

IDENTIFICATION

Species: *Eucalyptus grandis*

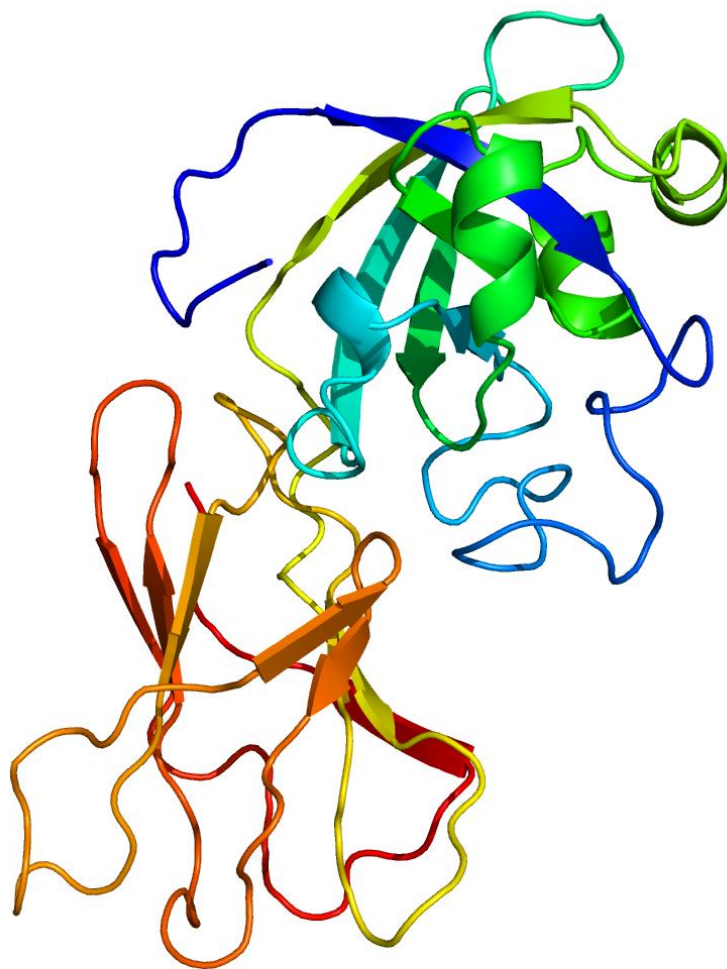
Locus: Eucgr.E01615

Gene Model: Eucgr.E01615.1.p

Description: EgrEXPB-10

Family: Beta Expansin

3D structure:



GENOME DATABASES

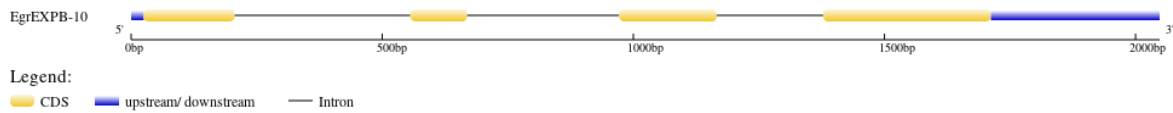
Phytozome: https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0

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

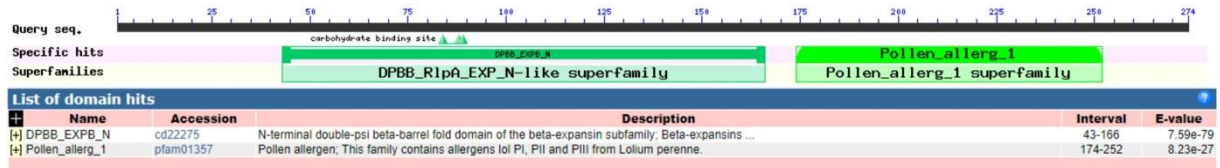
EXTERNAL RESOURCES

<https://eucgenie.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPB-10

MALLQSPSICFPLALLLSLLINSSHCFNPKSLNISKVQSNGDWSPAGATWYGSPNGAG
SDGGACGYGSGVDQAPFSSMVSAGGPSLFKSGKGCACGYQVKTENAACSGNPVTV
VITDECPGGPCVAESAHFDSLGTAFGAMASSGKADELNRNAGVLQIQYQKVKCNFPGA
KVAFHVDSGSPNYFAALIEYEDGDGELGAVNLKQALDSDSWLPMQQSWGAVWKL
DGAGQLRAPFSIKLTSLSGKTLVANNVIPAGWQPGQTYRSVVNFAV*

CDS (coding sequence)

>EgrEXPB-10

ATGGCGCTTCTTCAATCTCCATCGATTTGCTTCCCTCTCGCCCTTCTCCTTTCTCTC
CTCATAAACTCGTCTCACTGCTTCAACCCCAAATCGCTTAACATCTCGAAAGTTCA
GTCCAACGGTGATTGGTCGCCGGCAGGTGCGACGTGGTACGGGAGTCCGAACGG
CGCTGGAAGCGATGGTGGCGCATGTGGGTATGGGAGTGGGGTTCGACCAAGCTCC
ATTCTCTTCAATGGTGTCCGCAGGAGGGCCTTCTCTTTTCAAATCAGGCAAAGGA
TGTGGAGCTTGTTACCAGGTGAAATGCACTGAAAATGCGGCTTGTTCCGGGAACC
CGGTGACGGTCGTTATAACTGACGAATGCCCTGGTGGCCCTTGTTGTCGCTGAATC
TGCTCACTTCGATTTGAGCGGCACGGCTTTTGGAGCCATGGCGAGCTCCGGCAAG
GCCGATGAACTTCGCAACGCTGGGGTGTGCAAATTC AATACCAAAAAGTAAAG
TGCAATTTCCCGCGCGCAAGGTGGCGTTCCACGTTGACTCCGGCTCGAACCCCA
ACTATTTGCTGCGCTAATTGAGTACGAGGATGGGGATGGCGAGCTCGGCGCCGT
CAACCTGAAGCAGGCTCTAGACTCTGACTCTTGGCTTCCGATGCAACAGTCGTGG
GGCGCGGTTTGAAGTTGGATGGCGCAGGCCAGCTGCGCGCTCCATTCTCGATCA
AGCTCACCTCTTACTCCGGCAAGACCCTGGTTGCCAACAACGTGATCCCCGC
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Nucleotide

>EgrEXPB-10

CTGACCAAAGTGTCTCGAGAATCACATGGCGCTTCTTCAATCTCCATCGATTTGCT
TCCCTCTCGCCCTTCTCCTTTCTCTCCTCATAAACTCGTCTCACTGCTTCAACCCCA
AATCGCTTAACATCTCGAAAGTTCAGTCCAACGGTGATTGGTCGCCGGCAGGTGC
GACGTGGTACGGGAGTCCGAACGGCGCTGGAAGCGATGGTAATGGAATGACATT
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ACATACATATATAATATATTATATATAATATGCTTTGTATGATATTTTGTACGTAG
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CAGGTTTCTCTCTTGCTAGAAAAGTGTTTCTCGAATTATTTTTATATTCGCCGTCAT
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TAGACTTCCATTAAGTAGTTTGAATCTTCGTATTTAAATAGATTATTTGACTC
GGTACATATTGTCCTATTCAAACAAATTATTAAGTAGTAGTTAGGAAGTGCAGTC
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