

IDENTIFICATION

Species: *Linum usitatissimum*

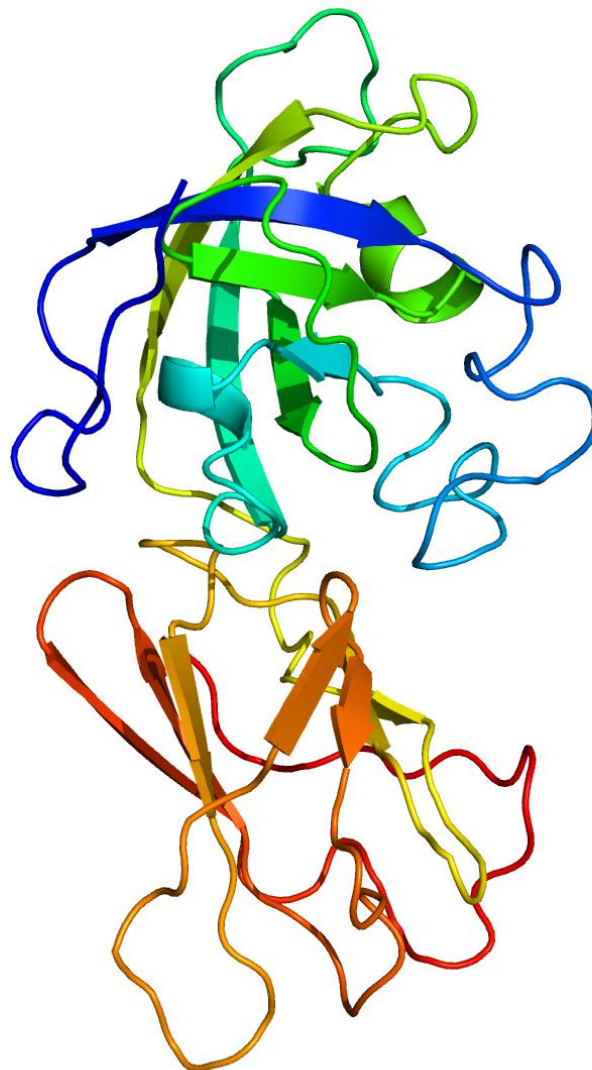
Locus: Lus10000304

Gene Model: Lus10000304

Description: LusEXPA-40

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>

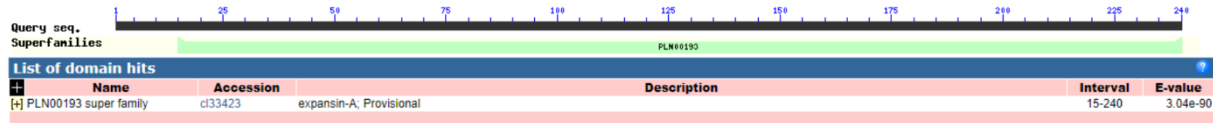
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-40

MGSKLDTIIPNDDWSTWQDAHATFYGDMSGRETMQGACGYGDLFKQGYGLQTAAL
STALFNNGYACGGCYEIKCINDPDWKFVPIQITATNFCPPNPAGGACNVPK
HFDLSMPMFLKMAPYKAGIVHVLYRRIRCQKQGGVKFQITGNPNFNLVLVYNVGGV
GDVKNVRVKGSNTGGWVQMKNWGQNWQSNVVLRGQMLSFQVVTSDGAYKVFN
NVVPGNWQFGQTFDGKINF*

CDS (coding sequence)

>LusEXPA-40

ATGGGTAGCAAGTTAGACACGATTATTCCGAACGACGATTGGTCCACGTGGCAAG
ATGCTCATGCAACGTTCTACGGCGATATGTCCGGCAGAGAAACCATGCAGGGAG
CATGCGGGTACGGCGACCTATTCAAGCAAGGATACGGACTGCAAACAGCAGCAC
TTAGCACCGCACTATTCAACAACGGCTACGCCTGCGGCGGATGCTACGAGATCAA
ATGCATCAACGATCCCGACTGGAAATTCTGCTACCCGGGAGTTGCCCAATCCAA
ATCACGGCAACCAACTTCTGTCCACCAACCCCGCCGGTGGCGCGTGCAATGTAC
CGGCGAAACACTTCGACCTCTCGATGCCATGTTCTCAAGATGGCTCCGTACAA
GGCGGGGATCGTGCACGTCTGTACCGTCAATTCGGTGCCAGAAGCAAGGCGG
CGTGAAGTTCCAGATCACCGGAACCCCAACTTCAACTTGGTGTCTGTTACAAC
GTCGGGGGCGTCCGGCGATGTGAAGAACGTGAGGGTTAAAGGGTCCAATACCGGC
GGGTGGGTCCAGATGCAGAAGAATTGGGGACAGAACTGGCAGAGTAATGTCGTT
TTGCGTGGTCCAGATGTTGTCGTTTCAGGTGGTACTAGTGATGGTGCTTATAAGGT
GTTTAATAATGTTGTTTCTGGGAATTGGCAGTTTGGGCAGACTTTTGATGGCAAG
ATCAACTTCTAA

Nucleotide

>LusEXPA-40

ATGGGTAGCAAGTTAGACACGATTATTCCGAACGACGATTGGTCCACGTGGCAAG
ATGCTCATGCAACGTTCTACGGCGATATGTCCGGCAGAGAAACCATGCCTAAGTC
TCCGTCGATTCCTTCGTTTGTGAAAATTGCACAACCTCGGTTACTTAACAATCAA
TAAGAGATAAAATAATTTAACTCGTGCCAAACAGGTTGTAGCACTTAACTTTGTG
CTGAAAGATTTTGGGTTTCAAATCTGAAAATAATTCGCAATTATTTTACCCTCCT
GTGATGACGTCATCAATTTACATAGGCTGATGAAAATCCCAAATTTATCTGAT

TGCAGCATCATTAATGTGGTGTATGTGGAAAGAATTTTTTGTATATAAAAAAAG
CAAATTAAACTTGTGGTTGGTGTATATAACGAGATTGCTGGCACTTCAAAACAA
TCAAATAAGATATATTACTTAAGGTGTCAATTTTAATGTTTTTATTTATATTTTAT
TATAGATTTCACTTAGACCAAATCCCAACTCCGCCTATATCTTAACAAAATTGAT
GATTCATGTTAAACAGAGGGAGCATGCGGGTACGGCGACCTATTCAAGCAAGGA
TACGGACTGCAAACAGCAGCACTTAGCACCGCACTATTCAACAACGGCTACGCCT
GCGGCGGATGCTACGAGATCAAATGCATCAACGATCCCGACTGGAAATTCTGCTA
CCCGGGAGTTGCCCAATCCAAATCACGGCAACCAACTTCTGTCCACCAAACCCC
GCCGGTGGCGCGTGCAATGTACCGGCGAAACACTTCGACCTCTCGATGCCCATGT
TCCTCAAGATGGCTCCGTACAAGGCGGGGATCGTGCACGTCCTGTACCGTCGAAT
TCGGTGCCAGAAGCAAGGCGGCGTGAAGTTCCAGATCACCGGGAACCCCAACTT
CAACTTGGTGCTCGTTTACAACGTCGGGGGCGTTCGGCGATGTGAAGAACGTGAGG
GTTAAAGGGTCCAATACCGGCGGGTGGGTCCAGATGCAGAAGAATTGGGGACAG
AACTGGCAGAGTAATGTCGTTTTGCGTGGTCAGATGTTGTCGTTTCAGGTGGTTAC
TAGTGATGGTGCTTATAAGGTGTTTAATAATGTTGTTCTGGGAATTGGCAGTTTG
GGCAGACTTTTGATGGCAAGATCAACTTCTAA