

IDENTIFICATION

Species: *Linum usitatissimum*

Locus: Lus10003822

Gene Model: Lus10003822

Description: LusEXPA-31

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>

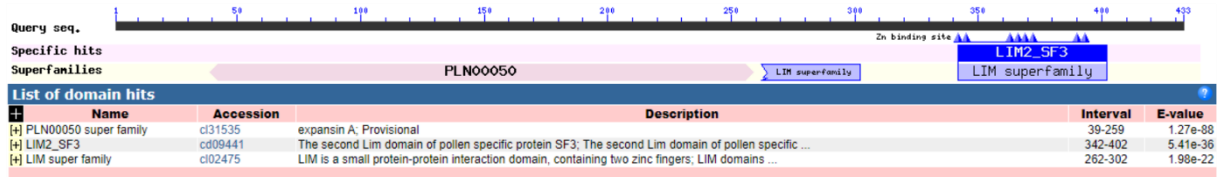
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-31

MAISFLLLLLILFPLVPYAASSPPQDSIPSSSSSNDWLSARATFYAASDPRDAVGGAC
 GYGDLVKAGYGLATVGLSESLFARGQICGACFELRCVDDLRCIPGTSIIVTATNFCA
 PNYGFSDSDGGGRCNPPNRHFVLPVIEAFEKVAVWKAGNMPVQYRRIKCRKEGGIRYTI
 SGSSIFISVLISNVAGAGDINAVKIKGSRTGWLPMGRNWXGQNWGINADLRNQPLSFEV
 TSSDGQTVTSYSVAPKDWSFGQTFEGNTRVYHKSCFRCHHCNNTLKLSNYCSFEGVL
 YCKPHYNQTFKKTGSLEKSFEGIPKVAKPEKSIESENASKVSSLFAGTKEKCKECTKT
 VYPIERVTVNNTWYHRKCFKCSHGGCTISPSNYIA YEGKLYCKHHHIQLFKEKGNYS
 QLSGDDNDDGNTIVVDVAAAATVTAAA*

CDS (coding sequence)

>LusEXPA-31

ATGGCGATCTCGTTTCTCCTCCTCCTTATCCTCATCCTCTTCCCGCCACTAGTTCCT
 TACGCAGCTTCCCTCCTCCGCAAGACAGCATCCCTTCTTCTCCTCCTCAAACGA
 CTGGCTTTCAGCTCGAGCAACCTTCTACGCAGCGTCGGACCCGCGGGACGCCGTC
 GGCGGAGCATGCGGTTACGGAGACCTAGTCAAGGCAGGGTACGGACTCGCCACC
 GTCGGCCTGAGCGAGTCACTGTTCCGCCGCGGCCAGATCTGCGGAGCATGCTTCG
 AGCTCCGGTGCGTCGACGATCTACGCTGGTGTATCCCGGGAACCTTCGATTATAGT
 CACGGCGACGAACCTTCTGCGCTCCGAATTACGGATTTCGATTCCGACGGCGGGGG
 CGGTGTAACCCTCCGAATCGGCATTTTGTGCTTCCGATTGAGGGGTTTGAGAAGG
 TCGCTGTTTGAAGGCTGGGAATATGCCTGTTCAAGTACCGGAGGATAAAGTGCAG
 AAAAGAAGGCGGGATAAGGTACACGATATCTGGATCGAGCATCTTCATATCAGT
 GCTGATTAGCAACGTTGCAGGAGCGGGAGACATCAATGCGGTGAAGATCAAAGG
 GTCGAGGACCGGGTGGCTTCCCATGGGAAGGAATTGGGGACAGAACTGGCACAT
 CAATGCCGACTTGAGAAACCAGCCGTTGTCGTTTCGAGGTGACTAGTAGTGATGGC
 CAGACTGTAACATCGTACAGTGTCCGCCCTAAAGATTGGAGCTTTGGGCAAACCTT
 TTGAAGGCAATACTCGTGTATATCACAAATCTTGCTTCAGATGCCACCACTGTAA
 CAACACCCTTAAGTTGAGCAACTATTGTTCTTTTGAAGGAGTCTCTATTGTAAGC
 CTCACTATAACCAGACTTTCAAAAAACCGGTAGCCTTGAGAAAAGTTTTGAAGG
 AATTCCTAAAGTGGCAAACCTGAAAAGTCTATCGAGAGTGAGAATGCGAGTAA
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TGTGTATCCAATTGAGAGGGTGACAGTGAACAATACATGGTACCACCGGAAGTGT
TTCAAGTGCAGCCACGGAGGATGCACCATAAGCCCGTCAAACCTACATTGCATATG
AAGGAAAGTTGTATTGCAAACACCATCATATCCAATTGTTCAAGGAGAAGGGAA
ATTATAGCCAACCTTAGCGGTGATGACAACGACGATGGCAATACCATCGTGGTGGAA
TGTGGCAGCGGCAGCAACTGTTACCGCTGCTGCCTGA

Nucleotide

>LusEXPA-31

ATGGCGATCTCGTTTCTCCTCCTCCTTATCCTCATCCTCTTCCCGCCACTAGTTCCT
TACGCAGCTTCTCCTCCTCCGCAAGACAGCATCCCTTCTTCTTCTCCTCAAACGA
CTGGCTTTCAGCTCGAGCAACCTTCTACGCAGCGTCGGACCCGCGGGACGCCGTC
GGCGGAGCATGCGGTTACGGAGACCTAGTCAAGGCAGGGTACGGACTCGCCACC
GTCGGCCTGAGCGAGTCACTGTTCCGCCGCGGCCAGATCTGCGGAGCATGCTTCG
AGCTCCGGTGCCTCGACGATCTACGCTGGTGTATCCCGGGAACCTTCGATTATAGT
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CGGTGTAACCCTCCGAATCGGCATTTTGTGCTTCCGATTGAGGGCCTTTGAGAAGG
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