

IDENTIFICATION

Species: *Linum usitatissimum*

Locus: Lus10040286

Gene Model: Lus10040286

Description: LusEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

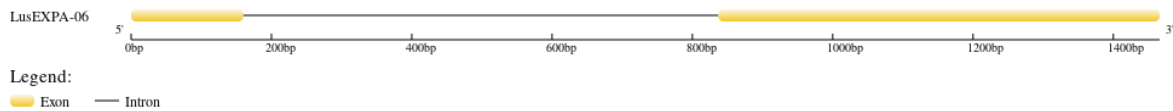
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

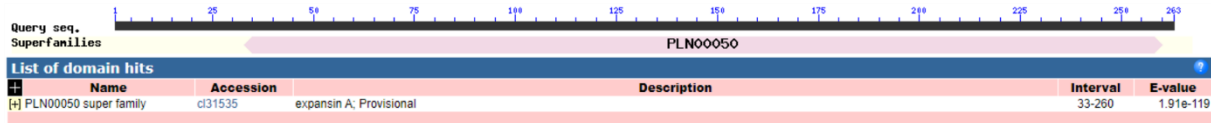
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-06

MRTSALCALSFALLFLSAQIIIVESRIPGNYMGGAWQSAHATFYGGSDASGTMGGAC
GYGNLYSQGYGVNTAALSTALFNGLSCGACFEIKCANDPQWCHSGSPSILVTATNF
CPPNFAQASDNGGWCNPPRPHFDLAMPNFLKIAEYRAGIVPVSFRRVACRKQGGIRF
TINGFKYFNLVLVTNVAGAGDVVKVWVKGSKTGWMSMSRNWQNWQNSVLAG
QSLFRVTSSDRRTSTSWNIVPAGWQFGQFTTGKNFRV*

CDS (coding sequence)

>LusEXPA-06

ATGAGGACTTCAGCTCTTTGTGCTCTGTCTTTTGGCTCTGCTTTTCCTCTCTGCACAA
ATCATCATTGTCTGAATCCCGAATCCCTGGAAATTACATGGGAGGCGCCTGGCAAT
CCGCCACGCCACTTTCTACGGCGGCTCAGACGCCTCCGGGACAATGGGGGGAGC
TTGTGGATACGGAAACCTGTACAGCCAAGGCTACGGAGTAAACACCGCCGCACT
AAGCACTGCACTCTTCAACAACGGACTGAGCTGCGGTGCATGCTTCGAGATAAAA
TGCGCAAACGACCCGCAGTGGTGCCATTCGGGCAGCCCTTCGATCCTCGTCACAG
CCACAACTTCTGCCCTCCCAATTTCCGCCAAGCCAGCGACAACGGTGGGTGGTG
CAACCCTCCCCGCCGCACTTCGACCTCGCAATGCCGATGTTCCCTCAAGATCGCA
GAGTACCGGGCCGGGATCGTGCCAGTGTCTGTTCCGGAGGGTTCGCATGTAGGAAG
CAAGGAGGGATCAGGTTACAGATCAACGGGTTCAAGTACTTCAATTTGGTACTTG
TGACGAACGTGGCCGGAGCAGGGGATGTTGTTAAAGTGTGGGTGAAAGGTTCCA
AGACTGGTTGGATGAGTATGAGTCGGAATTGGGGTCAGAATTGGCAATCGAATTC
GGTGTGGCCGGACAGTCGCTGCTGTTCCGAGTTACTTCGAGTGATCGCCGGACT
TCTACTTCTTGGAATATTGTTCCCTGCTGGGTGGCAGTTTGGTTCAGACTTTTACCGG
CAAGAATTCAGGGTCTAG

Nucleotide

>LusEXPA-06

ATGAGGACTTCAGCTCTTTGTGCTCTGTCTTTTGGCTCTGCTTTTCCTCTCTGCACAA
ATCATCATTGTCTGAATCCCGAATCCCTGGAAATTACATGGGAGGCGCCTGGCAAT
CCGCCACGCCACTTTCTACGGCGGCTCAGACGCCTCCGGGACAATGGGTAACCTT
CTCCAGAAGATTCCTTCTCCCCCTGCTCTGTTTCCGGTACTCTATTTTTTTTAA
CACACTCTGTTTCAAACCTCCATGAATCAATGACAATGACTAGAACAAAGTCGA

ATTTACGGTTTTCAAGGTTGATTTGTTATCTTATAGAAAAATTTAGTTTGTATA
GAGATCGAGTTTATTCGAATTTGCATCGTTAACTACTCTGTAAAAGTCAAATTCG
AGATGAACTTGAACCTTACTTATTA AAAACCCTTTATTAGTCCAATAATTTGAACT
TGTACACTAAATTAACACGTTAACTAAAATATAAATTACCCTAAAATTTCAAC
TCTCTACTTTTTTCATTTTCATTTAAAATAATTATACATAAACTATGTAGCACTTGTAT
TGTGATTACCATAATCACAACCTTAAATAAGATATATTATATACAAAATAAAAATAA
ATATTGCATTATTA AATCTATTA ACTAGACATATATTTAAGATAGTATTTGAATTG
ACTCTAACTCGAACTCACATATCTAGCTTCCTGACTAAAGTTTAACTAATTTAAAA
TCTAGTCGATTCAAAAACGAATATTTTTTTTCGAGCAAACCAATACACTAACTATT
AATCAAACAGCTCCATTTGTCAACAACCCGACATTTCTCAATTTCTTTGTTCTAAA
GGGGGAGCTTGTGGATACGGAAACCTGTACAGCCAAGGCTACGGAGTAAACACC
GCCGCACTAAGCACTGCACTCTTCAACAACGGACTGAGCTGCGGTGCATGCTTCG
AGATAAAATGCGCAAACGACCCGCAGTGGTGCCATTCGGGCAGCCCTTCGATCCT
CGTCACAGCCACAACTTCTGCCCTCCCAATTTCGCCCAAGCCAGCGACAACGGT
GGGTGGTGCAACCCTCCCCGCCCGCACTTCGACCTCGCAATGCCGATGTTCCCTCA
AGATCGCAGAGTACCGGGCCGGGATCGTGCCAGTGTCGTTCCGGAGGGTTCGCAT
GTAGGAAGCAAGGAGGGATCAGGTTACGATCAACGGGTTCAAGTACTTCAATTT
GGTACTTGTGACGAACGTGGCCGGAGCAGGGGATGTTGTTAAAGTGTGGGTGAA
AGGTTCCAAGACTGGTTGGATGAGTATGAGTCGGAATTGGGGTCAGAATTGGCA
ATCGAATTCGGTGTTGGCCGGACAGTCGCTGTCGTTCCGAGTTACTTCGAGTGAT
CGCCGGACTTCTACTTCTTGGAATATTGTTCCCTGCTGGGTGGCAGTTTGGTTCAGAC
TTTTACCGGCAAGAATTCAGGGTCTAG