

IDENTIFICATION

Species: *Linum usitatissimum*

Locus: Lus10009253

Gene Model: Lus10009253

Description: LusEXPA-17

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>

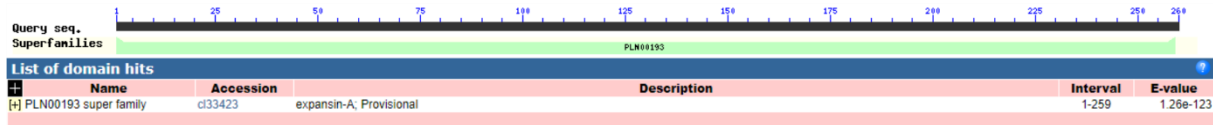
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-17

MASKAFAFSIYVAVGQLLLLLFTNFRPASAAWLRAHATFYGGSDASGTMGGACGYG
NLYTDGYGTNTAALSTALFNDGKSCGGCYQMVCDDGTQVPQWCRRGTYYITVTATNL
CPPNYNLPNDGGWCNPPRPHFDLSQPAFLTIAQYKAGIVPIFYRRVGCRRSGGIRFTI
NGRSYFELVLISNVGGVGEISMVWVRGSRTNKWESMSRNWGSNWQSLTYLTGQTLS
FRLQGSNGQIRTAALNVVPSNWQFGQSFKSNIQF*

CDS (coding sequence)

>LusEXPA-17

ATGGCGTCTAAAGCTTTCGCCTTCAGCATTTATGTGCGCCGTCGGGCAACTGCTGCT
GCTGCTGTTCAAACTTCCGGCCAGCCTCCGCAGCATGGCTCAGAGCCCATGCC
ACTTTCTACGGAGGCAGCGACGCTTCCGGTACTATGGGCGGAGCTTGCGGGTATG
GGAATCTGTACACGGATGGTTACGGGACCAACACTGCGGGCGCTAAGCACCGCAC
TTTTCAACGACGGTAAATCCTGCGGTGGTTGCTATCAAATGGTCTGCGACGGCAC
TCAAGTTCGCGAGTGGTGCCGACGAGGAACTTACATCACCGTCACTGCCACTAAT
CTCTGCCCTCCAACTACAATCTTCCCAATGACGATGGCAGGTGGTGTAAACCCTC
CCCGCCCGCATTTTGACTTGTCTCAACCCGCCTTCCTCACCATTGCTCAATACAAA
GCCGAATCGTCCCATTTTCTACCGGAGGGTGGGTGTAGAAGGAGTGGAGGCA
TTAGGTTTACAATCAACGGTAGGAGCTACTTCGAATTGGTCTTGATATCCAATGTC
GGAGGAGTCGGGAAATTTCAATGGTTTGGGTGAGAGGTTCAAGAACCAACAAG
TGGGAATCGATGTCGAGAAATTGGGGATCCAACCTGGCAGAGCTTAACCTACCTCA
CTGGTCAAACCTCTATCCTCCGACTTCAAGGCAGTAACGGTCAGATTCGCACCGC
TCTCAATGTCGTCCCTTCGAATTGGCAGTTTGGCCAGTCGTTCAAATCCAACATTC
AATTCTGA

Nucleotide

>LusEXPA-17

ATGGCGTCTAAAGCTTTCGCCTTCAGCATTTATGTGCGCCGTCGGGCAACTGCTGCT
GCTGCTGTTCAAACTTCCGGCCAGCCTCCGCAGCATGGCTCAGAGCCCATGCC
ACTTTCTACGGAGGCAGCGACGCTTCCGGTACTATGGGTACGTAACGTACAATCC
ATTTCTAAGAAAAAACTATATAGACATAGTAAGAGTACATAACTGACCCTTGAA
AATAAATAGAAAAGGTTCCAAAATTAGTTCGGATTTTTTATAATCTGTAGGCGGA

GCTTGCGGGTATGGGAATCTGTACACGGATGGTTACGGGACCAACACTGCGGGCGC
TAAGCACCGCACTTTTCAACGACGGTAAATCCTGCGGTGGTTGCTATCAAATGGT
CTGCGACGGCACTCAAGTTCCGCAGTGGTGCCGACGAGGAACTTACATCACCGTC
ACTGCCACTAATCTCTGCCCTCCCAACTACAATCTTCCCAATGACGATGGCGGGT
GGTGTAAACCCTCCCCGCCGCATTTTGACTTGTCTCAACCCGCCTTCCTCACCATT
GCTCAATACAAAGCCGGAATCGTCCCCATTTTCTACCGGAGGTACATAATACATG
GCACGACATTTTAACCTTAATCTCGATCAATTACTCTCAGTCAAACCGGAAAAAA
TGAACCACAATTTTTTTGGGGTCGTATTTTGCCCTAATTTTCGAATATTTGTTTGTA
TACACAGGGTTGGGTGTAGAAGGAGTGGAGGCATTAGGTTTACAATCAACGGTA
GGAGCTACTTCGAATTGGTCTTGATATCCAATGTCGGAGGAGTCGGGGAAATTC
AATGGTTTGGGTGAGAGGTTCAAGAACCAACAAGTGGGAATCGATGTCGAGAAA
TTGGGGATCCAACCTGGCAGAGCTTAACCTACCTCACTGGTCAAACCTATCCTTCC
GACTTCAAGGCAGTAACGGTCAGATTCGCACCGCTCTCAATGTCGTCCCTTCGAA
TTGGCAGTTTGGCCAGTCGTTCAAATCCAACATTCAATTCTGA