

IDENTIFICATION

Species: *Eucalyptus grandis*

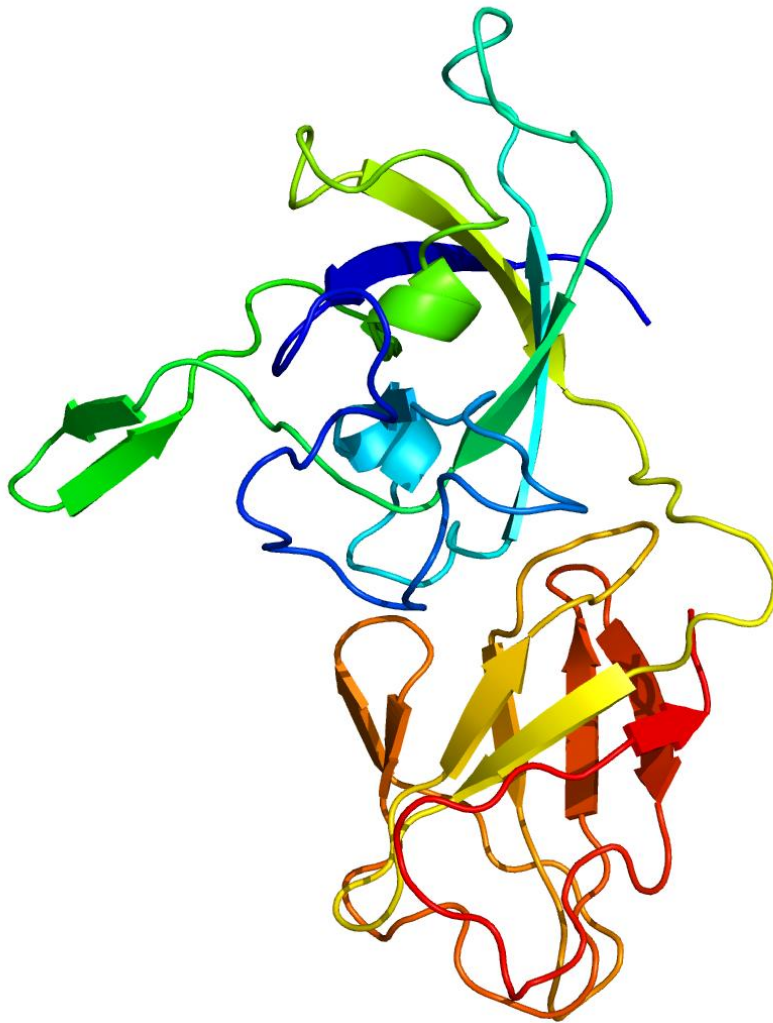
Locus: Eucgr.J00120

Gene Model: Eucgr.J00120.1.p

Description: EgrEXPA-21

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>

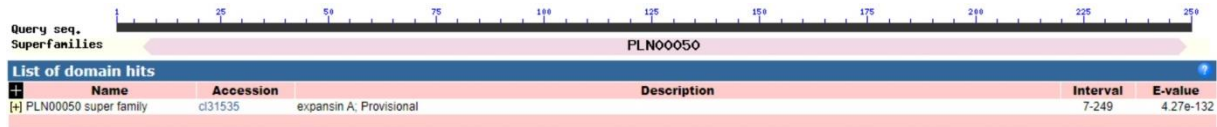
EXTERNAL RESOURCES

<https://eucgenie.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPA-21

MANFAAISAVLVFLCLKSAFGDYGGWEGGHATFYGGGDASGTMGGACGYGNLYS
QGYGTNTAALSTALFNGLSCGACYEMRCNDDPRWCLPGTIMVTATNFCPPNLALS
NDNGGWCNPLQHFDMAEPAFLQIAQYKAGIVPVSFRRVPCVKKGGVRFTINGHSYF
NLVLITNVGGAGDVHSVSIKGSRTGWQAMSRNWGQNWQSNAYMNGQALS FQVTT S
DGRTVTSYNAAPANWQFGQTFEGSQF*

CDS (coding sequence)

>EgrEXPA-21

ATGGCTAATTTTGCAGCAATCTCGGCTGTTGCTCTTGTGTTCTGTGTCTCAAAG
TGCTTTTGGGGATTATGGAGGCTGGGAAGGCGGTCATGCCACATTTTATGGGGGT
GGCGATGCATCTGGCACAATGGGAGGTGCTTGTGGGTATGGCAACCTGTACAGCC
AAGGCTATGGCACCAACACTGCAGCTTTGAGCACTGCCCTGTTCAACAATGGCCT
GAGCTGCGGGGCATGTTACGAGATGCGGTGCAACGACGACCCAGGTGGTGCCT
CCCGGGGACCATCATGGTCACGGCAACCAACTTTTGCCCTCCCAACTTGGCCCTC
TCCAACGACAATGGCGGCTGGTGCAACCCCCCTCTCCAGCACTTCGATATGGCCG
AGCCTGCTTTCTTGCAGATTGCCCAGTACAAAGCTGGGATTGTCCCGGTTTCCTTC
AGAAGGGTTCCGTGTGTGAAGAAAGGAGGGGTAAGGTTCAACATCAATGGGCAC
TCCTACTTCAACTTGGTGCTGATCACCAACGTGGGAGGTGCTGGTGATGTCCATTC
CGTTTCCATCAAGGGCTCAAGGACCGGTTGGCAAGCCATGTCAAGGAAGTGGGG
ACAGAAGTGGCAGAGCAACGCCTACATGAACGGCCAGGCTCTCTCCTTCCAGGTG
ACCACGAGCGACGGGAGGACGGTGACCAGCTACAACGCCGCACCGGCCAATTGG
CAGTTTGGACAGACATTTGAAGGGTCTCAATTCTAA

Nucleotide

>EgrEXPA-21

GCATCAAGCACCAAACTAACCAGCAAACGCTTTCATCTCCTCTCCTCCCTCAA
TCTCTGTCTTTCTACTGCTATATTCTTTTTTAGCAAAGCCAAGCCACATCAGAAAA
AAGAAGCAAGAATGGCTAATTTTGCAGCAATCTCGGCTGTTGCTCTTGTGTTCT
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ATTTGTCGCCAATTGGGCTTTCAAGTTTCAACATTAAGTCCACAAAATCTCCAAT
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CGCCTACATGAACGGCCAGGCTCTCTCCTTCCAGGTGACCACGAGCGACGGGAGG
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GCCCTC