

IDENTIFICATION

Species: *Eucalyptus grandis*

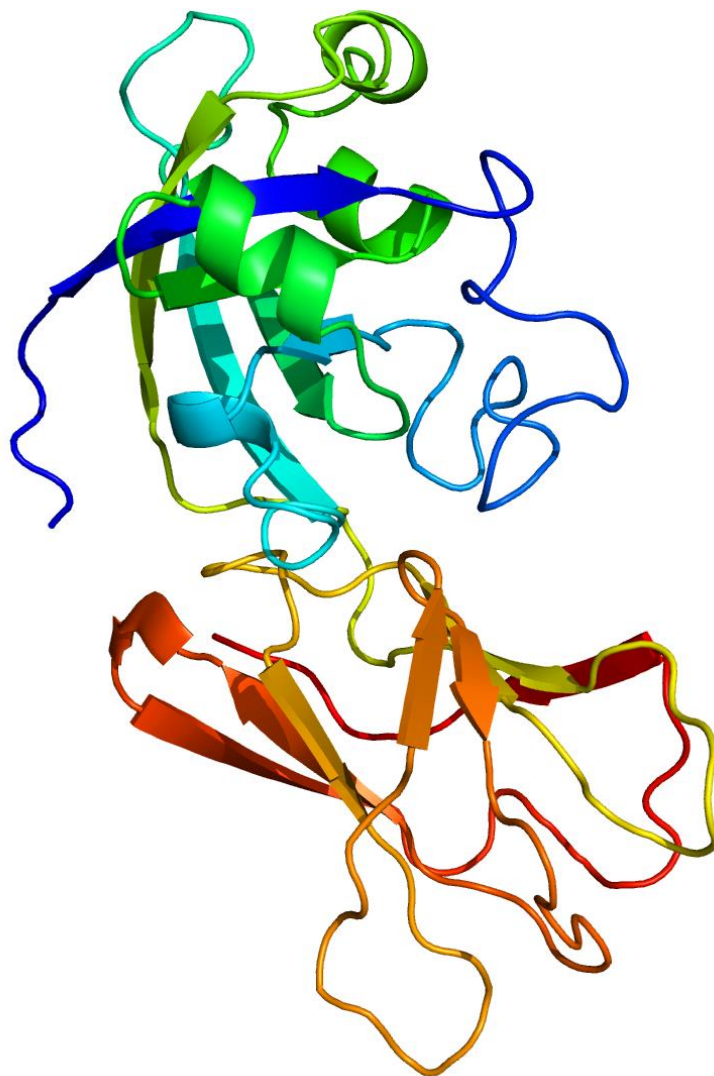
Locus: Eucgr.A01806

Gene Model: Eucgr.A01806.1.p

Description: EgrEXPB-01

Family: Beta Expansin

3D structure:



GENOME DATABASES

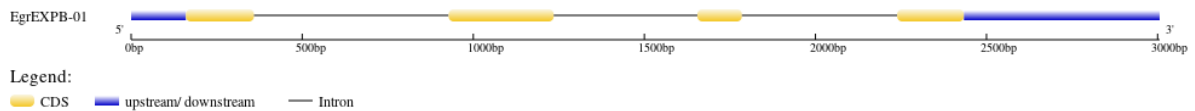
Phytozome: https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0

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

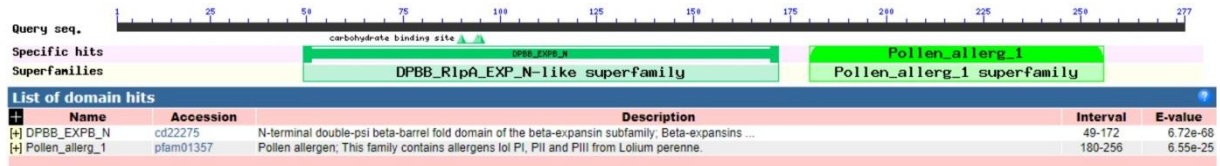
EXTERNAL RESOURCES

<https://eucgenie.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPB-01

MQQRRRGSPSSSSSTAALLLGRLLVLLVGAATTSASAQVKKRVPNARWKPATATW
 YGSPDGDGSDGGACGYGSMVDVRPLRARVGA VSPVLFKNGEGCGACYKVKCLDRG
 ICSRRAVTIIVTDECPGGYCSGGNTHFDLSGA AFRMAIAGEAGPLRNRGVLPVQYRR
 TPCYKPGKNIAFHVNEGSTDYWLSLLVVFEDGDGDVGS MHIRPASSSEWIEMKHLW
 GANWCIIGGPLQGPFSVKLTSLSNRTLSARDVIPGNWSPKATYTSRLNFF*

CDS (coding sequence)

>EgrEXPB-01

ATGCAGCAGCGCCGCCGCGGGCTCCCCCTCCTCCTCCTCCTCCACCGCCGCCCTGCT
 CCTCGGCCGGCTCTGGCTCCTGCTGGTGGTGGGGGCGGCGACGACGAGTGCGTCC
 GCGCAGGTGAAGAAGCGAGTGCCCAACGCGCGGTGGAAGCCCGCCACGGCCACC
 TGGTACGGCAGCCCCGACGGCGACGGCAGCGATGGTGGGGCGTGCGGGTACGGG
 TCGATGGTGGACGTGAGGCCGCTGCGGGCCCGGGTTCGGGGCGGTGAGCCCGGTG
 CTGTTCAAGAACGGCGAGGGCTGCGGGGCGTGCTACAAGGTGAAGTGCCTGGAC
 CGGGGCATCTGCTCCCGGAGGGCCGTCACCATCATCGTCACCGACGAGTGCCCCG
 GCGGGTACTGCTCCGGAGGGAACACCCACTTCGACCTCAGCGGCCGCCGCTTCGG
 CCGCATGGCGATCGCCGGTGAAGCCGGCCCGCTCCGCAACCGGGGCGTCTCTCCC
 GTCCAGTACCGGAGGACGCCGTGCAAGTATCCAGGCAAGAACATAGCCTTCCAC
 GTGAATGAGGGGTCCACGGACTACTGGCTCTCGCTCTTGGTCGTATTCGAGGATG
 GAGATGGCGACGTGGGTTCCATGCACATTAGGCCCGCGAGTTCGAGCGAGTGGA
 TAGAGATGAAGCACTTGTGGGGGGCGAACTGGTGCATCATCGGGGGTCTCTGCA
 AGGCCCTTCTCGGTGAAGCTGACCTCATTGTCGACCAACAGAACGCTCTCGGCC
 AGAGACGTGATCCCGGGGAACTGGTCTCCCAAAGCCACTTACACTTCTCGCCTCA
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Nucleotide

>EgrEXPB-01

CGACTGCAGCGCTACAGAGCAGCCTACAGAGCTACGCGCCCTCGCTGTAAAAG
 TGTCGGCGAGCGCCTTTTCGAGGCTTCTCTTCTCCCTTTGCCCCCCCCGTCCTTCC
 TCTCTTAACCGTCCCTCGGTTTCTCCGCGCGACCTTGTGGCGGGAACAATGCAGC
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AATTTAATTGTCGAGTTACTTGCAGAATCGGAGTGATGCATTCGTGGCTATCTAC
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