

IDENTIFICATION

Species: *Eucalyptus grandis*

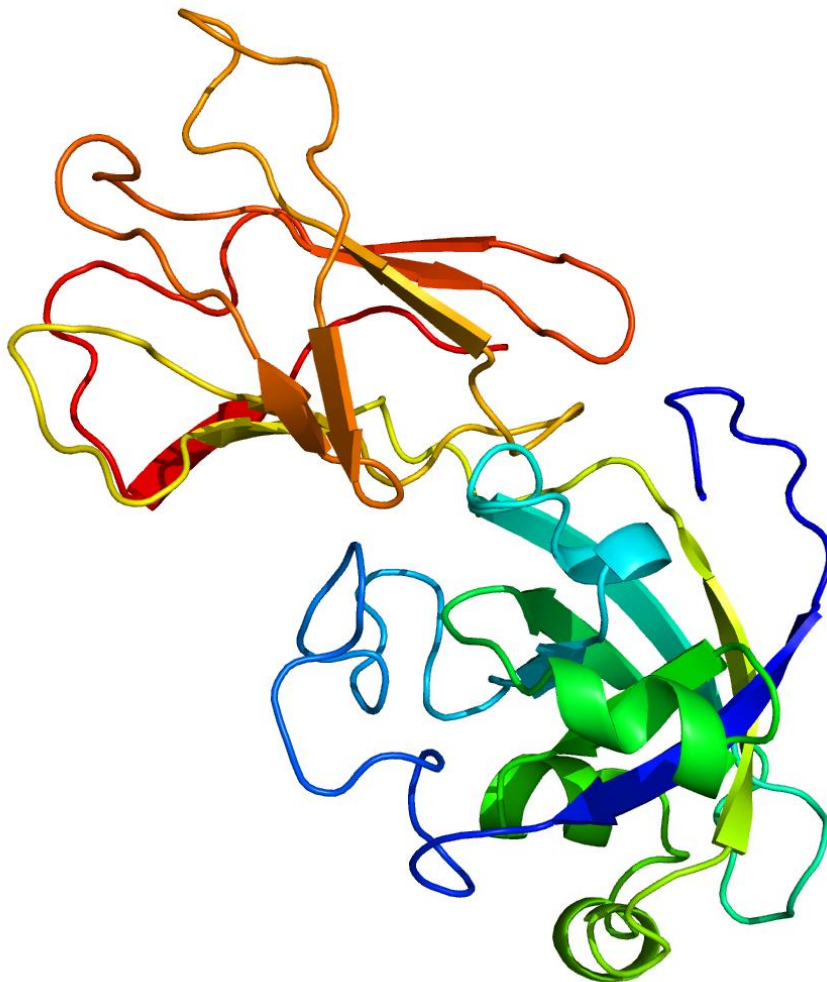
Locus: Eucgr.E01620

Gene Model: Eucgr.E01620.2.p

Description: EgrEXPB-07

Family: Beta Expansin

3D structure:



GENOME DATABASES

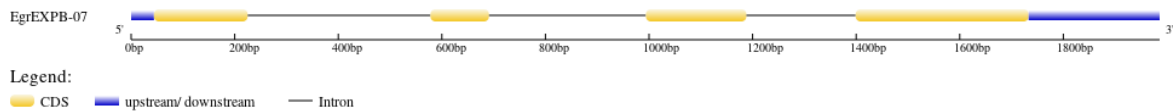
Phytozome: https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0

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

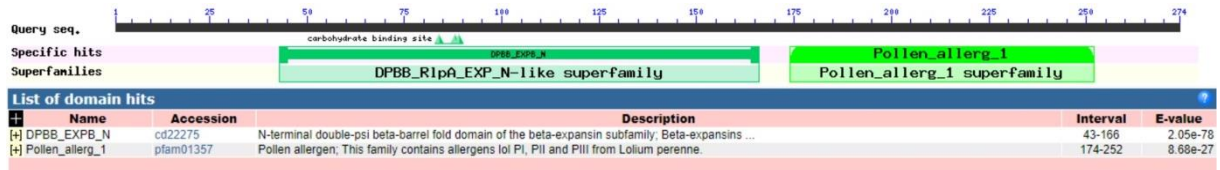
EXTERNAL RESOURCES

<https://eucgenie.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPB-07

MALLQSPSICFPLALLLSLLINSSHCFNPKSLNISKVQSNGDWSPAGATWYGSPNGAG
SDGGACGYGSGVAQAPFSSMVSAGGPSLFKSGKGCACGYQVKTENAACSGNPVTV
VITDECPGGPCVAESAHFDSLGTAFGAMASSGKADELNRNAGVQLQIQYQKVKCNFPGA
KVAFHVDSGSPNYFAALIEYEDGDGELGAVNLKQALDSDSWLPMQQSWGAVWKL
DGAGQLRAPFSIKLTSLSGKTLVANNVIPAGWQPGQTYRSVVNFAV*

CDS (coding sequence)

>EgrEXPB-07

ATGGCGCTTCTTCAATCTCCATCGATTTGCTTCCCTCTCGCCCTTCTCCTTTCTCTC
CTCATAAACTCGTCTCACTGCTTCAACCCCAAATCGCTTAACATCTCGAAAGTTCA
GTCCAACGGTGATTGGTCGCCGGCAGGTGCGACGTGGTACGGGAGTCCCAACGG
CGCTGGAAGCGATGGTGGTGCATGTGGGTATGGGAGTGGGGTCGCCCAAGCTCC
ATTCTTTCAATGGTGTCCGCAGGAGGGCCTTCTCTTTTCAAATCAGGCAAAGGA
TGTGGAGCTTGTACCAGGTGAAATGTACTGAAAACGCGGCTTGTTCGGGAACC
CGGTGACGGTTGTTATAACTGATGAATGCCCTGGTGGCCCTTGTGTCGCTGAATCT
GCTCACTTCGATTTGAGCGGCACGGCTTTTGGAGCCATGGCGAGCTCCGGCAAGG
CCGATGAACTTCGCAACGCTGGGGTGCTGCAAATTCAATACCAAAAAGTAAAGT
GCAATTTCCCGGCGCGAAGGTGGCATTCCACGTTGACTCCGGCTCGAACCCCAA
CTATTTGCTGCGCTAATTGAGTACGAGGATGGTGTGATGGCGAGCTCGGCGCCGTC
AACCTGAAGCAGGCTCTAGACTCTGACTCTTGGCTTCCGATGCAACAGTCGTGGG
GCGCGGTTTGGAAAGTTGGATGGCGCAGGCCAGCTGCGCGCCCCATTCTCGATCAA
GCTCACTTCTTCTGACTCCGGCAAGACCCTGGTTGCCAACACGTGATCCCCGCT
GGGTGGCAGCCCGGACAGACGTACCGGTGGTTCGTCACACTTTGCTGTCTAA

Nucleotide

>EgrEXPB-07

AGTGCAAGAAATCAAACCTCCTGACCAAAGTGTCTCGAGAATCACATGGCGCTTCT
TCAATCTCCATCGATTTGCTTCCCTCTCGCCCTTCTCCTTTCTCTCCTCATAAACTC
GTCTCACTGCTTCAACCCCAAATCGCTTAACATCTCGAAAGTTCAGTCCAACGGT
GATTGGTCGCCGGCAGGTGCGACGTGGTACGGGAGTCCCAACGGCGCTGGAAGC
GATGGTAATGGAATGACAATATATTTTTATTTGGTTCGATTCACCTGGAGTAAAGA

TCTTTTTACGCAAGCGCCGTTGGTCTCATCACACGCCTTTCAGTAATTGACTTATC
AAGTCTTTCGAGTATAAATCGGTTTCGGACATATGAGTTGCTTAGGTCAATCACCT
AATCGTGATTGATTTTTGGCTTTGTACCAAACACATGTAGACTTAGAGGTCAAAC
GGAATCAAGTACAACGCTAGACAATACTACTCTAGTAATTACGCATTTACCTGA
TCTGCAAATATACATATATATTTATACATACATATATAATATTTTATATATAATAT
GCTTTGTATGATATTTTGTACGTAGGTGGTGCATGTGGGTATGGGAGTGGGGTCG
CCCAAGCTCCATTCTCTTCAATGGTGTCCGCAGGAGGGCCTTCTCTTTTCAAATCA
GGCAAAGGATGTGGAGCTTGTTACCAGGTTTCTCTCTTGCTAGAAAACGTGTTTCTC
GAATTATTTTTATATTCGCCGTCATCGGAGAAAATTTGCCACGGACAAAGTTAAT
ATATGTTACAGAGATATGCTTTTTCTAAATTAACAATCGTGGAAATAGAATTCATG
AAAACATCTACTTCGGCACGCTTTCTAGACTCCCATTAACGCTAGTTTAAATTCTT
CGTATTTAAATAGATTATTTGACTCGGTACATATTGTCCTATTGAAACAGATTATT
TAGTAGTAGTTAGGAAGTGCAGTCTTTTGAGCTCTTGTTGATTAAATTTCAGGTGA
AATGTACTGAAAACGCGGCTTGTTCCGGGAACCCGGTGACGGTTGTTATAACTGA
TGAATGCCCTGGTGGCCCTTGTTGTCGCTGAATCTGCTCACTTCGATTTGAGCGGCA
CGGCTTTTGGAGCCATGGCGAGCTCCGGCAAGGCCGATGAACTTCGCAACGCTGG
GGTGCTGCAAATTC AATAACAAAAGTCCGTACAGTTGATCCTTTCTCTATGGATCC
TTTCGAGTGAATTCCAATTTTAAACAGTCGCGCAGAGGGAAAAAAGGAAGATAAA
ACGCATTGAAAAGTGCTTTAAATTAACGAGAACTTTGCTTTCACCAGACTTATA
CTAATCAGCAAATGGTCTAACTTGCTTATTA AAAAGTCTATTTATGTGCACATATTT
ACAATGTCAAGCAGAGTAAAGTGCAATTTCCCGGGCGCGAAGGTGGCATTCCAC
GTTGACTCCGGCTCGAACCCCAACTATTTGCTGCGCTAATTGAGTACGAGGATG
GTGATGGCGAGCTCGGCGCCGTCAACCTGAAGCAGGCTCTAGACTCTGACTCTTG
GCTTCCGATGCAACAGTCGTGGGGCGCGGTTTGGAAAGTTGGATGGCGCAGGCCA
GCTGCGCGCCCCATTCTCGATCAAGCTCACTTCTCTTGACTCCGGCAAGACCCTGG
TTGCCAACACGTGATCCCCGCTGGGTGGCAGCCCGGACAGACGTACCGGTCGGT
CGTCAACTTTGCTGTCTAAGGGTTGTGCGTGTTTGGCTTGGGAGACGAAGAAATG
GAGATTGATCGTCAGTTAATTTGGCTCTGTGTGTTTTATGTTATAGGCAAATTA
AATATTGGATGGTGTGGAAAAAGAAAGTATTTTGCTTTTTCCACTCTGTGTAATCT
AGTCAGCTATGAGCTACCTCTTGAAAAGAGAGTAGTAGGGATAAATGAATGAT
ATTGTCCTTTCAAATTAAGAATGATCTGAGTATTTTTGTTCTTTATTTTT