

IDENTIFICATION

Species: *Eucalyptus grandis*

Locus: Eucgr.E01621

Gene Model: Eucgr.E01621.1.p

Description: EgrEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

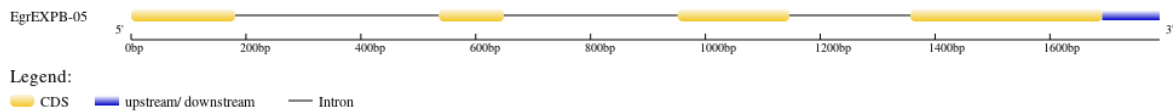
Phytozome: https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0

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

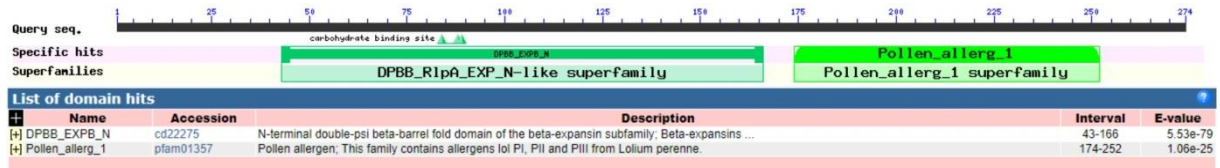
EXTERNAL RESOURCES

<https://eucgenie.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPB-05

MALLQSPSICFPLALLLSLLINSSHCFNPKSLNISKVQSNGDWSPAGATWYGSPDGAG
SDGGACGYGSGVDQAPFSSMVSAGGPSLFKSGKGCACGYKVKCTENAACSGKPVTV
VITDECPGGPCVAESAHFDSLGTAFGAMASSGKADELNRNAGVLRQIQYKVKCKFPGV
EVAFHVDSGSPYFSALEIYANGDGELGSVCLKQALDSDSWHPMQQSWGAVWKL
DGAGQLRAPFSIKLTSLESGLTLVAKHVIPAGWQPGQTYRSVNVFAV*

CDS (coding sequence)

>EgrEXPB-05

ATGGCGCTTCTTCAATCTCCATCGATTTGCTTCCCTCTCGCCCTTCTCCTTTCTCTC
CTCATAAACTCGTCTCACTGCTTCAACCCCAAATCGCTTAACATCTCGAAAGTTCA
GTCCAACGGTGATTGGTCGCCGGCAGGTGCGACGTGGTACGGGAGTCCCGACGG
CGCTGGTAGCGATGGTGGCGCATGTGGGTATGGGAGTGGGGTCGACCAAGCTCC
ATTCTCTTCAATGGTGTCCGCAGGAGGGCCTTCTCTTTTCAAATCAGGCAAAGGA
TGTGGAGCTTGTTACAAGGTGAAATGCACTGAAAATGCGGCTTGTTCTGGGAAGC
CGGTGACGGTCGTTATAACTGATGAATGCCCTGGTGGCCCTTGTTGTTGCTGAATCT
GCTCACTTCGATTTGAGCGGCACGGCTTTTGGAGCCATGGCGAGCTCTGGCAAGG
CCGATGAACTTCGCAACGCTGGGGTGCTGCAAATTCAATACAAAAAAGTAAAGT
GCAAGTTCGCCGGCGTGGAGGTGGCATTCCACGTTGACTCCGGCTCGAACCCCTA
CTATTTCTCTGCGCTAATTGAGTACGCGAATGGGGATGGCGAGCTCGGCTCCGTC
AAACTGAAGCAGGCTCTAGACTCTGACTCTTGGCATCCGATGCAACAGTCGTGGG
GCGCGGTTTGAAGCTGGATGGCGCGGGCCAGCTGCGCGCTCCATTCTCGATCAA
GCTCACCTCTTTGAGTCCGGTAAGACCCTGGTTGCCAAGCACGTGATCCCCGCT
GGGTGGCAGCCCGGACAGACGTACCGGTCCGTCGTCAACTTTGCTGTCTGA

Nucleotide

>EgrEXPB-05

ATGGCGCTTCTTCAATCTCCATCGATTTGCTTCCCTCTCGCCCTTCTCCTTTCTCTC
CTCATAAACTCGTCTCACTGCTTCAACCCCAAATCGCTTAACATCTCGAAAGTTCA
GTCCAACGGTGATTGGTCGCCGGCAGGTGCGACGTGGTACGGGAGTCCCGACGG
CGCTGGTAGCGATGGTAATGGAATGACATTATATTTTTATTTGGTCAATTCACCTG
GAGTAAAGATCTTTTTATGCAAGCGCCGTTGGTCTCATCACACGCCTTTCAGTAAT

TTTGACTTATCTAGTCTTTCGAGTATAAATCGGTTCGGACATATGAGTAGCTTAGG
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TTCACCTGATCTGCAAGTATACATATATATTTATACATACATATATAATATATTAT
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TTCAAATCAGGCAAAGGATGTGGAGCTTGTTACAAGTTTCTCTCTTGTAGAAA
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AAAGTTAATATATGTTTCACGAGATATGCTTTTTCTAAATTAACAATCGTGGAATA
GAATTGATGAAAACATCTACTGCGGCACGCTTCTAGACTACCATTAAGAAGT
TTAAATTCTACGTATTTAAATAGATTATTTGACTCGGTACATATTGTCCTATTGAA
ACAGATTATTTAGTAGTAGTTAGGAAGTGCAGTCTTTTGAGCTCTTGCTGATTA
TTTCAGGTGAAATGCACTGAAAATGCGGCTTGTCTGGGAAGCCGGTGACGGTCCG
TTATAACTGATGAATGCCCTGGTGGCCCTTGTGTTGCTGAATCTGCTCACTTCGAT
TTGAGCGGCACGGCTTTTGGAGCCATGGCGAGCTCTGGCAAGGCCGATGAACTTC
GCAACGCTGGGGTGCTGCAAATTC AATACAAAAGTCCGTACGGTTGATCCTTTC
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GGAAGATAAAACGCATTGAAAAGTGCTTTAAATTAACGAGAACTTTGCTTTCAC
CAGACTTATACTAATCAGCAAATAGTCTAACTTGCTTATTAAGAAGTCTATTTATGT
GCACATATTTACAATGTCAATCAGAGTAAAGTGCAAGTTC CCGGCGTGGAGGTG
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CGCGAATGGGGATGGCGAGCTCGGCTCCGTCAAACCTGAAGCAGGCTCTAGACTCT
GACTCTTGGCATCCGATGCAACAGTCGTGGGGCGCGGTTTGGAAAGCTGGATGGCG
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GACCCTGGTTGCCAAGCACGTGATCCCCGCTGGGTGGCAGCCCGGACAGACGTAC
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CAAAAATAAAATATAGG