IDENTIFICATION

Species: *Eucalyptus grandis*

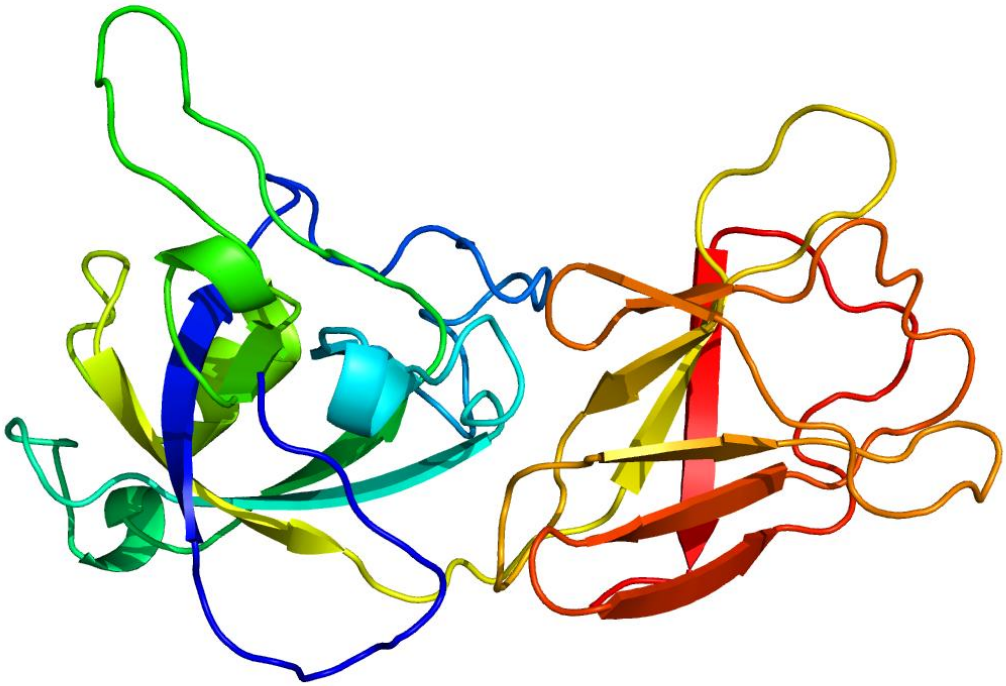
Locus: Eucgr.K02434

Gene Model: Eucgr.K02434.1.p

Description: EgrEXPA-24

Family: Alpha Expansin

3D structure:



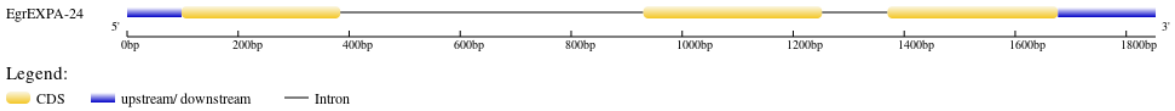
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0
KEGG: https://www.genome.jp/entry/T03547

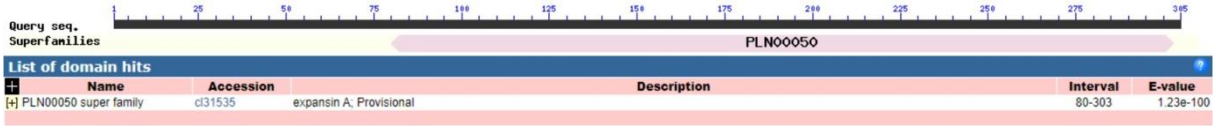
EXTERNAL RESOURCES

https://eucgenie.org/

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPA-24

MALPLKALFASLLAIASTLSDLRVATAAVAHHRSSSWRHAAHRVAGNRMHYHHPRR
AHVHSGNHHSPAKHNRPKFAPGPWKQAHATFYEGGSGTFGGACGYQDVVQQGYG
YQTTAVSTAMFNNGQTCGACYEVKCVDNPQWCQLGQPSLFVTATDLCPPNYNLPSD
NGGWCNSPREHFDLAKPVFTTLAKDYTAGIVPVQYRRVPCRKQGGVRFTITGNPYFN
LVLVSNVGGAGEVVSVQVKGDKVPWTTMQRNWGQKWETNAMLVGQSLTFRVRAS
DGRFTTAWHVAPPNWQFGQTFEGKNFK*

CDS (coding sequence)

>EgrEXPA-24

ATGGCATTGCCTTTGAAAGCCCTCTTTGCCTCACTGCTTGCCATTGCCTCGACGTT
GTCCGATCTTCGCGTTGCGACTGCCGCAGTCGCTCATCATCGTTCCTCCTCGTGGC
GACATGCCGCTCACCGTGTGGCTGGAAACAGAATGCATTACCACCATCCCCGGAG
GGCTCATGTCCATTCCGGAAACCACCACTCTCCCGCTAAGCATAACCGGCCCAAG
TTCGCGCCAGGCCCTTGGAAGCAGGCTCATGCCACCTTTTATGAGGGGGGCTCCG
GTACATTTGGAGGAGCCTGCGGTTATCAGGACGTGGTGCAGCAAGGCTACGGCTA
TCAGACGACGGCGGTGAGCACGGCAATGTTCAACAACGGGCAGACGTGTGGGGC
GTGCTACGAGGTGAAGTGCGTCGACAACCCTCAGTGGTGCCAGCTTGGCCAGCCT
TCCCTCTTCGTCACGGCCACCGACCTCTGCCCTCCCAACTACAACCTGCCCAGCGA
CAACGGTGGATGGTGCAACTCGCCCCGCGAGCACTTTGACCTCGCCAAGCCCGTT
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Nucleotide

>EgrEXPA-24

TTTTAACTTGTTTATTTTTTTTTCCAAAAGGAGAGACAAAACTTGCAAAGGTCGTG
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GAAAGCCCTCTTTGCCTCACTGCTTGCCATTGCCTCGACGTTGTCCGATCTTCGCG
TTGCGACTGCCGCAGTCGCTCATCATCGTTCCTCCTCGTGGCGACATGCCGCTCAC

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CCGGAAACCACCACTCTCCCGCTAAGCATAACCGGCCCAAGTTCGCGCCAGGCCC
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CATGCAGCTTGGTTTTTTAAGGAACCAGGAAATACAAGCACGATCAAATAGATTA
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AAGAGTTTACATGTTTGCGTCCTTAAGTTGTGTAACTATCAAGAAAATTCAGGGG
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