

IDENTIFICATION

Species: *Linum usitatissimum*

Locus: Lus10040801

Gene Model: Lus10040801

Description: LusEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

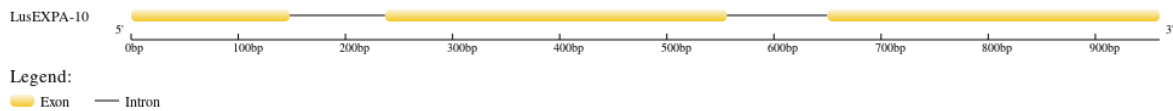
Phytozome: https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0

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

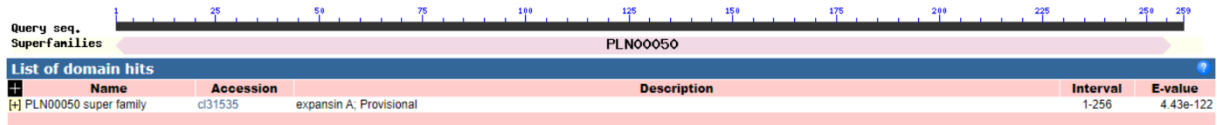
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>LusEXPA-10

MGRLSFCIVLLLPLMWMVTEARIPGVYSGGGWQQAHAATFYGGSDASGTMGGACGY
GNLYSQGYGVNTAALSTALFNGLSCGSCFEIKCADDPRWCHSGSPSILITATNFCPP
NFAQPSDNGGWCNPPRPHFDLAMPMFLKIAEYRAGIVPVTYRRVPCRKRGGIRFTIN
GFRYFNLVLSNVAGAGDIVKVSVKGAKTGWMSMSRNWQNWQSNVAVLVGQPLS
FRVTGSDRRTSTSWNIAPAGWQFGQTF TGKNFRV*

CDS (coding sequence)

>LusEXPA-10

ATGGGCCGTCTGTCCTTCTGCATTGTGCTCTTGTTGCCTTTAATGTGGATGGTTAC
AGAGGCAAGAATCCCCGGAGTCTACTCCGGCGGCGGATGGCAGCAAGCTCATGC
CACCTTCTACGGCGGTTCCGATGCTTCTGGAACATATGGGGGGAGCTTGTGGGTAC
GGAAATCTGTATAGCCAAGGCTACGGAGTTAACACGGCGGCGCTAAGCACTGCT
CTATTCAACAACGGCCTGAGCTGCGGCTCCTGCTTTGAGATTAAGTGCGCCGACG
ACCCGAGATGGTGCCATTCCGGTAGCCCTTCCATTTAATCACTGCAACCAACTTC
TGCCCTCCCAATTCGCCAGCCAGCGACAATGGCGGCTGGTGTAAACCCTCCTC
GCCCCATTTTCGACCTCGCCATGCCCATGTTCTTGAAGATTGCTGAGTACCGCGCC
GGAATCGTCCCCGTCACCTACCGCCGGGTGCCGTGCAGGAAGAGGGGAGGGATT
AGGTTACAATCAATGGTTTCCGTTACTTCAATCTTGTTCTGGTGAGCAACGTCGC
CGGCGCCGGCGACATTGTGAAGGTGAGCGTGAAAGGAGCGAAGACAGGGTGGAT
GAGCATGAGCCGGAAC TGGGGTCAA AACTGGCAGTCAAACGCTGTCTCGTCCG
TCAACCTCTGTCGTT CAGGGT CACGGGAAGCGACCGGCGTACTTCCACTTCGTGG
AATATTGCTCCGGCGGGATGGCAGTTCGGCCAGACATTCACCGGGAAGAATTTCA
GGGTCTGA

Nucleotide

>LusEXPA-10

ATGGGCCGTCTGTCCTTCTGCATTGTGCTCTTGTTGCCTTTAATGTGGATGGTTAC
AGAGGCAAGAATCCCCGGAGTCTACTCCGGCGGCGGATGGCAGCAAGCTCATGC
CACCTTCTACGGCGGTTCCGATGCTTCTGGAACATATGGGTATTTTCTCACATTCCG
AAATATGCACTCAAAGTTACAAAATGGAGTTACTCTGTTTCTTAAGCTCTGTTTTT
ATTTTTGGGCTTCAGGGGGAGCTTGTGGGTACGGAAATCTGTATAGCCAAGGCTA

CGGAGTTAACACGGCGGCGCTAAGCACTGCTCTATTCAACAACGGCCTGAGCTGC
GGCTCCTGCTTTGAGATTAAGTGCGCCGACGACCCGAGATGGTGCCATTCCGGTA
GCCCTTCCATTTTAATCACTGCAACCAACTTCTGCCCTCCCAATTTGCCCCAGCCC
AGCGACAATGGCGGCTGGTGTAACCCTCCTCGCCCCCATTTCGACCTCGCCATGC
CCATGTTCTTGAAGATTGCTGAGTACCGCGCCGGAATCGTCCCCGTCACCTACCG
CCGGTAAGATTA AAAATCTCCCTTCACACTTTATTTCTCCCCCATTGTGGAAAA
GGACCGAGCTGACATGGAATTTTTTGTTCCTTGCATACAGGGTGCCGTGCAGGA
AGAGGGGAGGGATTAGGTTCA CAATCAATGGTTTCCGTTACTTCAATCTTGTCT
GGTGAGCAACGTCGCCGGCGCCGGCGACATTGTGAAGGTGAGCGTGAAAGGAGC
GAAGACAGGGTGGATGAGCATGAGCCGGA ACTGGGGTCAAACTGGCAGTCAAA
CGCTGTCCTCGTCGGTCAACCTCTGTTCGTT CAGGGTCACGGGAAGCGACCGGCGT
ACTTCCACTTCGTGGAATATTGCTCCGGCGGGATGGCAGTTCGGCCAGACATTCA
CCGGGAAGAATTCAGGGTCTGA