

## IDENTIFICATION

**Species:** *Linum usitatissimum*

**Locus:** Lus10014137

**Gene Model:** Lus10014137

**Description:** LusEXPA-16

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

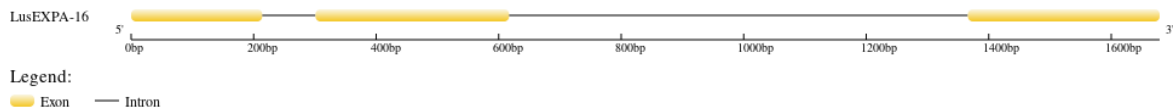
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Lusitatissimum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Lusitatissimum_v1_0)

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

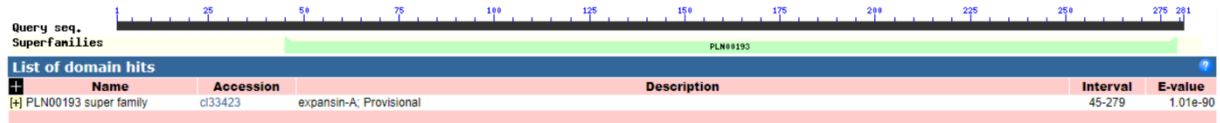
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>LusEXPA-16

MAFVSWNTSCTVSFYFMVAVMAATAGLIFVEPVDAAAGYGTTATRHVPVFRPSRWSL  
AHATFYGDEASATMGGACGYGNLFQNGYGTDTAALSTTLFNNGYSCGACYQIKCA  
YSPHCYSNVAFTTVTATNICPPNWSQDSNNGGWCNPPRSHFDMSKPAFMKIADWKA  
GIIPIMFRRVPCVTKGGIRFQFQNGYWLLVYVMNVGGGGDIAQMWVKGSKTSWIS  
MSHNWGASYQAFSSLGGQSLSFKVQSYSTKEIYAWNVAPSNWNVGLTYKSNVNFH  
\*

### CDS (coding sequence)

>LusEXPA-16

ATGGCTTTTGTAAAGCTGGAACACAAGCTGTACAGTTAGTTTCTACTTCATGGTAGC  
AGTAATGGCTGCTACAGCTGGTCTAATTTTGTAGAACCAGTAGATGCAGCTGGC  
TATGGAACCACAGCCACCCGTCATGTGCCCGTCTTTCGGCCTAGCCGGTGGTCCC  
TAGCCACGCTACGTTCTATGGTGACGAACTGCCTCCGCGACAATGGGGGGAGC  
TTGCGGGTACGGAACTTGTTCCAAAATGGGTACGGGACAGACACTGCAGCGCTT  
AGCACGACGTTGTTCAACAATGGGTACTCGTGCGGGGCGTGTTACCAGATCAAAT  
GTGCGTACTCCCCGCATTGTTACTCGAATGTGGCATTACGACCGTGACCGCTAC  
GAACATCTGTCCTCCGAAGTGGTTCGAGGACTCCAACAACGGCGGGTGGTGAAC  
CCTCCTAGGTCCCACTTCGACATGTCCAAGCCCGCTTTTATGAAGATCGCGGACT  
GGAAGCCGGGATCATCCCAATCATGTTCCGCAGGGTGCCATGCGTGACGAAAG  
GTGGGATTTCGGTTCCAATTCCAAGGGAATGGGTATTGGTTGTTGGTGTATGTGAT  
GAATGTTGGGGGAGGAGGAGACATTGCTCAAATGTGGGTTAAAGGAAGCAAGAC  
AAGTTGGATAAGCATGAGCCATAATTGGGGAGCTTCATACCAAGCATTTTCAAGC  
TTGGGTGGCCAATCACTCTCTTTCAAAGTCCAATCCTACTCCACTAAGGAGATCAT  
CTATGCTTGGAATGTTGCACCTTCTAATTGGAATGTGGGGTTGACTTACAAGTCA  
AATGTCAACTTCCACTAA

### Nucleotide

>LusEXPA-16

ATGGCTTTTGTAAAGCTGGAACACAAGCTGTACAGTTAGTTTCTACTTCATGGTAGC  
AGTAATGGCTGCTACAGCTGGTCTAATTTTGTAGAACCAGTAGATGCAGCTGGC  
TATGGAACCACAGCCACCCGTCATGTGCCCGTCTTTCGGCCTAGCCGGTGGTCCC

TAGCCCACGCTACGTTCTATGGTGACGAAACTGCCTCCGCGACAATGGGTAACAA  
AATGTTTATTTATCGTTGACCGGTAAGTCAAAGTAACTAGGTGTGATTACGGCCGTATCT  
GAATGTTTATTTTGAATTTGTGAAGGGGGAGCTTGCGGGTACGGAACTTGTTC  
AAATGGGTACGGGACAGACACTGCAGCGCTTAGCACGACGTTGTTCAACAATGG  
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TCGAATGTGGCATTACGACCGTGACCGCTACGAACATCTGTCCTCCGAACTGGT  
CGCAGGACTCCAACAACGGCGGGTGGTGCAACCCTCCTAGGTCCCCTTCGACAT  
GTCCAAGCCCGCTTTTATGAAGATCGCGGACTGGAAGGCCGGGATCATCCCAATC  
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ATTCAATGATCACATATAGTGGCGGAGTCAGAAAATTAATCAAGGGGTTCCGAA  
ATACCATAAAATAATCAACCATGTACGTAACAGAAAAGTCCACTATAAATGAAA  
TTGGAAGTGAAAAGCTTAATGTTTAAGATCCGTACAATTACAGACTAATAGTTAG  
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TTTTCAAGCTTGGGTGGCCAATCACTCTCTTTCAAAGTCCAATCCTACTCCACTAA  
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ACAAGTCAAATGTCAACTTCCACTAA