

IDENTIFICATION

Species: *Linum usitatissimum*

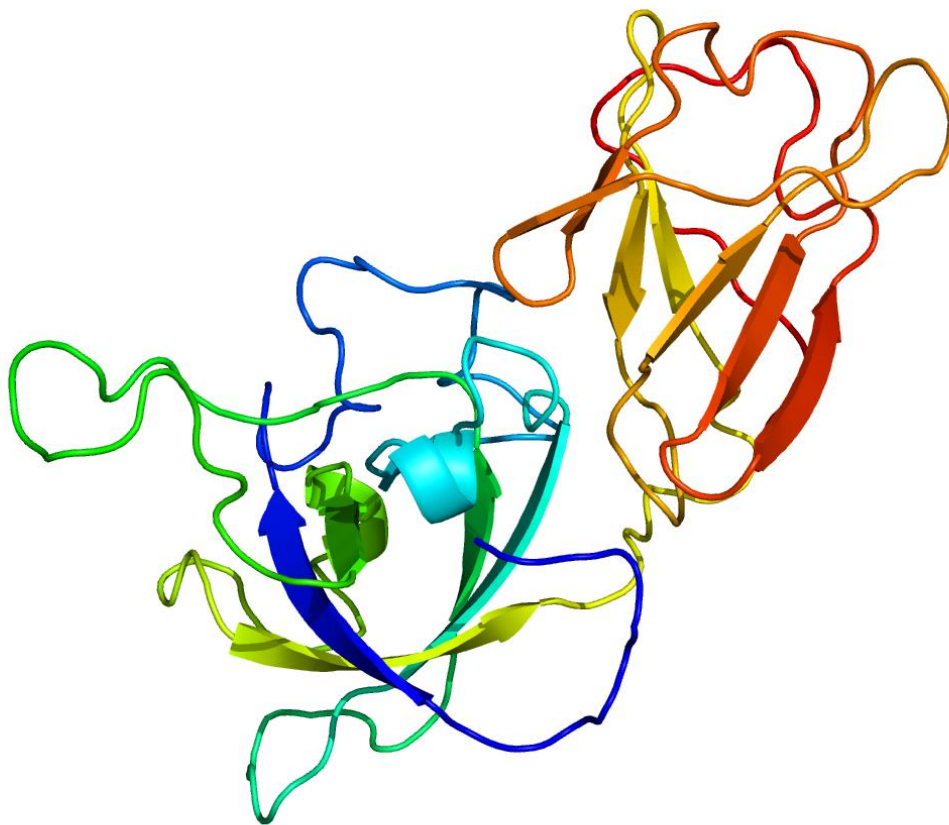
Locus: Lus10042214

Gene Model: Lus10042214

Description: LusEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

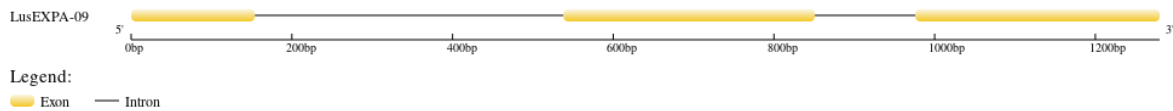
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

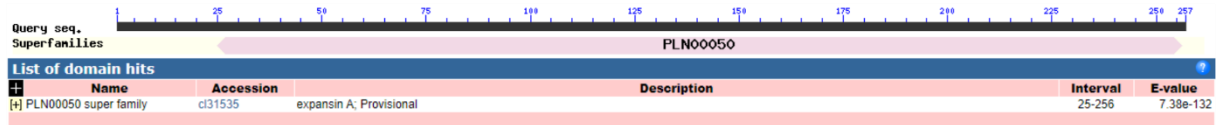
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-09

MAAHFSFPHWILFFSSLFVAFMFDRASAGYGGGWQSAHATFYGGGDSAGTMGGAC
GYGNLYSQGFGTNTAALSTALFNGLSCGACFEMRCADDAKWCLPRTITVTATNFC
PPNPALPNNAGGWCNPPPLQHFDLAQPAFLQIARYRAGIVPVSFRRVPCWKKGGIRFTI
NGHTYFNLVLTNVGGAGDVHAVSVKGSKTGWQSLSRNWGQNWQSNIYLNQSLT
FSVTNSDGKTVTSYNVAPSGWQFGQTFEGRQF*

CDS (coding sequence)

>LusEXPA-09

ATGGCGGCTCATTTCTCATTCCCTCATTGGATCCTTTTCTTCTCCTCCTTGTTTCGTG
GCATTCATGTTTGATCGTGCTTCTGCCGGCTACGGCGGCGGCTGGCAGTCCGCTC
ACGCTACTTTCTACGGCGGCGGCGACTCAGCTGGGACAATGGGGGGAGCGTGCG
GATACGGAAATCTGTACAGTCAAGGTTTCGGGACCAACACCGCTGCGTTGAGCAC
GGCACTGTTCAACAACGACTGAGTTGCGGGGCGTGTTTCGAGATGAGGTGTGCG
GACGACGCCAAATGGTGCCTTCTCCTCGTACTATTACGGTCACTGCCACCAACTTCT
GCCCCGCCAACCAGCCTTACCAAACAACGCTGGCGGATGGTGCAACCCGCCGCT
CCAACACTTCGACTTGCCCCAACC CGCATTCTCCAAATCGCCCGATACCGGGCA
GGCATTGTTCCCGTCTCATTCCGCAGGGTGCCTTGCTGGAAGAAAGGAGGAATCA
GATTTACCATCAACGGCCACACGTACTTCAACCTGGTACTGGTGACCAACGTTGG
CGGCGCCGGTGACGTTTCATGCGGTTTCCGTCAAAGGTTTCGAAAACCGGGTGGCAG
TCACTATCAAGGAAGTGGGGTCAAACACTGGCAGAGCAACATTTATCTTAACGGTC
AAAGTCTCACTTTCTCGGTCACCAACAGTGACGGCAAGACTGTGACAAGCTACAA
CGTGGCGCCTTCTGGTTGGCAGTTTGGACAGACTTTTGAAGGCCGCCAATTTTAG

Nucleotide

>LusEXPA-09

ATGGCGGCTCATTTCTCATTCCCTCATTGGATCCTTTTCTTCTCCTCCTTGTTTCGTG
GCATTCATGTTTGATCGTGCTTCTGCCGGCTACGGCGGCGGCTGGCAGTCCGCTC
ACGCTACTTTCTACGGCGGCGGCGACTCAGCTGGGACAATGGGTAAGCGCCGTTA
CCTATCCTCGGTCCTCACTGACTGCCAATTTCCATGCATATATAATATGCTAAACC
ATCATAGAAAAATATAATTAAGTGACCATTCTGCGAAATATAATGTAGTTAAATG
AGCAATTTGTCAACTTTTCTATAAATATTGTTACACCCGGTTCGACCGCTTAATCA

ACCGGTTCAATAGTAATCTGTTTCATGAGACGAATAACCGGCGATGGGTTTACTTA
ATGTGAACCTATTTAACCTGCTCGGTCTGGTCCGGTCCGGTCTTAGCTTCAATTTA
CAGTAGCTACACTAGTGTATAATTCAAGACTCAATTTATTCTTATGCAAAATTTGG
CTACCTTTTGGATCTTTTTGTAATTTTCTTTTCGATTAGGGGGAGCGTGCGGATACGG
AAATCTGTACAGTCAAGGTTTCGGGACCAACACCGCTGCGTTGAGCACGGCACTG
TTCAACAACGGACTGAGTTGCGGGGCGTGTTCGAGATGAGGTGTGCGGACGAC
GCCAAATGGTGCCTTCCTCGTACTATTACGGTCACTGCCACCAACTTCTGCCCGCC
CAACCCAGCCTTACCAAACAACGCTGGCGGATGGTGCAACCCGCCGCTCCAACAC
TTCGACTTGGCCCAACCCGCATTTCCTCCAAATCGCCCGATACCGGGCAGGCATTG
TTCCCGTCTCATTCCGCAGGTAATTACTATTACATTCGTATCGTACGTAAAAGGGT
TAATACCACCACACGGTCTAACCTGTTACATTTCTGGTTGAACCAAAATCAACAC
TCATAGTGATGTTTTCGTTTTGGGTATATTGTAGGGTGCCTTGCTGGAAGAAAGGA
GGAATCAGATTTACCATCAACGGCCACACGTACTTCAACCTGGTACTGGTGACCA
ACGTTGGCGGGCGCCGGTGACGTTTCATGCGGTTTCCGTCAAAGGTTTCGAAAACCGG
GTGGCAGTCACTATCAAGGAACTGGGGTCAAACCTGGCAGAGCAACATTTATCTT
AACGGTCAAAGTCTCACTTTCTCGGTACCAACAGTGACGGCAAGACTGTGACAA
GCTACAACGTGGCGCCTTCTGGTTGGCAGTTTGGACAGACTTTTGAAGGCCGCCA
ATTTTAG