

IDENTIFICATION

Species: *Populus trichocarpa*

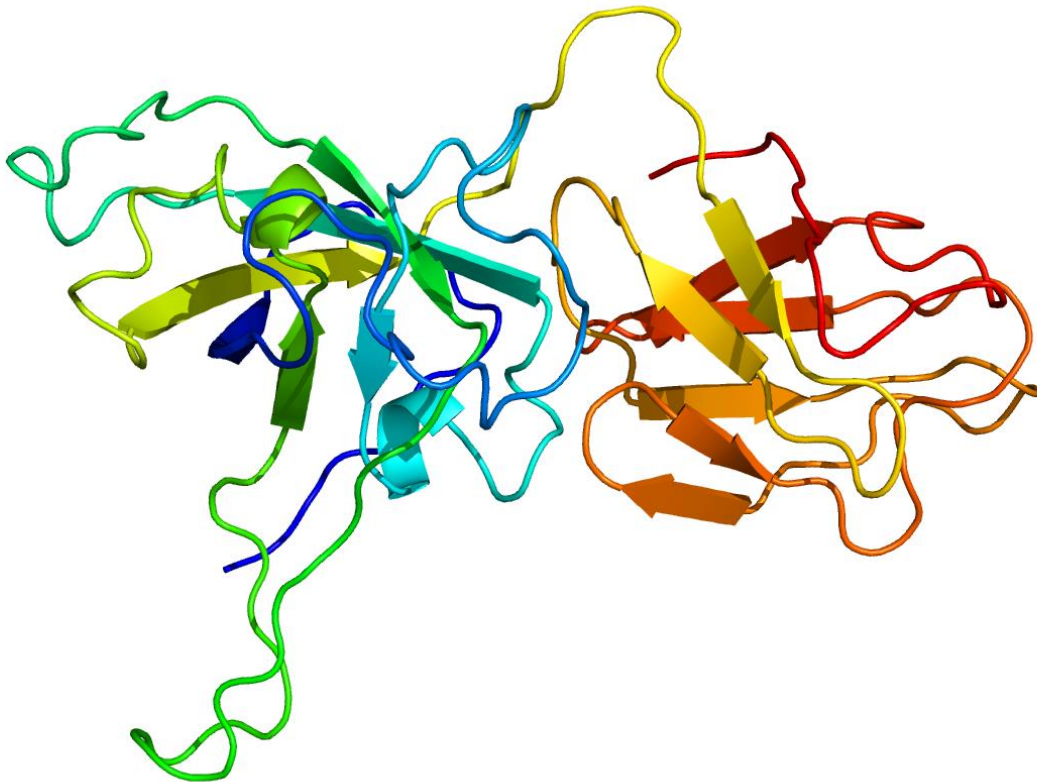
Locus: Potri.009G031800

Gene Model: Potri.009G031800.2.p

Description: PtEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

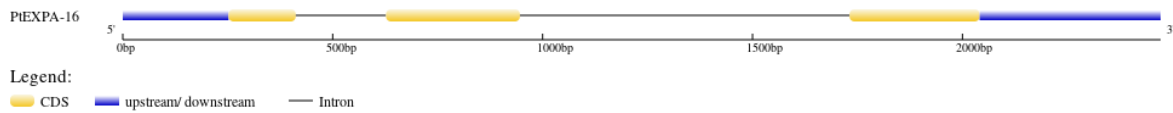
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

KEGG: <https://www.genome.jp/entry/gn:T01077>

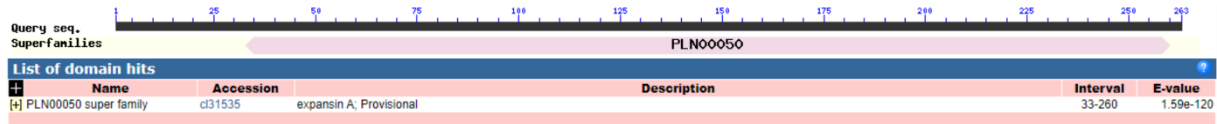
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXPA-16

MAMGSLLCFTTSLIMMSLMWKGEARIPGVYSGGAWQTAHATFYGGADASGTMGG
ACGYGNLYSQGYGVSTAALSTALFNGLSCGACFEIKCADDPQWCHSGSPSILITATN
FCPPNYALPSDNGGWCNPPRPHFDLAMPMFLKIAEYHAGIVPVA YRRVPCRKRGGIR
FTINGFRYFNLVLISNVAGAGDIVQVSVKGSKTGWMSMSRNWQNWQSNVAVLVGQ
SLSFRVRASDRRSSTSWNIVPAHWQFGQFTFTGKNFRV*

CDS (coding sequence)

>PtEXPA-16

ATGGCAATGGGTAGTTTGCTTTGCTTTACAAC TAGTCTACTGATAATGATGTCATT
GATGTGGAAGGGTGAAGCTAGAATCCCTGGTGT TACAGTGGGGGTGCTTGGCAA
ACTGCTCATGCTACCTTCTATGGTGGTGCTGACGCCTCTGGCACCATGGGAGGAG
CTTGTGGATATGGAAATCTATACAGCCAAGGGTATGGAGTGAGCACTGCAGCTCT
AAGCACTGCGCTGTTCAACAACGGGTTAAGTTGCGGTGCTTGCTTTGAAATAAAG
TGCGCAGATGACCCACAATGGTGCCACTCAGGCAGTCCATCTATTTTAATTACCG
CAACCAACTTTTGCCACCAAATTATGCACTTCCTAGTGACAATGGAGGCTGGTG
CAACCCTCCTCGCCCCACTTCGACCTCGCCATGCCCATGTTCCCTTAAGATCGCAG
AGTATCATGCCGGTATCGTCCCTGTTGCCTACCGCCGGGTGCCATGCCGGAAGAG
AGGAGGCATAAGGTTCAACAATAACGGGTTCCGTTACTTCAACTTGGTATTGATC
AGCAACGTGGCGGGTGCAGGGGATATCGTGCAGGTGAGCGTGAAAGGTTCGAAG
ACTGGTTGGATGAGCATGAGCCGTA ACTGGGGTCAAACTGGCAGTCAAACGCC
GTTCTGGTTGGTCAGTCACTCTCTTT CAGGGTCAGGGCCAGTGACAGACGCTCTTC
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Nucleotide

>PtEXPA-16

GAGGGATTGGAGGAGTTAATTTTGTTCCTTTCTTCCTCTCTTTTTTTTCACTCACGAA
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CATGTTCCCTAAGATCGCAGAGTATCATGCCGGTATCGTCCCTGTTGCCTACCGCC
GGTCAGTGACTTTTTAAACTCTGTTTTTCTCTGCTCTTGCCCTGCTTACATATGGCT
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