

## IDENTIFICATION

**Species:** *Eucalyptus grandis*

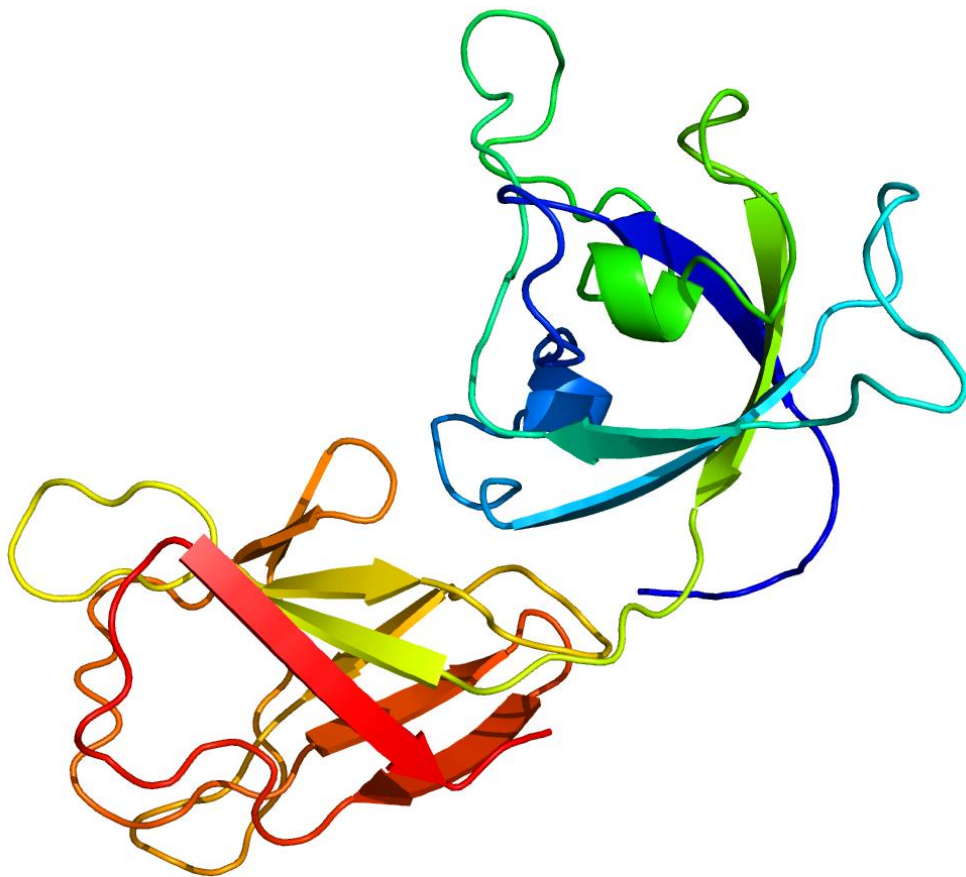
**Locus:** Eucgr.A01269

**Gene Model:** Eucgr.A01269.1.p

**Description:** EgrEXPA-02

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

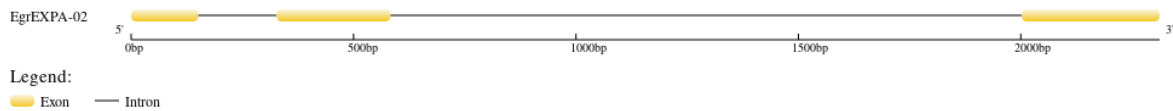
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Egrandis\\_v2\\_0](https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0)

KEGG: <https://www.genome.jp/entry/T03547>

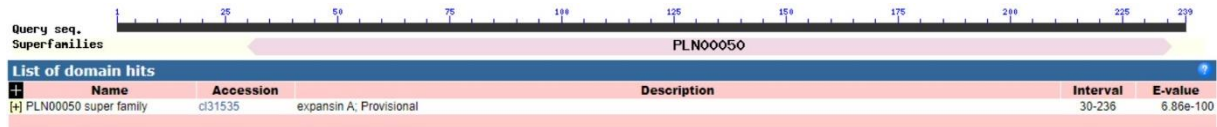
## EXTERNAL RESOURCES

<https://eucgenie.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>EgrEXPA-02

MARARALCVAALLLSLLAAASARIPGVYTTGGDWQSAHATFYGGSDASGTMATALF  
NDGLSCRPCFEIRCAEDPRWCNPGNPSITVTATNFCPPNFALPSDNGGWCNPPRPHFD  
LAMPMFLKIAQYRAGIVPVSFRRVACRKRGGIRFTINGFRYFNLVLTNVAGAGDIVR  
VNVKGSRTGWMGMSRNWQNWQSNVAVLVGQALSFRVTGSDKRTSTSWNVAPAG  
WQFGQTFEGKNFRV\*

### CDS (coding sequence)

>EgrEXPA-02

ATGGCTCGTGCGAGAGCGCTCTGCGTCGCCGCCCTCCTCCTCTCGCTCCTCGCCGC  
GGCAAGCGCCCGGATCCCCGGCGTCTACACCGGCGGCGACTGGCAGAGCGCCCA  
CGCCACCTTCTACGGCGGCAGCGACGCTCCGGGACCATGGCCACGGCGCTGTTC  
AATGACGGTCTCAGCTGCCGGCCGTGCTTCGAGATACGGTGCGCCGAGGACCCGC  
GCTGGTGAACCCCGGGAACCCGTGCATCACGGTGACGGCCACCAACTTCTGCC  
GCCGAACTTCGCCCTGCCAGCGACAACGGCGGGTGGTGCAACCCCCCTCGCCCC  
CACTTTGACCTGGCCATGCCATGTTCTCAAGATCGCCAGTACCGCGCCGGCA  
TCGTCCCCGTCTCTTTCCGTCCGGTGGCGTGCAGGAAGCGGGGAGGCATCCGGTT  
CACCATCAACGGGTTCCGGTACTTCAACCTGGTGGTGGTACCAACGTGGCCGGG  
GCAGGCGACATCGTGCGGGTGAACGTGAAGGGGTCAAGGACTGGGTGGATGGGC  
ATGAGCCGCAACTGGGGCCAGAAGTGGCAGTCCAACGCCGTCTTGTGGGCCAG  
GCCCTCTCTTTCCGGGTCACCGGCAGCGACAAGCGCACCTCCACCTCGTGGAACG  
TCGCCCCCGCCGGCTGGCAGTTTGGCCAGACCTTCGAGGGCAAGAACTTCCGGGT  
CTGA

### Nucleotide

>EgrEXPA-02

ATGGCTCGTGCGAGAGCGCTCTGCGTCGCCGCCCTCCTCCTCTCGCTCCTCGCCGC  
GGCAAGCGCCCGGATCCCCGGCGTCTACACCGGCGGCGACTGGCAGAGCGCCCA  
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GCTCTCGGGAATTTCCGGCATTCGGTTCTCCATTTTCCCGTGCCGTTCTGTTCATCTT  
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GTTCGGGAACCTGTACAGCCAGGGGTACGGGGTGAACACGGCGGCCCTGAGCCA  
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CATCGTGCGGGTGAACGTGAAGGGGTCAAGGACTGGGTGGATGGGCATGAGCCG  
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CCGGCTGGCAGTTTGGCCAGACCTTCGAGGGCAAGAACTTCCGGGTCTGA