IDENTIFICATION

Species: *Eucalyptus grandis*

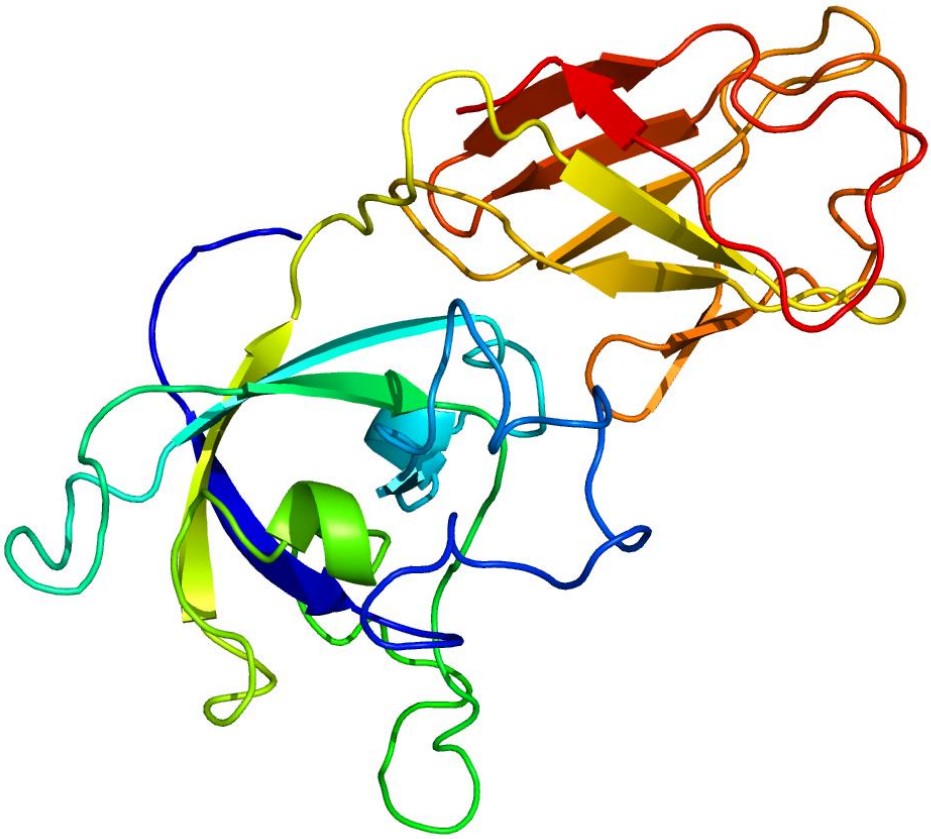
Locus: Eucgr.J01729

Gene Model: Eucgr.J01729.1.p

Description: EgrEXPA-22

Family: Alpha Expansin

3D structure:



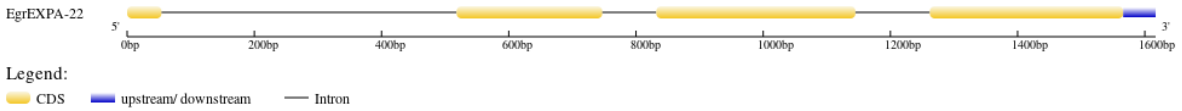
GENOME DATABASES

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

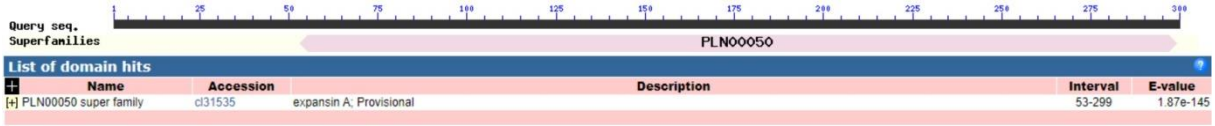
EXTERNAL RESOURCES

https://eucgenie.org/

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXPA-22

MKMLLMQLKGDFVGQVEQALSLRSSKLFPLSISLSLSPSVILGCKFLLQKPEMGSLGF
TIVAFLTLLKTVQSDGSGWTSAHATFYGGSDASGTMGGACGYGNLISQGYGTNTAA
LSTALFNNGQSCGACYEIQCVSDNQWCLSGSITITATNFCPPNPSLPNDNGGWCNPPL
EHFDLAEPVFQQIAQYKAGIVPVQYRRVACARKGGIRFTVNGHSYFNLVLITNVGGS
GDVVSASIKGSNTGWQAMSRNWGQNWQSNSYLNGQALSFKVTTSDGRVSVSNAAA
PPNWSFGQTFSGSQF*

CDS (coding sequence)

>EgrEXPA-22

ATGAAGATGCTGCTCATGCAATTAAAAGGTGACTTTGTTGGGCAAGTTGAGCAAG
CTCTTTCACTCAGAAGTTCCAAGCTGTTCCCTCTCTCCATCTCTCTCTCCCTCTCTC
CCTCTGTCATCTTGGGCTGCAAATTCTTGCTGCAAAAGCCAGAAATGGGTTCTCTC
GGATTCACCATTGTGGCCTTCCTGACATTGCTGAAGACAGTCCAGAGCGATGGGA
GCGGATGGACCTCTGCCCACGCCACTTTCTATGGGGGCAGTGATGCTTCTGGAAC
AATGGGTGGGGCTTGCGGGTATGGGAATCTGATTAGCCAGGGGTACGGCACCAA
CACGGCCGCCCTGAGCACCGCCCTGTTCAACAACGGGCAGAGCTGCGGAGCGTG
CTACGAGATCCAGTGCGTGAGTGACAACCAGTGGTGCTTGTCCGGCTCCATCACC
ATCACTGCCACCAATTTCTGCCCTCCTAACCCTAGCCTCCCGAACGACAATGGAG
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GATCGCTCAGTACAAAGCCGGAATAGTTCCTGTTCAGTACAGAAGGGTTGCTTGT
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Nucleotide

>EgrEXPA-22

ATGAAGATGCTGCTCATGCAATTAAAAGGTGACTTTGTTGGGCAAGTTGAGCAAG
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GCAGTGATGCTTCTGGAACAATGGGTAAGTTATCATCAGAAGAATCACATTGTCT
GCAACATCATTTCGGTTCCTGAGTTAAGACGAATTCTTTTGGATCTGCTTTCAGGT
GGGGCTTGCGGGTATGGGAATCTGATTAGCCAGGGGTACGGCACCAACACGGCC
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