

IDENTIFICATION

Species: *Eucalyptus grandis*

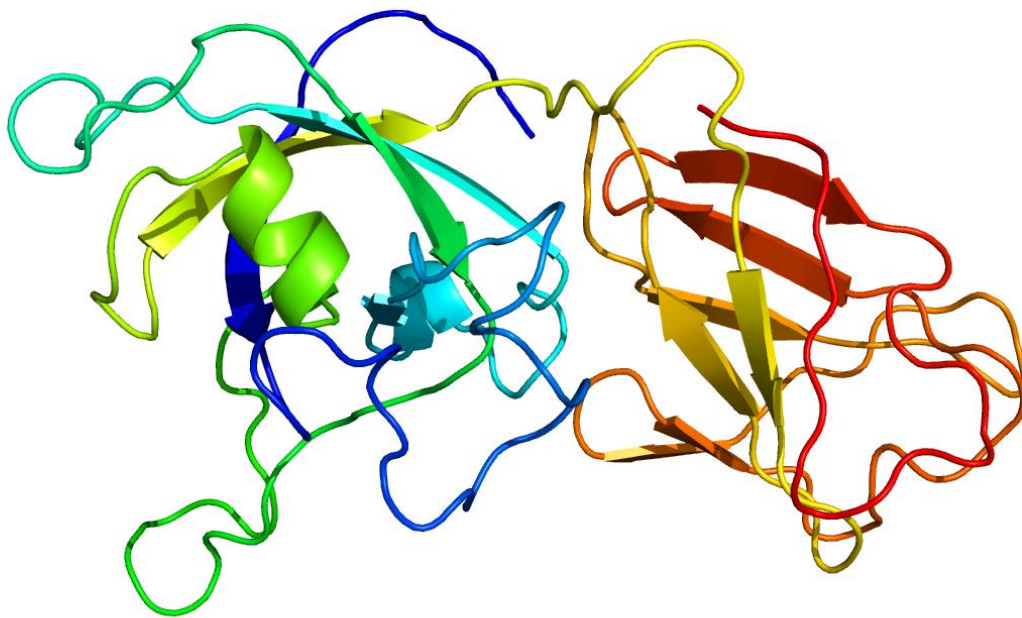
Locus: Eucgr.B02355

Gene Model: Eucgr.B02355.1.p

Description: EgrEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

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

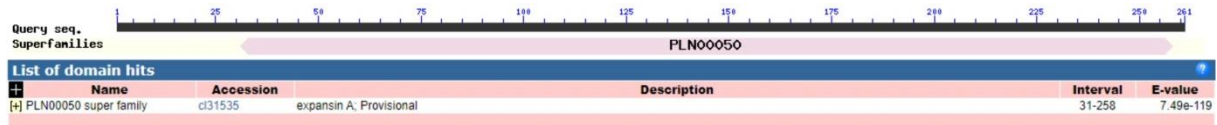
EXTERNAL RESOURCES

<https://eucgenie.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPA-06

MTRASVVFAASLISFSLMWLADARIPGVYSGGPWQTAHATFYGGSDASGTMGGACG
YGNLYSQGYGVNTAALSTALFNGLSCGACFEIKCANDPTWCHSGSPSIFVTATNFCP
PNFAQPSDNGGWCNPPRPHFDLAMPFLKIAEYRAGIVPVSFRRVPCRKRGGMRFTI
NGFRYFNLVLISNVAGAGDIVRVSVKGARTGWMSMSRNWQNWQSNVLAGQAL
SFRVTASDRRSSTSWNMVPAGWQFGQFTTGKNFRV*

CDS (coding sequence)

>EgrEXPA-06

ATGACTCGAGCAAGCGTGGTGTTCGAGCCTCCCTCATCTCATTCTCCCTAATGTG
GCTCGCCGACGCCAGGATCCCCGGCGTCTACTCCGGCGGCCCTGGCAGACCGCC
CACGCCACCTTCTACGGCGGCTCCGACGCCTCCGGCACCATGGGTGGGGCCTGCG
GGTACGGGAACCTGTACAGCCAGGGCTACGGCGTGAACACGGCGGCGCTGAGCA
CGGCGCTGTTCAACAACGGGCTGAGCTGCGGGGCGTGCTTCGAGATCAAGTGCGC
GAACGACCCACGTGGTGCCACTCCGGCAGCCCCCTCCATCTTCGTCACCGCCACC
AACTTCTGCCCCCGAACTTCGCCCAACCCAGCGACAACGGCGGCTGGTGCAACC
CTCCCCGCCCCACTTCGACCTCGCCATGCCATGTTCTCAAGATCGCCGAGTAC
CGCGCCGGCATCGTCCCCGTCTTTCCGCCGGGTGCCGTGCCGGAAGCGAGGCG
GGATGAGGTTACCATCAACGGGTTCGGTACTTCAACCTGGTGCTGATCTCGAA
CGTGGCGGGGGCCGGGACATCGTGCGGGTGAGCGTGAAGGGGGCGAGGACCG
GGTGGATGAGCATGAGCCGCAACTGGGGCCAGAACTGGCAGTCCAACGCCGTGC
TGGCCGGCCAGGCGCTCTCCTTCCGCGTCACCGCCAGCGACCGGCGCTCCTCCAC
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Nucleotide

>EgrEXPA-06

CTTCACCTTCGCCCATCCACTTCTTCTCTCTCTCTGTGCGCTTGTGAAACGAGC
ATTTTGCTAGCGAGCGAGGAAGAGAGAAATGACTCGAGCAAGCGTGGTGTTCG
AGCCTCCCTCATCTCATTCTCCCTAATGTGGCTCGCCGACGCCAGGATCCCCGGCG
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CGCCTCCGGCACCATGGGTAAACACTAACCCTCCCTACAAACCCTTCCCGCCTC
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TGTGTCGAGACGCACCATCGTAATGCCCGTGACACTTTCTTTAGGGAAAGGGATG
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GTCTAATGCTGCAATGTCTGTCCCATCCCAGGTGTTTCGCACACCTTCGATGCAAC