

## IDENTIFICATION

**Species:** *Eucalyptus grandis*

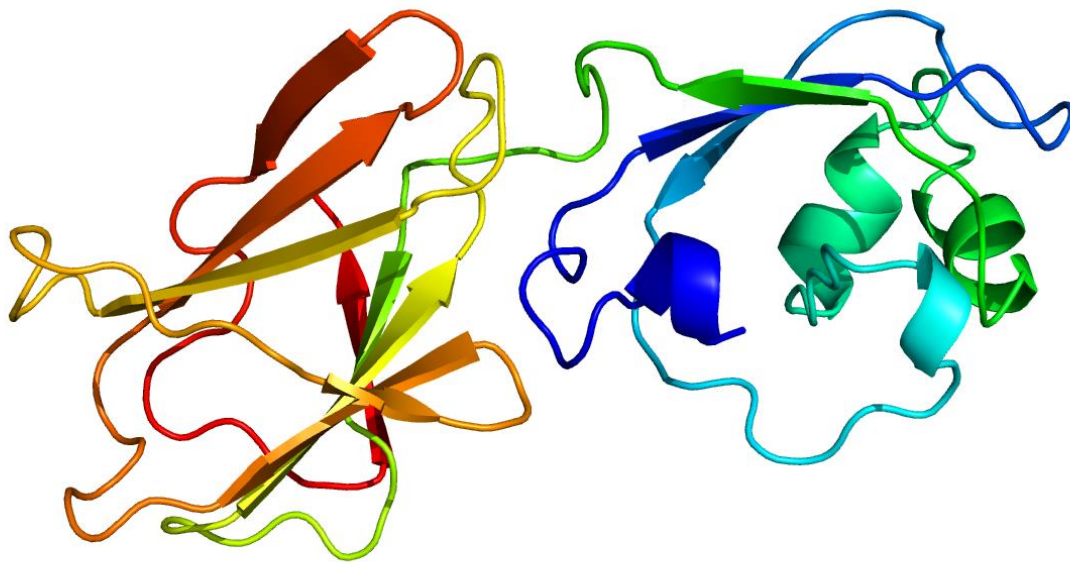
**Locus:** Eucgr.E01616

**Gene Model:** Eucgr.E01616.1.p

**Description:** EgrEXPB-09

**Family:** Beta 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>

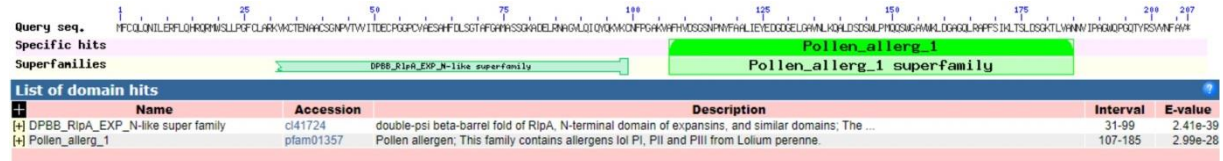
## EXTERNAL RESOURCES

<https://eucgenie.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>EgrEXPB-09

MFCQLQNILERFLQHRQRMWSLLPGFCLARKVKCTENAACSGNPVTVVITDECPGGP  
 CVAESAHFDSLGTAFGAMASSGKADELRNAGVLQIQYQVKCNFPGAKVAFHVDSSG  
 SNPNYFAALIEYEDGDGELGAVNLKQALDSDSWLPMQQSWGAVWKLGDGAGQLRAP  
 FSIKLTSLDSGKTLVANNVIPAGWQPGQTYRSVNVFAV\*

### CDS (coding sequence)

>EgrEXPB-09

ATGTTTTGTCAGCTTCAAATATTCTGGAAAGATTTCTCCAACACAGGCAAAGGA  
 TGTGGAGCTTGTTACCAGGTTTCTGTCTTGCTAGAAAAGTGAAATGCACTGAAAA  
 CGCGGCTTGTTCCGGGAACCCGGTGACGGTTGTTATAACTGATGAATGCCCTGGT  
 GGCCCTTGTGTCGCTGAATCTGCTCACTTCGATTTGAGCGGCACGGCTTTTGGAGC  
 CATGGCGAGCTCCGGCAAGGCCGATGAACTTCGCAATGCTGGGGTGCTGCAAATT  
 CAATACCAAAAAGTAAAGTGCAATTTCCCCGGCGCGAAGGTGGCATTCCACGTTG  
 ACTCCGGCTCGAACCCCAACTATTTGCTGCGCTAATTGAGTACGAGGATGGTGA  
 TGGCGAGCTCGGCGCCGTCAACCTGAAGCAGGCTCTAGACTCTGACTCTTGCTT  
 CCGATGCAACAGTCGTGGGGCGCGGTTTGGAAAGTTGGATGGCGCAGGCCAGCTG  
 CGCGCCCCATTCTCGATCAAGCTCACCTCTCTTGACTCCGGCAAGACCCTGGTTGC  
 CAACAACGTGATCCCCGCTGGGTGGCAGCCCGGACAGACGTACCGGTTCGGTCTGC  
 AACTTTGCTGTCTAA

### Nucleotide

>EgrEXPB-09

ATGTTTTGTCAGCTTCAAATATTCTGGAAAGATTTCTCCAACACAGGCAAAGGA  
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 TTATATTGGTTGACGAAGAAGTGAGAAAGAGATAGAATTATGAGGAAAGTATAA  
 AAAAAAAAAAGTCTTAAATTTACAATTGTGGAATAGAATTCATGAAAACATCTACT  
 GCGGCACGCTTTCTAGACTCCCATTAACGTTAGTTTAAATTCTTCGTATTTAATA  
 GATTATTTGACTCGGTACATATTGTCCTATTGAAACAGATTATTTAGTAGTAGTAA  
 GGAAGTGCAGTCTTTTGGAGCTCTTGTTGATTAATTTTCAGGTGAAATGCACTGAA  
 AACGCGGCTTGTTCCGGGAACCCGGTGACGGTTGTTATAACTGATGAATGCCCTG  
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 GCCATGGCGAGCTCCGGCAAGGCCGATGAACTTCGCAATGCTGGGGTGCTGCAA

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AAGTGCTTTAAATTAACGAGAACTTTGCTTTCACCAGACTTATACTAATCAGCA  
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GCAGAGTAAAGTGCAATTTCCCCGGCGCGAAGGTGGCATTCCACGTTGACTCCGG  
CTCGAACCCCAACTATTTGCTGCGCTAATTGAGTACGAGGATGGTGTGATGGCGAG  
CTCGGCGCCGTCAACCTGAAGCAGGCTCTAGACTCTGACTCTTGGCTTCCGATGC  
AACAGTCGTGGGGCGCGGTTTGGAAGTTGGATGGCGCAGGCCAGCTGCGCGCCC  
CATTCTCGATCAAGCTCACCTCTCTTGACTCCGGCAAGACCCTGGTTGCCAACAA  
CGTGATCCCCGCTGGGTGGCAGCCCGGACAGACGTACCGGTCCGGTCGTCAACTTT  
GCTGTCTAA