

IDENTIFICATION

Species: *Linum usitatissimum*

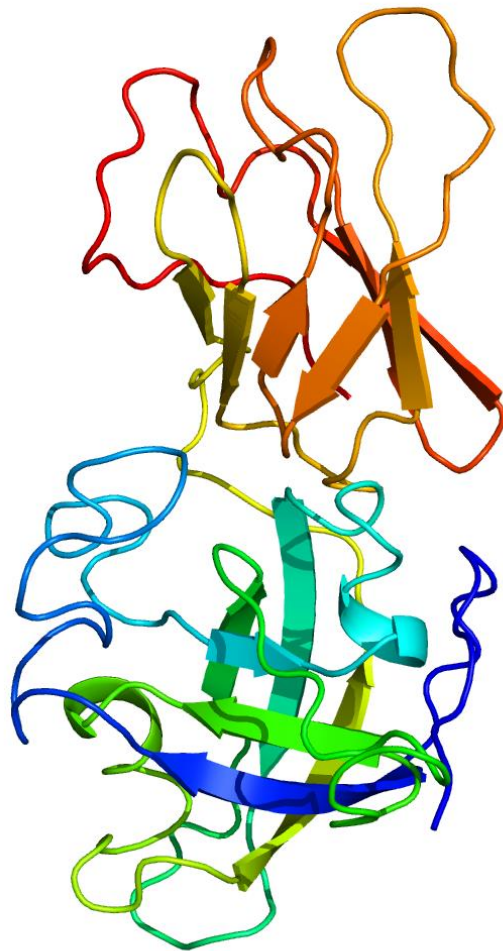
Locus: Lus10033011

Gene Model: Lus10033011

Description: LusEXPA-05

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>

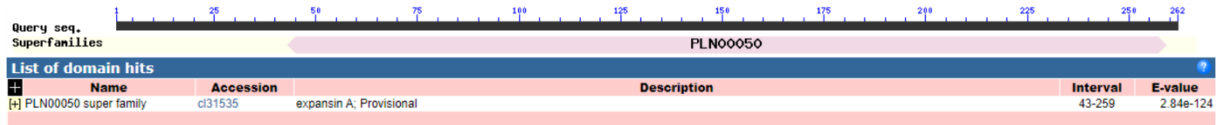
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-05

MAADNHHLCLLEAVVILVCLEVVVVASAYGRYHHGGGGRGGPWINAHATFYGGGD
ASGTMGGACGYGNLYSQGYGVNTAALSTALFNGLSCGSCYQIMCANDPQWCIRGS
SIFVTATNFCPPGGWCDPPNHHFDLSQPIFQRIAQYKAGVVPVLYRRVRCMRRGGIRF
TINGHSYFNLVLITNVGGAGDVHSVAIKGSRSSGWQPMSRNWQNWQSN SYLNGQS
LSFLVTTGDGRSLVSYNIAPSSWSFGQTYTGRQFRY*

CDS (coding sequence)

>LusEXPA-05

ATGGCAGCAGATAATCACCACCTTGTGTCTCCTCGAAGCTGTCGTCATTCTTGTTTG
TTTGAAGTTGTTGTTGTAGCATCAGCTTATGGGCGGTACCACCATGGAGGAGGA
GGAAGAGGCGGTCTTGGATCAACGCCCATGCCACTTTCTACGGCGGCGGTGATG
CCTCTGGCACAATGGGTGGAGCGTGCGGATATGGGAACTTGTACAGTCAAGGGT
ACGGAGTAAACACGGCGGCACTAAGCACAGCATTGTTTAAACAACGGGCTAAGCT
GCGGATCTTGCTACCAGATAATGTGTGCGAATGACCCACAGTGGTGCATCCGTGG
CTCATCAATCTTTGTCACCGCCACTA ACTTCTGCCACCTGGAGGATGGTGTGACC
CTCCAAATCACCACCTTCGATCTCTCACAGCCCATCTTCCAGCGCATTGCCCAGTAC
AAGGCTGGCGTTGTCCCTGTCTCTACCGAAGGGTGAGGTGCATGAGAAGAGGG
GGGATAAGGTTTACAATAAACGGCCATTTCGTAATTTCAACTTGGTGCTGATAACCA
ACGTGGGAGGAGCTGGGGACGTCCATTCGGTGGCGATAAAAGGTTCAAGGAGTA
GTGGATGGCAGCCAATGTCAAGGAATTGGGGACAGAACTGGCAGAGCAATTCT
ATCTCAACGGACAATCACTCTCTTTCTTAGTA ACTACTGGTGATGGTCGATCTCTA
GTTTCCTACAACATTGCTCCTTCATCTTGGTCCTTCGGCCAGACTTATACCGGTAG
GCAGTTCAGGTACTGA

Nucleotide

>LusEXPA-05

ATGGCAGCAGATAATCACCACCTTGTGTCTCCTCGAAGCTGTCGTCATTCTTGTTTG
TTTGAAGTTGTTGTTGTAGCATCAGCTTATGGGCGGTACCACCATGGAGGAGGA
GGAAGAGGCGGTCTTGGATCAACGCCCATGCCACTTTCTACGGCGGCGGTGATG
CCTCTGGCACAATGGGTAAGCATAAGTATATATATACATATATGTTCAATAATT
ATACATATGCAATGGGTAATTAAGCAGCTAATTATATGTACATATGAAATGAAAT

AGGTGGAGCGTGCGGATATGGGAACTTGTACAGTCAAGGGTACGGAGTAAACAC
GGCGGCACTAAGCACAGCATTGTTTAAACAACGGGCTAAGCTGCGGATCTTGCTAC
CAGATAATGTGTGCGAATGACCCACAGTGGTGCATCCGTGGCTCATCAATCTTTG
TCACCGCCACTAACTTCTGCCCACCTGGAGGATGGTGTGACCCTCCAAATCACCA
CTTCGATCTCTCACAGCCCATCTTCCAGCGCATTGCCAGTACAAGGCTGGCGTTG
TCCCTGTCCTCTACCGAAGGTACGTACCTAATTAATTCACCAATAATTCAATCTTT
GGTTAATAAATATAATCATAATTAATTAATTCAGTCGGTGGCGCGTGTGATATGT
ATATTACAAGGGTGAGGTGCATGAGAAGAGGGGGGATAAGGTTTACAATAAACG
GCCATTCGTATTTCAACTTGGTGCTGATAACCAACGTGGGAGGAGCTGGGGACGT
CCATTCGGTGGCGATAAAAAGGTTCAAGGAGTAGTGGATGGCAGCCAATGTCAAG
GAATTGGGGACAGAACTGGCAGAGCAATTCCTATCTCAACGGACAATCACTCTCT
TTCTTAGTAACTACTGGTGATGGTCGATCTCTAGTTTCCTACAACATTGCTCCTTC
ATCTTGGTCCTTCGGCCAGACTTATACCGGTAGGCAGTTCAGGTA