

IDENTIFICATION

Species: *Eucalyptus grandis*

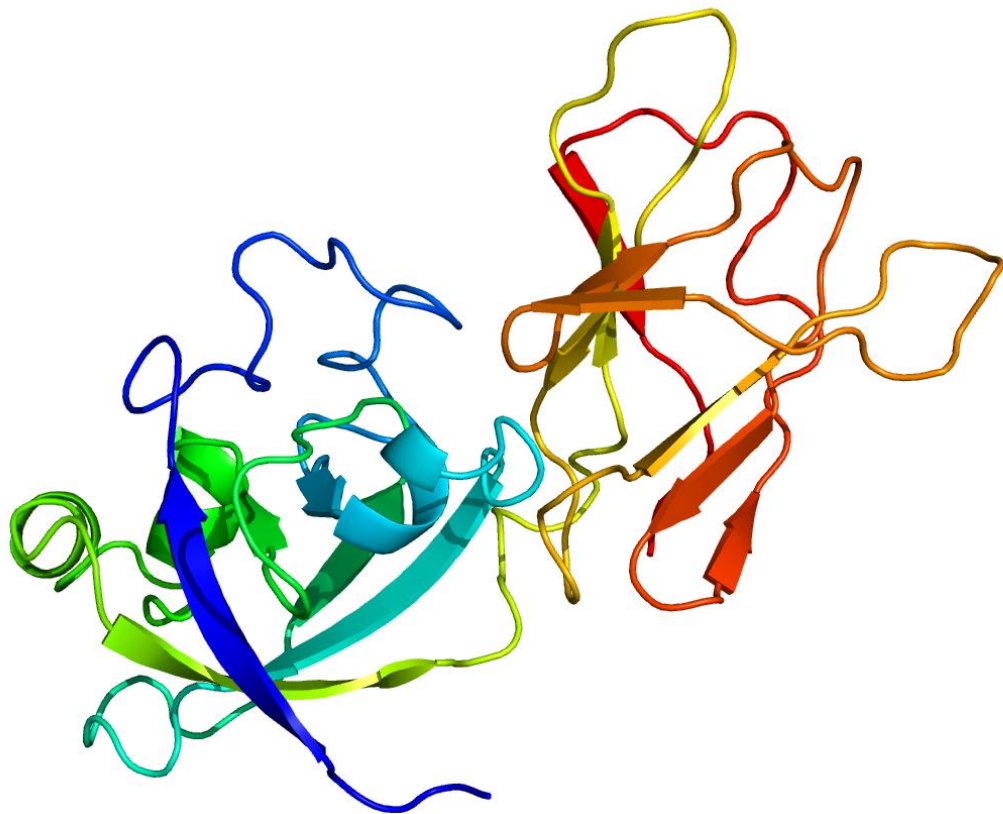
Locus: Eucgr.E00360

Gene Model: Eucgr.E00360.1.p

Description: EgrEXLB-04

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

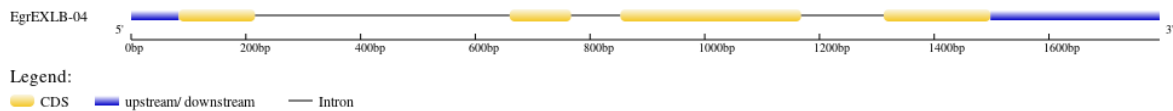
Phytozome: https://phytozome-next.jgi.doe.gov/info/Egrandis_v2_0

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

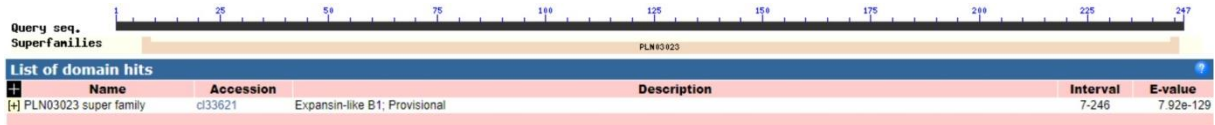
EXTERNAL RESOURCES

<https://eucgenie.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgrEXLB-04

MKSAMNYSCLLCILVLLPALCHSENSFTPSRATYYGSPDCYGTPTGACGYGEYGRTV
YDGYVTGVSRLYRNGSGCGACYQVRCTKPQCTGEGAYVAVTDYGEDRTDFILSTR
AYAKMAKPDDYQTKQLFAYGVVEVEFRRVPCRYPGQNLLVSVSEHSRNPSYLAVM
LLYVAGKDDVIAAEYWQEDCQEWKPMRRVYGAVFDTQTPPIGELYLRFQVGGSWV
HPKYALPADWKAGAVYDSQVQLD*

CDS (coding sequence)

>EgrEXLB-04

ATGAAATCTGCAATGAACTATAGTTGTCTTCTCTGTATCCTGGTGCTCTTGCCAGC
ACTTTGTCACTCTGAAAATTCATTTACGCCCTCGAGAGCCACTTACTATGGCAGCC
CTGACTGCTATGGGACTCCAAGTGGAGCTTGTGGGTACGGCGAGTATGGCAGGAC
CGTCTACGATGGCTATGTGACTGGAGTTTCGAGGCTATACAGAAATGGATCTGGA
TGTGGTGCTTGCATCAGGTGAGGTGCACGAAACCGCAGTGCACGGGCGAAGGA
GCGTACGTGGCGGTGACGGACTATGGCGAGGGAGACAGGACGGACTTCATCCTG
AGCACCAGAGCCTATGCGAAGATGGCAAACCGGACGACTACCAAACCAAGCAG
CTGTTTCGCTACGGCGTGGTTGAGGTGCAATTCAGAAGGGTTCGTTGTCGATAAC
CCGGCCAAAACCTCCTTGTGACGCTCAGTGAACACAGCAGAAACCTTCTTACTT
AGCTGTCATGCTTTTATACGTCGCCGGCAAAGATGACGTCATAGCTGCGGAGTAT
TGGCAGGAGGACTGCCAAGAGTGGAAGCCGATGCGCCGAGTGTACGGAGCAGTG
TTCGACACGCAAACCTCCGCAATAGGCGAGTTGTACCTGAGGTTCCAAGTGGGTG
GGTCTTGGGTGCATCCAAAGTACGCCCTCCCTGCTGACTGGAAAGCTGGTGCTGT
TTATGATTCCCAAGTGCAGCTGGACTAG

Nucleotide

>EgrEXLB-04

TCCATTTCCCTCTCTCTCTCTAGTCGAGTCCTCTAGGCTTGAGTTTACTTGTCTTGC
ATTAGGATCAGTACATTGAGTGAAACATGAAATCTGCAATGAACTATAGTTGTCT
TCTCTGTATCCTGGTGCTCTTGCCAGCACTTTGTCACTCTGAAAATTCATTTACGC
CCTCGAGAGCCACTTACTATGGCAGCCCTGACTGCTATGGGACTCCAAGTATGTG
CACGCTCCGTCTCCTGTGATAGAAACCAAGCTTGCATCAGCCACCGCACCACACA
AGCGCCGCACATAAATTATGTTACACATTAGTGTGAAGCTAGTAGAGCACTAGT
CGCTAAAATAGTATCTTGTGATGAAAAGTACACAAAACAACATTTCTTGTCTTTA

AAGTAACTTTTTTAACTTCGTTTATGGTCATGTGGCATGCTCTGTTACATCATGAA
TAACTTTTCGTGGGTATGCGCTCTTCCCTTGATACTCAGCAGAGCGCAATATAAC
ATGAGAAGATCTGTGTAGTAGCATGTCTCGCTCGGTACTIONTGAAGGCTTGGTTGTT
CACATGCACTCTTTGAACCGCTCCATTTATTATGCCCAAACCAAACATTTGAAAC
AGAACAATTTTTGCTAGAGAAGATCTAATGAGTGCAATGTTTATGGCAGCTGGAG
CTTGTGGGTACGGCGAGTATGGCAGGACCGTCTACGATGGCTATGTGACTGGAGT
TTCGAGGCTATACAGAAATGGATCTGGATGTGGTGCTTGTCTATCAGGTTTAACTT
CATATAGACTACACATAAATAGATGATGACTCTTTTTGACTTTTTTCATCAGTCTAA
TTTTACTTTTTTTAAGTATAGGTGAGGTGCACGAAACCGCAGTGCACGGGCGAAG
GAGCGTACGTGGCGGTGACGGACTATGGCGAGGGAGACAGGACGGACTTCATCC
TGAGCACCAGAGCCTATGCGAAGATGGCAAACCGGACGACTACCAAACCAAGC
AGCTGTTTCGCTACGGCGTGGTTGAGGTCGAATTCAGAAGGGTTCCGTGTGCGATA
CCCCGGCCAAAACCTCCTTGTACGCGTCAGTGAACACAGCAGAAACCTTCTTAC
TTAGCTGTATGCTTTTATACGTCGCCGGCAAAGATGACGTCATAGCTGCGGAGT
ATTGGCAGGTATTCAGTCATCCATTATCCCATGAGTTTGCTACAATTTGGTTTCAA
GTAGAATCAAATTGAACCATAAATCGAGATAAACTCGTTCTAGAGACCACTAGTC
GACAAGACAATGACCTTTGCTTTCTCGTAATTTTCGATTCAGGAGGACTGCCAAGA
GTGGAAGCCGATGCGCCGAGTGTACGGAGCAGTGTTTCGACACGCAAACCTCCGCC
AATAGGCGAGTTGTACCTGAGGTTCCAAGTGGGTGGGTCTTGGGTGCATCCAAAG
TACGCCCTCCCTGCTGACTGGAAAGCTGGTGCTGTTTATGATTCCCAAGTGCAGCT
GGACTAGAAAAGCCAAAACAGTCCCTTTCTTTATGTTGATTGGGAAAGTGCGT
GCTTGCCTTTTTTATTATAGCTAGATAGGAATAGCTCAGATATGGCCAATGCCAT
GGGGCATTAGTGTTGCTGATAGAAACAGGCTTAGCTAATAAGCTAGAAAAGGGC
AGGCTTTCTGCCTGCCTTGGCTAAATAAAGGTGGTCTCTGTACCATTTTATCAGTG
GGATGTGGGATTGTAATCTTCTTTCTGTTGGTGTGACTGGCTATAATAAATGAG
ATTGGTGTTCCTTAGGAGGATAAAA