

IDENTIFICATION

Species: *Eucalyptus grandis*

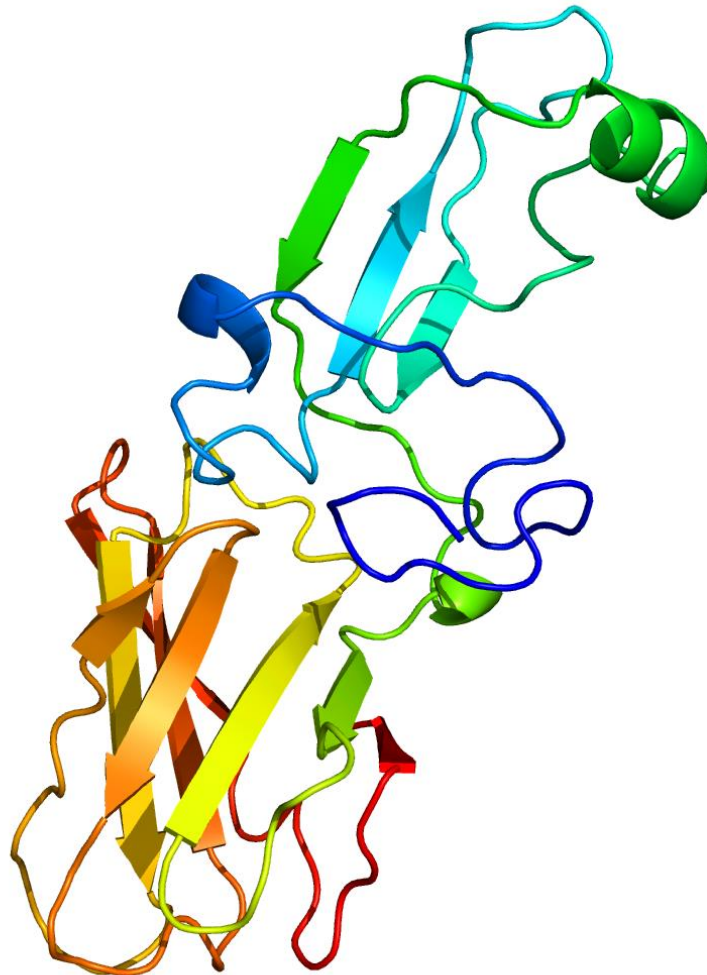
Locus: Eucgr.E01626

Gene Model: Eucgr.E01626.1.p

Description: EgrEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

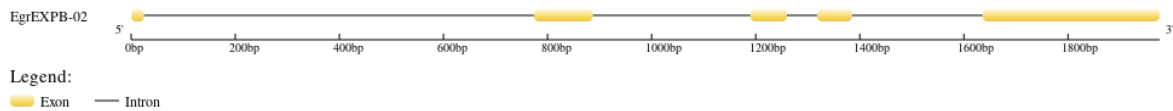
Phytozome: https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0

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

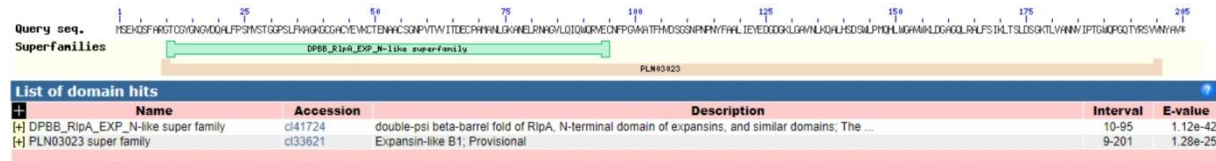
EXTERNAL RESOURCES

<https://eucgenie.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPB-02

MSEKQSFARGTTCGYGNGVDQALFPSMVSTGGPSLFKAGKGCACGYEVKCTENAACS
GNPVTVVITDECPAMANLGTKANELRNAGVLQIQWQRVECNFPGVKATFHVDSGSNP
NPNYFAALIEYEDGDGKLGAVNLKQALHSDSWLPMQHLWGAVWKLDDGAGQLRAL
FSIKLTSLDSGKTLVANNVIPTGWQPGQTYRSVVNYAV*

CDS (coding sequence)

>EgrEXPB-02

ATGAGTGAGAAACAATCGTTTGCTCGTGGTACATGTGGGTATGGGAATGGGGTTCG
ACCAAGCTCTGTTCCCTTCAATGGTGTCCACAGGAGGGCCTTCTCTTTTCAAAGCC
GGGAAAGGATGTGGAGCTTGTACGAGGTGAAATGCACCGAAAATGCGGCTTGC
TCCGGGAACCCGGTGACGGTCGTTATAACTGATGAATGCCCTGCCATGGCGAACC
TCGGCAAGGCCAATGAACTTCGCAATGCCGGGGTGTGCTGCAGATTCAATGGCAA
GAGTAGAGTGCAATTTCCCTGGCGTGAAGGCGACCTTCCACGTGGACTCCGGCTC
CAACCCCAACCCCAACTATTCGCTGCGCTAATTGAGTACGAGGACGGGGACGGT
AAGCTTGGCGCCGTCAACCTGAAGCAGGCTCTACACTCTGACTCTTGGCTTCCGA
TGCAACATTTGTGGGGTGC GGTTTGAAGTTGGACGGCGCGGGCCAGCTTCGCGC
CCTGTTCTCAATCAAGCTCACCTCTCTGACTCCGGCAAGACTCTGGTTGCCAACA
ACGTGATCCCCACCGGGTGGCAGCCCGGACAGACATACCGATCAGTCGTCAACTA
TGCTGTCTGA

Nucleotide

>EgrEXPB-02

ATGAGTGAGAAACAATCGTTTGCTCGTAAGTCATGAATGATCGATTTTGGTCCCT
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CGGAGAAATTTTGCCACGGAGAAAGTTAATATATGTTTCACGAGATACGCTTTTCC
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GGTGCATATTGTCCTATTCAAACATATTATTAAGTAGTAGTTAGGAAGTGCAGTC
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TCGCTGAATCTGCTCACTTCGATTTGAGGGGCACGGCTTTTGGAGCCATGGCGAA
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CAGGCTCTACACTCTGACTCTTGGCTTCCGATGCAACATTTGTGGGGTGC GGTTTTG
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