

## IDENTIFICATION

**Species:** *Eucalyptus grandis*

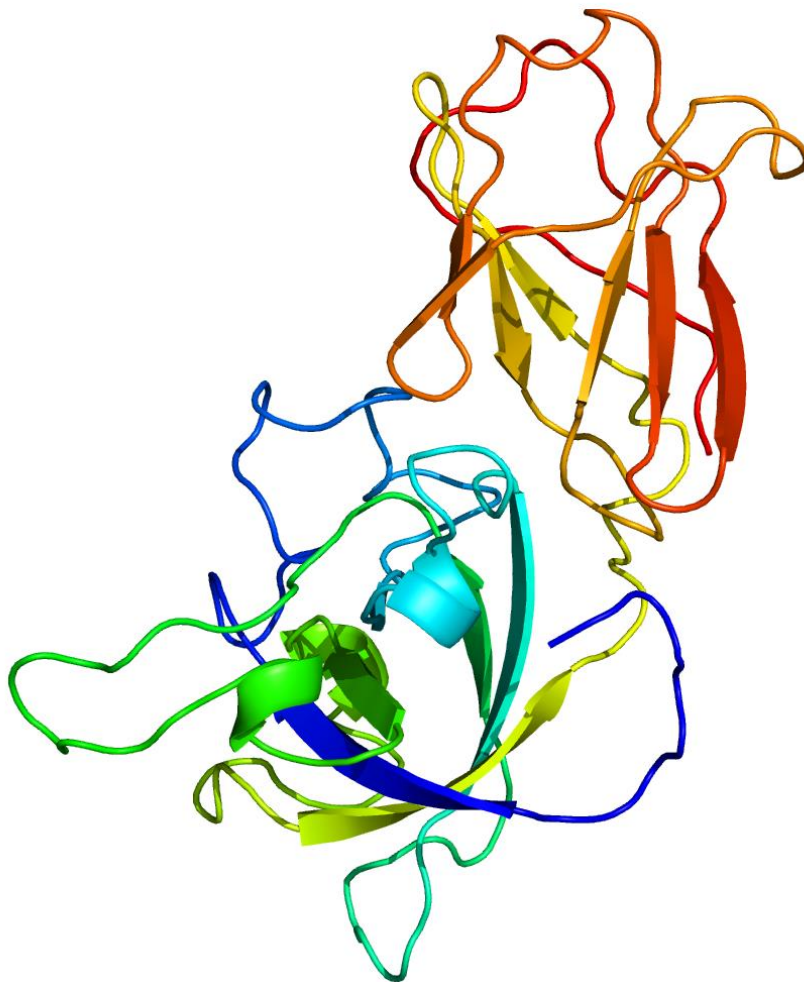
**Locus:** Eucgr.G02490

**Gene Model:** Eucgr.G02490.1.p

**Description:** EgrEXPA-17

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

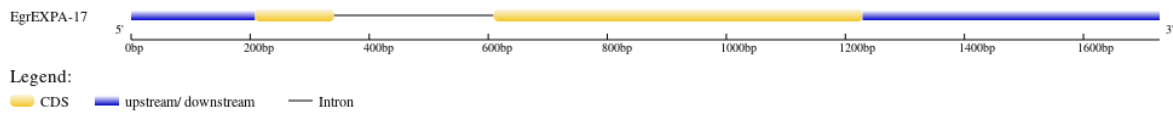
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Egrandis\\_v2\\_0](https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0)

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

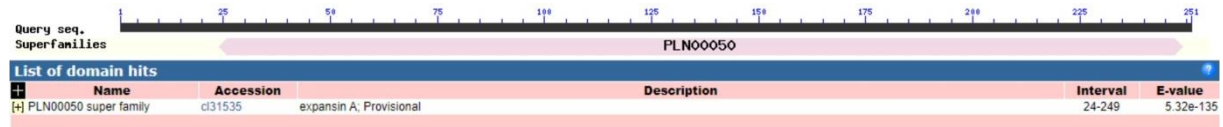
## EXTERNAL RESOURCES

<https://eucgenie.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>EgrEXPA-17

MALAGLLL VVGLLATAASVDGSGGGGWINAHATFYGGSDASGTMGGACGYGNLYS  
QYGTNTAALSTALFNGLSCGSCFEIRC VNDGKWCLGGSIVVTATNFCPPNNALPN  
NAGGWCNPPQHFDLSQPVFQHIAQYRAGIVPVA YRRVPCRRSSGGIRFTINGHSYFNL  
VLVTNVGGAGDVHSVAVKGSRTGWQTM SRNWGQNWQSNANLNGQSLSFKVTTSD  
GRTVVSNNVAPAGWSFGQTFAGAQR\*

### CDS (coding sequence)

>EgrEXPA-17

ATGGCTCTTGCTGGGCTGCTGCTCGTGGTGGGCCTTCTTGCGACCGCGGCTTCCGT  
CGACGGCTCCGGCGGTGGAGGCTGGATCAATGCCACGCCACCTTCTACGGAGGC  
AGCGACGCTTCCGGCACAATGGGCGGGGCGTGCGGGTACGGCAACCTGTACAGC  
CAGGGCTACGGTACGAACACGGCGGCGCTGAGCACGGCGCTGTTCAACAACGGG  
CTGAGCTGCGGGTCGTGCTTCGAGATCCGGTGC GTGAACGACGGGAAGTGGTGCC  
TGGGCGGCTCCATCGTCGTCACCGCCACCAACTTCTGCCCGCCAACAACGCCCT  
CCCCAACAACGCCGGCGGGTGGTGCAACCCGCCCAACACCACTTCGACCTCTCC  
CAGCCCGTCTTCCAGCACATTGCCAGTACCGCGCCGGCATCGTCCCCGTTGCGT  
ACCGGAGGGTGCCGTGCCGGAGGAGCGGAGGCATCCGGTTCACCATCAACGGCC  
ACTCATACTTCAACCTCGTCCTCGTCACCAACGTCGGCGGGCGCCGGCGACGTCCA  
CTCGGTCGCCGTGAAGGGTTCGCGGACCGGGTGGCAGACCATGTCCC GGA ACTG  
GGGCCAGAACTGGCAGAGCAACGCCAACCTCAACGGCCAGTCCCTCTCCTTCAAG  
GTCACCACCAGCGACGGCCGCACCGTGGTCTCCAACAACGTCGCCCCCGCCGGGT  
GGTCCTTCGGGCAGACCTTCGCCGGAGCGCAGTTCCGCTGA

### Nucleotide

>EgrEXPA-17

ACCTGCCCTCCGCCGCTCATCTCCCTCACTTGCCCCCTCTTTGTC ACTTCTCGCCGC  
TGCTTGTTTCAGGACTCTACAGGTAATCACATTCTCGACCCTGTTTCTGAATTCGA  
TAAATGGTTGTGAATTTTCTCAAATGGGGATGCGCATT TTTGTTGAAA ACTGAGG  
CGAATGCGCTCTGTTTCGTCCAGGAGGAGGGCGTGAAAAAATGGCTCTTGCTGGG  
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CACAATGGGTATGATGGCTTCCGGATTCTTTTGTAGCCAGTAATAGGAAAGAAAT  
GCTATTTGTTTTGTGGA ACTTGGGA ACTTTTTAGAAA ACCATCGAACGAAAAACG

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GCGGGGCGTGCGGGTACGGCAACCTGTACAGCCAGGGCTACGGTACGAACACGG  
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GATCCGGTGCCTGAACGACGGGAAGTGGTGCCTGGGCGGCTCCATCGTCGTCACC  
GCCACCAACTTCTGCCCCGCCAACCAACGCCCTCCCCAACCAACGCCGGCGGGTGGT  
GCAACCCGCCCAACACCACTTCGACCTCTCCAGCCCGTCTTCCAGCACATTGC  
CCAGTACCGCGCCGGCATCGTCCCCGTTGCGTACCGGAGGGTGCCGTGCCGGAGG  
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TCACCAACGTCGGCGGGCGCCGGCGACGTCCACTCGGTCCCGTGAAGGGTTCGCG  
GACCGGGTGGCAGACCATGTCCCGAACTGGGGCCAGAAGTGGCAGAGCAACGC  
CAACCTCAACGGCCAGTCCCTCTCCTTCAAGGTCACCACCAGCGACGGCCGCACC  
GTGGTCTCCAACAACGTCGCCCCGCCGGGTGGTCCTTCGGGCAGACCTTCGCCG  
GAGCGCAGTTCGCTGAGGGGCTGCAGAAGGATATATGACCCAGTGGACGGATT  
TAATTAGTACACTAGGTTATATTGAGTACTATATAAGTATAGACATGGTTCGATCC  
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ACCTATCAATGAAGGAA