

IDENTIFICATION

Species: *Linum usitatissimum*

Locus: Lus10027304

Gene Model: Lus10027304

Description: LusEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

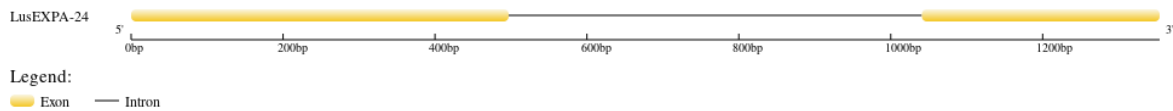
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

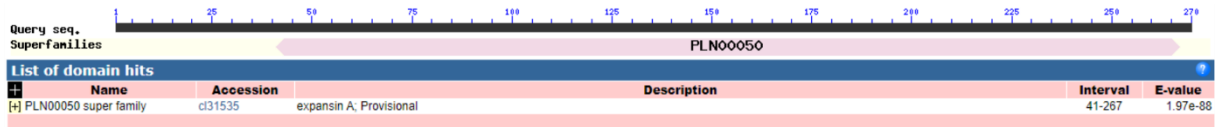
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-24

MPAFHILLLLLLLILPTSLPSASSHGASSVDSPPHPLPSTSSDWKPARATYYAASDPRDS
VGGACGYGDLVKAGYGQATVGLSQSLSLFRGQICGACFQLRCVDDLQWCIPGTSIILT
VTNFCAPNYGFPLEGGGHCNPPNDHFVLPPIEAFEKIAIWKAGNMPVQYRRIKCRKEG
GIRYTVSGSSIFISVLITNVAGAGDISAMKIKGSRTGWLPMGRNWGQNWHINADLRN
QPLSFEVSSSDGQVTAYNVAPKDWIFGQTFEGSKQFEA*

CDS (coding sequence)

>LusEXPA-24

ATGCCTGCTTTCCACATTCTCCTTCTCCTCCTCCTAATCCTCCCAACTTCACTCCCC
TCCGCCTCCTCCCACGGCGCCTCCTCCGTCGACTCCCCTCCTACCCCCTCCCATC
CACTTCCTCCGACTGGAAACCAGCTCGCGCCACCTACTACGCAGCGTCCGACCCA
CGCGACTCCGTCGGCGGAGCTTGTGGCTACGGCGACTTGGTGAAAGCCGGTTACG
GCCAGGCCACCGTGGGACTCAGCCAGTCCCTATTCCAGCGCGGCCAGATCTGCGG
CGCCTGCTTCCAGCTCCGATGCGTCGATGACCTCCAGTGGTGCATCCCTGGCACTT
CGATTATCCTCACTGTCACTAACTTCTGTGCCCTAATTACGGATTCCCTCTAGAA
GGCGGCGGCCACTGTAACCCTCCCAACGACCCTTCGTTCTCCCTATTGAAGCGT
TTGAGAAGATTGCAATCTGGAAGGCTGGCAACATGCCTGTACAGTACAGAAGAA
TCAAATGCAGAAAAGAAGGAGGGATACGGTACACAGTCTCCGGATCAAGCATCT
TCATATCGGTGCTGATCACGAATGTGGCAGGTGCAGGGGATATCAGTGCAATGAA
GATAAAGGGGTCTCGAACAGGGTGGCTGCCGATGGGTAGGAATTGGGGACAGAA
TTGGCACATCAATGCTGACTTGAGAAACCAGCCATTGTCGTTTGAAGTAAGTAGC
AGTGATGGCCAGACTGTTACCGCTTACAATGTTGCCCTAAAGATTGGATCTTTG
GACAGACCTTTGAAGGTAGCAAACAATTTGAGGCTTAA

Nucleotide

>LusEXPA-24

ATGCCTGCTTTCCACATTCTCCTTCTCCTCCTCCTAATCCTCCCAACTTCACTCCCC
TCCGCCTCCTCCCACGGCGCCTCCTCCGTCGACTCCCCTCCTACCCCCTCCCATC
CACTTCCTCCGACTGGAAACCAGCTCGCGCCACCTACTACGCAGCGTCCGACCCA
CGCGACTCCGTCGGCGGAGCTTGTGGCTACGGCGACTTGGTGAAAGCCGGTTACG

GCCAGGCCACCGTGGGACTCAGCCAGTCCCTATTCCAGCGCGGCCAGATCTGCGG
CGCCTGCTTCCAGCTCCGATGCGTCGATGACCTCCAGTGGTGCATCCCTGGCACTT
CGATTATCCTCACTGTCACTAACTTCTGTGCCCTAATTACGGATTCCTCTAGAA
GGCGGCGGCCACTGTAACCCTCCCAACGACCCTTCGTTCTCCCTATTGAAGCGT
TTGAGAAGATTGCAATCTGGAAGGCTGGCAACATGCCTGTACAGTACAGAAGGT
AATGCTCATTGTAAGATGGAAAATCACTGTAGTATTGCGGTTTGAAATCTGGGAT
TTGGTTCTAGGGCTTTCAGATGTTAAAAGTTCAATTCTTGCTCTGTGAGAGTTTTG
TATCTTCTGATTGCACCTGATAGAGGTGTGATTCTACTAAAATTAGCAGAATCAG
TTTGTAGGCAAGTGAAGTAGTTCAGATAGGATATGAATTAGTCACATTCTTCATG
CATCACTTTCGAAAATTCGAAACCAATGCCTGTATTATGGATGCTAGCTTGCTTAG
CATAGAACAATTGAACTTAATCTGTGTGCCGTAAAGGTTTAGAGTTGAAGTTTCAT
TGTCATCTCTCATAGTTAGTAGCAATTTTAGGTGAAAAGCTAAGGATATGGTGCA
TTCTCTAATCGAAGCAATGTAAGCATGAGTTTACATCTCTTGAAGTAGTTTCGAAA
GGCTAAAGAATACTGGAAAACCATTTAGTTGAGTTTTATCTTTGTATTTTCGTTTC
TTCGAACTATCCTTTCTGAACCGTGTGATTTTCGGTGCTGTCAGAATCAAATGCAGA
AAAGAAGGAGGGATACGGTACACAGTCTCCGGATCAAGCATCTTCATATCGGTG
CTGATCACGAATGTGGCAGGTGCAGGGGATATCAGTGCAATGAAGATAAAGGGG
TCTCGAACAGGGTGGCTGCCGATGGGTAGGAATTGGGGACAGAATTGGCACATC
AATGCTGACTTGAGAAACCAGCCATTGTCGTTTGAAGTAAGTAGCAGTGATGGCC
AGACTGTTACCGCTTACAATGTTGCCCTAAAGATTGGATCTTTGGACAGACCTTT
GAAGGTAGCAAACAATTTGAGGCTTAA