

## IDENTIFICATION

**Species:** *Linum usitatissimum*

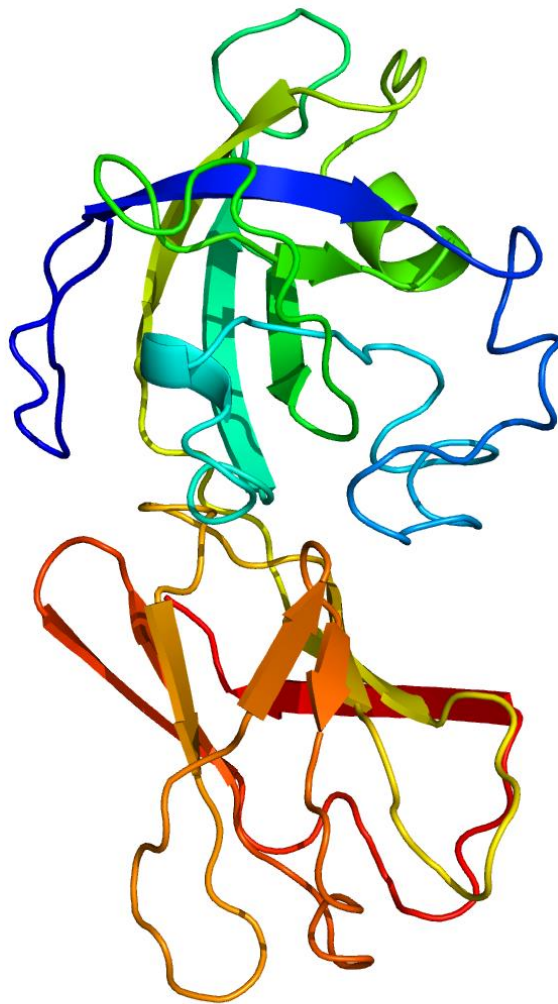
**Locus:** Lus10013849

**Gene Model:** Lus10013849

**Description:** LusEXPA-29

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

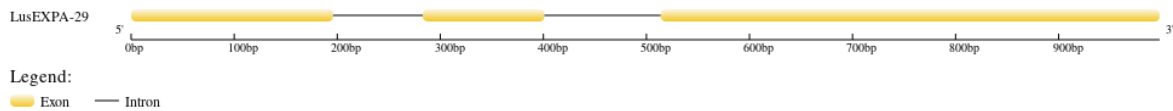
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Lusitatissimum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0)

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

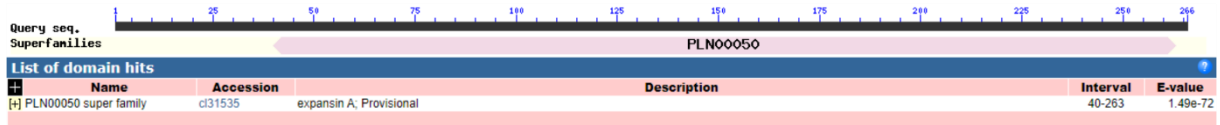
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>LusEXPA-29

MGHSSLHQILLLCFISLSITTTAAAFTYDDGNPTSASHEGEGDGEWKSATATYTKQP  
DGGISLGGACGYGDVHFALTYGSYSAGLSAMLFNRGSTCGACFQISPSVTLTATDFC  
APNYALSADYGGWCNFSKRHFELSEAFAEIADVKKADIVPVQYRKVKCNREGGGV  
RFTASGSRIFYQVLITNVAGDGEVVGVKVKGRRGTWIPMARNWQNWQCFVDLIG  
QPLSFEVTTSDGKTVTSYNVAPSNWMFGQTFQGKQFSG\*

### CDS (coding sequence)

>LusEXPA-29

ATGGGGCACTCCTCTCTTCACCAAATCCTCCTCCTCTGCTTCATCTCACTCAGCAT  
TACCACCACCGCCGCCGCCCTTTACCTACGACGACGGAACCCCACTTCCGCC  
TCCCATGAAGGCGAAGGCGACGGTGAATGGAAGTCCGCCACCGCCACCTACACC  
AAACAACCCGACGGAGGCTCCATCTCTCTCGGCGGAGCGTGCGGCTACGGCGAC  
GTATTCCACGCCTTGACATACGGAAGCTACAGCGCCGGATTAAGCGCGATGCTCT  
TCAACCGAGGCAGCACTTGCGGGCGGTGCTTCCAAATCAGCCCGTCCGTCACCCT  
CACCGCCACCGACTTCTGCGCTCCAACTACGCCCTCTCAGCCGACTACGGCGGG  
TGGTGCAACTTTTCCAAGCGACACTTCGAGCTCTCCGAGTCGGCATTCCGCCGAGA  
TCGCGGACGTTAAGAAGGCGGACATCGTCCCCGTCCAGTACAGGAAGGTGAAGT  
GCAACAGAGAAGGCGGGGGGTGAGGTTACGGCGAGCGGGAGCAGGCTATTCT  
ACCAGGTGCTGATTACCAACGTCGCAGGCGACGGCGAGGTGGTCCGAGTTAAGG  
TGAAAGGTCCGGCGACCGGGTGGATTCCGATGGCGAGGAATTGGGGGCAGA  
GGCAGTGTGTTTGTAGACCTAATTGGGCAGCCGCTTTCGTTCCGAGGTCACGACTAG  
CGATGGTAAACTGTGACGTCTTACAATGTTGCTCCTTCTAACTGGATGTTTGGCC  
AGACGTTCCAAGGGAACAATTCTCTGGTTAA

### Nucleotide

>LusEXPA-29

ATGGGGCACTCCTCTCTTCACCAAATCCTCCTCCTCTGCTTCATCTCACTCAGCAT  
TACCACCACCGCCGCCGCCCTTTACCTACGACGACGGAACCCCACTTCCGCC  
TCCCATGAAGGCGAAGGCGACGGTGAATGGAAGTCCGCCACCGCCACCTACACC  
AAACAACCCGACGGAGGCTCCATCTCTCTCGGTTAGCCAACCTTTCTTTTATTTC  
CCTGCTTTCTGTCCTCAGAACAATAATTTGAATTTAATTAATCCAACAATCCTCGCC

GCACAGGCGGAGCGTGCGGCTACGGCGACGTATTCCACGCCTTGACATACGGAA  
GCTACAGCGCCGGATTAAGCGCGATGCTCTTCAACCGAGGCAGCACTTGCGGCGC  
GTGCTTCCAAATCAGGTGCGTGGACCACATCCTCTGGTGCCTCCAAGGGAGCCCG  
TCCGTCACCCCTACCGCCACCGACTTCTGCCCACCTAACTACGCCCTCTCCGCCGA  
CTACGGCGGGTGGGCAGCCCGTCCGTCACCCCTACCGCCACCGACTTCTGCGCTC  
CCAACTACGCCCTCTCAGCCGACTACGGCGGGTGGTGCAACTTTTCCAAGCGACA  
CTTCGAGCTCTCCGAGTCGGCATTGCGCGAGATCGCGGACGTTAAGAAGGCGGAC  
ATCGTCCCCGTCCAGTACAGGAAGGTGAAGTGCAACAGAGAAGGCGGCGGGGTG  
AGGTTACGGCGAGCGGGAGCAGGCTATTCTACCAGGTGCTGATTACCAACGTCG  
CAGGCGACGGCGAGGTGGTCGGAGTTAAGGTGAAAGGTGCGGCGGACCGGGTGGA  
TTCCGATGGCGAGGAATTGGGGGCAGAACTGGCAGTGTTTTGTAGACCTAATTGG  
GCAGCCGCTTTCGTTTCGAGGTCACGACTAGCGATGGTAAAACGTGACGTCTTAC  
AATGTTGCTCCTTCTAACTGGATGTTTGGCCAGACGTTCCAAGGGAAACAATTCT  
CTGGTTAA