

IDENTIFICATION

Species: *Populus trichocarpa*

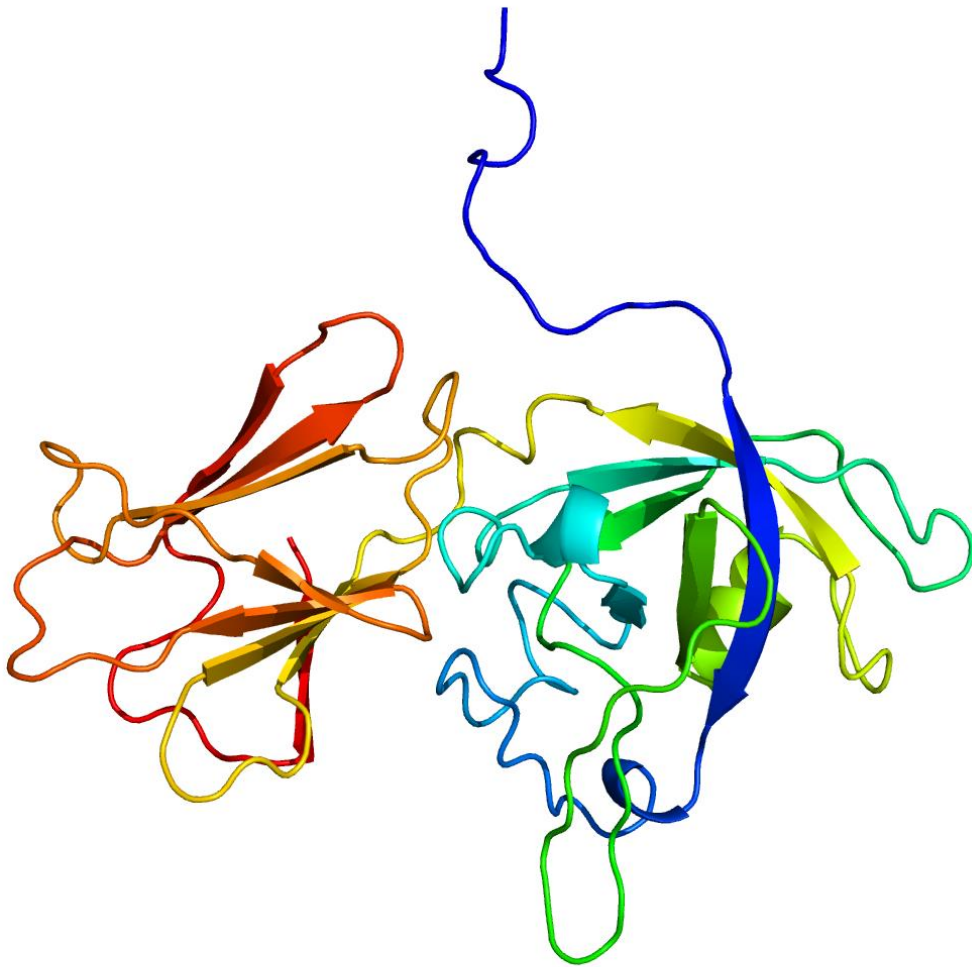
Locus: Potri.017G140000

Gene Model: Potri.017G140000.1.p

Description: PtEXPA-28

Family: Alpha Expansin

3D structure:



GENOME DATABASES

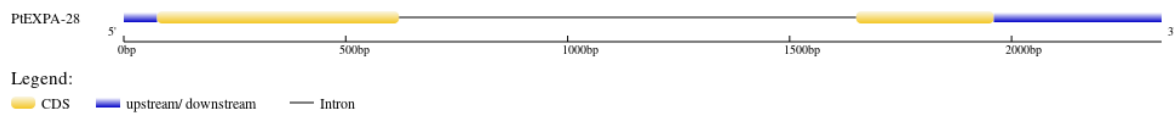
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

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

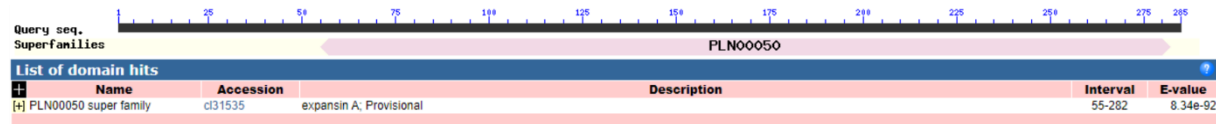
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXPA-28

MFSHKKDNKMPPPLLQGPIHTLLKPLLLLLLLLLTLPTTTTSHTSSTTPPPLSTYLSQW
 QPARATYYAASDPRDTVGGACGYGDLVKAGYGMATVALSESMFERGQICGACFEIK
 CVDDLRCWCPGTSIIVSVTNFCAPNYGFPSDAGGKCNTPNKHFVLPIESFEKIAIWKAA
 NMPVQYRRIKCRKEGGIRFTISGSGIFLSVLISNVAGAGDVTSVRIKGSRTGWLDMGR
 NWGQNWVNVANLQNQALSFEVTSSDKMTVLSYTVAPKDWRFGQTFEGKQFET*

CDS (coding sequence)

>PtEXPA-28

ATGTTCTCCCATAAAAAAGACAACAAGATGCCACCGCCACTTCAAGGCCCTA
 TTCACACTCTCCTGAAACCTCTCCTCCTCCTCCTCCTCCTCCTCACTCTCCCCCCA
 CCACCACCTCCCACACCTCTTCCACCACCACCCCTCCACCTCTGTCCACTTACCTA
 TCCAATGGCAACCCGCACGCGCTACTTACTACGCAGCATCCGATCCCCGGGACA
 CAGTAGGAGGCGCGTGTGGATATGGGGACTTGGTTAAGGCGGGATATGGAATGG
 CAACTGTAGCATTGAGTGAATCAATGTTTGAACGTGGACAGATCTGTGGCGCGTG
 TTTTGAAATCAAATGTGTTGATGATTTGAGGTGGTGTATTCCTGGGACTTCTATTA
 TTGTTTCTGTTACTAATTTTTGTGCTCCAAATTATGGGTTCCCTTCTGATGCTGGTG
 GAAAATGTAATACTCCAAATAAGCACTTTGTGCTGCCATTTGAATCTTTTAAAAA
 GATTGCCATTTGGAAGGCTGCTAATATGCCTGTTTTCAGTACAGAAGGATTAAGTGC
 AGAAAGGAAGGAGGGATTTCGGTTTACAATCTCTGGGTCCGGTATCTTCCTTTCTG
 TGCTGATCAGCAATGTTGCAGGTGCTGGAGACGTAACCTTCAGTGAGGATTAAGG
 TTCAAGAACGGGTTGGCTTGATATGGGTAGGAACTGGGGCCAAAACCTGGCATGTT
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 GAAGGCAAGCAATTTGAGACTTGA

Nucleotide

>PtEXPA-28

ACTTCTGTAATAAAGGAACAGAGACAAAGACAACCTCAACATCATCAAAGCTTA
 CTCAACAAATCCTTCTTTTCATGTTCTCCCATAAAAAAGACAACAAGATGCCAC
 CGCCACTTCAAGGCCCTATTCACACTCTCCTGAAACCTCTCCTCCTCCTCCTC
 CTCCTCCTCACTCTCCCCCCACCACCACCTCCCACACCTCTTCCACCACCACCC

TCCACCTCTGTCCACTTACCTATCCCAATGGCAACCCGCACGCGCTACTTACTACG
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CCCAACCTGGGTTTAAAGTCTATGTTCTTGGACTTAGTTTCAGAAGATACTATGTTG
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ACTCTGAC