

IDENTIFICATION

Species: *Linum usitatissimum*

Locus: Lus10036763

Gene Model: Lus10036763

Description: LusEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

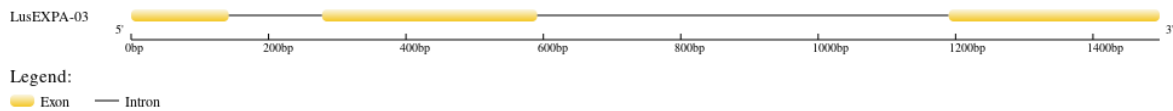
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

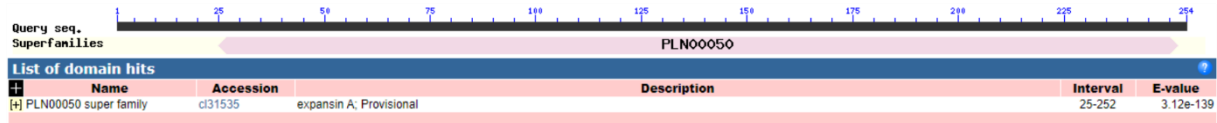
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-03

MGLAPFLAIMALTAAMASSVHGYGGRGGNWNVAHATFYGGGDASGTMGGACGYG
NLYSQGYGTNTAALSTALFNGLACGSCYEIKCVNDRRWCLPGSILITATNFCPPNNA
LPNNAGGWCNPPQHFDLSQPVFQHIAQYKAGIVPVA YRRVACRRRGGIRFTINGHS
YFNLVLITNVGGAGDVHSVAIKGSRTGWQAMSRNWGQNWQSNKLDGQALSFKVT
TSDGRSVVSYNVAPSRWSFGQTFAGAQFR*

CDS (coding sequence)

>LusEXPA-03

ATGGGTCTCGCCCCATTCCTCGCTATTATGGCTCTGACGGCCGCAATGGCGTCTTC
TGTCCACGGCTACGGTGGCAGAGGTGGCAACTGGGTTAACGCTCATGCAACTTTC
TACGGCGGCGGTGATGCCTCAGGAACAATGGGTGGGGCGTGTGGTTATGGGAAT
CTGTACAGTCAAGGCTATGGAACGAACACGGCTGCGTTGAGCACGGCTCTGTTC
ACAATGGACTTGCTTGTGGGTCCTGCTACGAGATTAATGTGTGAATGACCGGAG
ATGGTGCCTACCCGGTTCGATTCTCATCACCGCCACTAATTTCTGCCCGCCGAACA
ACGCGCTGCCTAACAACGCCGGCGGGTGGTGTAAACCCTCCTCAGCACCACTTTGA
CCTCTCTCAGCCTGTTTTCCAGCACATTGCTCAGTACAAGGCTGGAATCGTTCCTG
TTGCTTACAGAAGGGTGGCCTGCAGGAGAAGAGGAGGAATAAGGTTACAATCA
ACGGCCACTCATACTTTAACCTAGTCCTAATCACCAACGTCGGCGGGGCCGCGGA
CGTGCATTCAGTGGCAATCAAAGGATCAAGAACAGGATGGCAAGCAATGTCGAG
GAACTGGGGGCAA AATTGGCAAAGCAACAGCAAGCTCGACGGTCAAGCTTTGTC
CTTCAAAGTTACAACCAGTGATGGCCGCTCTGTTGTGTCCTACAACGTCGCCCTT
CCCGTTGGTCATTTCGGCCAGACTTTCGCCGGCGCTCAGTTCCGTTGA

Nucleotide

>LusEXPA-03

ATGGGTCTCGCCCCATTCCTCGCTATTATGGCTCTGACGGCCGCAATGGCGTCTTC
TGTCCACGGCTACGGTGGCAGAGGTGGCAACTGGGTTAACGCTCATGCAACTTTC
TACGGCGGCGGTGATGCCTCAGGAACAATGGGTACGTACGCTCGTCATTTCTAGC
TAATTTGCGCTATTGGGTCGACCAGCTCGTCCAACCTATTAATGTAAGTACTCGA
CTGGATCGTTTATGACATGCTTACTCACATCTTTTGATCTTGCAAATTTGTGGCAG
GTGGGGCGTGTGGTTATGGGAATCTGTACAGTCAAGGCTATGGAACGAACACGG

CTGCGTTGAGCACGGCTCTGTTCAACAATGGACTTGCTTGTGGGTCCTGCTACGA
GATTAATGTGTGAATGACCGGAGATGGTGCCTACCCGGTTCGATTCTCATCACC
GCCACTAATTTCTGCCCGCCGAACAACGCGCTGCCTAACAACGCCGGCGGGTGGT
GTAACCCCTCCTCAGCACCCTTTGACCTCTCTCAGCCTGTTTTCCAGCACATTGCT
CAGTACAAGGCTGGAATCGTTCCTGTTGCTTACAGAAGGTTAACACAACCCATCT
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CGATCAGAACAAGATAAAAAGTAAAAAATACTATATTGATTGTTTGTGGGGTGTG
TTGGATCCTGACCCGATATTTTCGGGTCATCAACACAGCTCTACCACTAAACCAA
CTCCATTTGGACAAACTAAGGATGAAATACAATTGTCATTAACGACCGAATTTA
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AGATTATTTTGTACAAATACAGATAAGGAATAAATATTAATAATATCTTAATCGAT
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TTACAATTCAATCGGCTGAAATGGTTACTACCCGAATCCGACCAACAACAATAG
GAAACGGATATTAATTATCTAGACCCGAACCAAACCATTACCAAATCTAAACCAA
CCCCAAGTTTTTCATCTGATTTGGACTCTTTTACCCTTGACCCACGCAAAACTGACT
TGTTTCAGTTTTGGTTTTTGTTCCTTTCTAGGGTGGCCTGCAGGAGAAGAGGAGGAA
TAAGGTTACAATCAACGGCCACTCATACTTTAACCTAGTCCTAATCACCACCGT
CGGCGGGGCCGGCGACGTGCATTCAGTGGCAATCAAAGGATCAAGAACAGGATG
GCAAGCAATGTCGAGGAACTGGGGGCAAAATTGGCAAAGCAACAGCAAGCTCGA
CGGTCAAGCTTTGTCCTTCAAAGTTACAACCAGTGATGGCCGCTCTGTTGTGTCCT
ACAACGTCGCCCTTCCCGTTGGTCATTCGGCCAGACTTTCGCCGGCGCTCAGTTC
CGTTGA