKIADWKAGIIPIMFRR
VPCVTKGGIRFQFQNGYWLLVYVMNVGGGGDIAQMWVKGSKTSWISMSHNWGA
SYQAFSSLGGQSLSFKVQSYSTKEIYYAWNVApsnwnvGLTYKSNVNFH*

CDS (coding sequence)

>LusEXPA-39

ATGGCTTCCA CTACAATTAGTTTCTACTTCATGGTAGTAATAGTGGCTGCAGCTGG
TTTAGTTTTTGTAGAACCAGTAGGAGCAGCTGGCTATGGAACCATAGCCACCCGT
CATGTCCCCGTCTTCCGGCCTAGCCGGTGGTCCCTAGCCCACGCTACGTTCTATGG
CGACGAGACTGCCTCCGCGACAATGGGGGGAGCTTGTGGGTACGGAACTTGTTCC
CAAAACGGGTACGGGACAGACACCGCAGCGCTTAGCACGACATTGTTCAACAAT
GGTACTCGTGCGGGGCGTGTTACCAGATCAAATGTGCGTACTCCCCGCATTGTT
ACTCGAATGTGGCCTTACGATCGTGACCGCCACGAACATTTGCCCTCCGAACTG
GTCGCAGGACTCCAACAACGGCGGGTGGGGCAACCCTCCTAGGTCCC ACTTCGAC
ATGTCCAAGCCCGCTTTCATGAAGATCGCGGACTGGAAGGCAGGGATCATCCCAA
TCATGTTCCGCAGGGTGCCATGCGTGACGAAAGGCGGGATTTCGATTCCAATTCCA
AGGGAATGGGTATTGGTTGTTGGTGTATGTGATGAATGTTGGGGGAGGAGGAGA
CATTGCTCAAATGTGGGTGAAAGGAAGCAAGACAAGTTGGATAAGCATGAGCCA
TAACTGGGGAGCTTCATAACCAAGCATTTC AAGCTTGGGTGGCCAATCACTCTCTT
TCAAAGTCCAATCCTACTCCACTAAGGAGATCATCTATGCTTGGAAATGTTGCACC
TTCTAACTGGAATGTGGGGTTGACTTACAAGTCAAATGTCAACTTCCACTAA

Nucleotide

>LusEXPA-39

ATGGCTTCCA CTACAATTAGTTTCTACTTCATGGTAGTAATAGTGGCTGCAGCTGG
TTTAGTTTTTGTAGAACCAGTAGGAGCAGCTGGCTATGGAACCATAGCCACCCGT
CATGTCCCCGTCTTCCGGCCTAGCCGGTGGTCCCTAGCCCACGCTACGTTCTATGG
CGACGAGACTGCCTCCGCGACAATGGGTAATGAAATGTTTATTTATCGTTACCAC
CGGTTAAGTCAA ACTCGTTGGGATTATGTTGGTAACTCGATGTTTATTTTATTTA

TGAAGGGGGAGCTTGTGGGTACGGAACTTGTTCCAAAACGGGTACGGGACAGA
CACCGCAGCGCTTAGCACGACATTGTTCAACAATGGGTACTCGTGCGGGGCGTGT
TACCAGATCAAATGTGCGTACTCCCCGATTGTTACTCGAATGTGGCCTTCACGAT
CGTGACCGCCACGAACATTTGCCCTCCGAACTGGTTCGCAGGACTCCAACAACGGC
GGGTGGGGCAACCCTCCTAGGTCCCACCTTCGACATGTCCAAGCCCGCTTTCATGA
AGATCGCGGACTGGAAGGCAGGGATCATCCCAATCATGTTCCGCAGGTATGACTC
TCAATACTCAACATATTCAATGATCACAGTCAGTACAAGAACTGCTTACCTAAC
AACGACAGAAATAAAGCCTAACAAACGGATACGATCGTTGTTAGGAATGTTTAAAC
CGCGGCTACTAAACTGCTGTTAGGACGCCAGTTTAAACAACAGCCAGTGTAGCCG
CTGTTAGAAGCCCGCGGTTAGGAATTTCTAACAGCATGGCATGTAGCCGCTGTTA
AATAAGTGATGTTAGGACTACCATTTTGGAGTGAGTCCTTCTTTATATAACGGAT
ATCATCAACAACCTGATCTGACAAAAACGTATTTATTTACGATAGGGTGCCATGC
GTGACGAAAGGCGGGATTTCGATTCCAATTCCAAGGGAATGGGTATTGGTTGTTGG
TGTATGTGATGAATGTTGGGGGAGGAGGAGACATTGCTCAAATGTGGGTGAAAG
GAAGCAAGACAAGTTGGATAAGCATGAGCCATAACTGGGGAGCTTCATACCAAG
CATTTTCAAGCTTGGGTGGCCAATCACTCTCTTTCAAAGTCCAATCCTACTCCACT
AAGGAGATCATCTATGCTTGAATGTTGCACCTTCTAACTGGAATGTGGGGTTGA
CTTACAAGTCAAATGTCAACTTCCACTAA