

IDENTIFICATION

Species: *Populus trichocarpa*

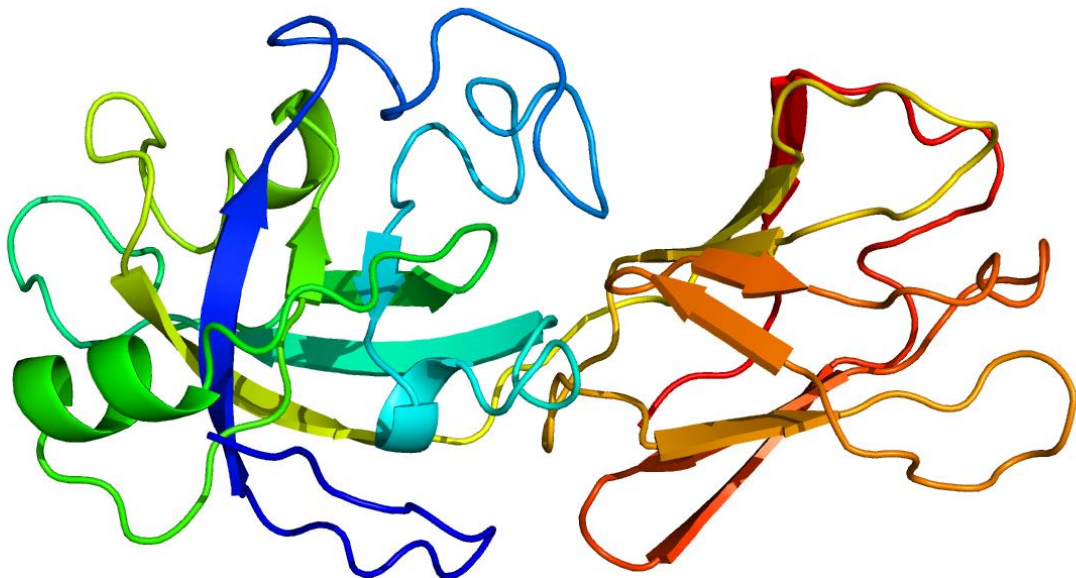
Locus: Potri.017G092700

Gene Model: Potri.017G092700.1.p

Description: PtEXPA-27

Family: Alpha Expansin

3D structure:



GENOME DATABASES

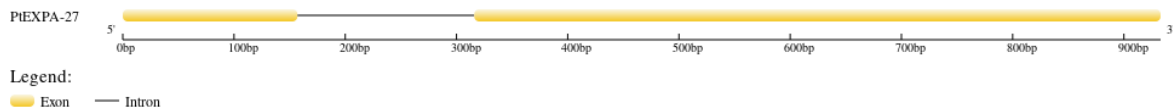
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

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

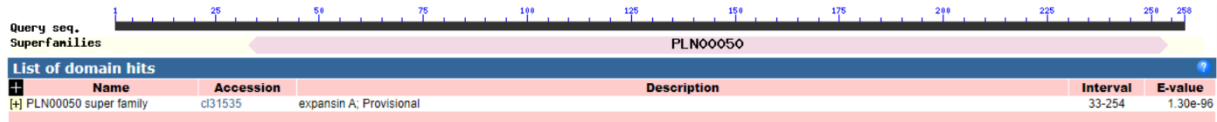
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXPA-27

MASFKNSFACLVLMLLGVARSQISFGEKIDSSWYDAHATFYGDIKGGQTMMGAC
GYGDLFKQGYGLQTAALSTALFNNGQTCGACFELKCVNDPQWCKNHAGTIKITATN
LCPPNYGASNAWCNPPQQHFDLSMPMFLTIAEYRAGIVPVKYRRILCSKEGGVKFDIH
GNPYWMLVLRNVAGAGEVINVRIKGSQTRWIQMSRNWQNWQTGTDLVGQSLSF
LVTTSYKRLYFNDVAGADWSFGQAYDGKINF*

CDS (coding sequence)

>PtEXPA-27

ATGGCTAGTTTCAAGAACTCCTTTGCTTGTTTAGTGTTAATGGCACTTCTGGGAGT
GGCTAGGAGTGACCAAATTAGCTTTGGTGAAAAAATAGACAGTTCATGGTATGAT
GCACATGCAACTTTTTATGGGGACATAAAAGGAGGACAGACAATGATGGGAGCT
TGTGGCTATGGCGATCTCTTCAAACAAGGGTATGGACTTCAAACAGCAGCCTTAA
GCACAGCACTCTTCAAACAATGGACAAACCTGTGGTGCTTGCTTTGAACTCAAGTG
TGTGAATGATCCACAATGGTGCAAAAACCATGCTGGCACCATCAAATCACAGC
AACCAATTTATGCCCTCCAATTACGGAGCTTCCAATGCTTGGTGCAACCCACCA
CAGCAACATTTTGATCTATCGATGCCCATGTTTCTAACGATCGCAGAATATAGAG
CAGGGATTGTCCCTGTAAAGTATCGCAGAATCTTGTGTTCCAAGGAAGGAGGGGT
TAAGTTTGACATTCATGGCAATCCCTATTGGATGCTTGTGTTAGTGCGCAATGTTG
CAGGGGCTGGTGAAGTTATTAATGTCAGGATTAAGGGCTCACAACTCGTTGGAT
ACAGATGTCAAGAACTGGGGACAGAACTGGCAGACCGGGACTGATCTCGTTGG
ACAAAGCTTGTCATTCCTAGTTACTACAAGTGACTACAAGAGATTATACTTTAAT
GATGTTGCCGGAGCTGACTGGAGTTTTGGACAAGCTTACGATGGGAAAATAAACT
TTTAG

Nucleotide

>PtEXPA-27

ATGGCTAGTTTCAAGAACTCCTTTGCTTGTTTAGTGTTAATGGCACTTCTGGGAGT
GGCTAGGAGTGACCAAATTAGCTTTGGTGAAAAAATAGACAGTTCATGGTATGAT
GCACATGCAACTTTTTATGGGGACATAAAAGGAGGACAGACAATGAGTACGTGT
GTGTGTATGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATTTCATCATA
TCAAGTATTATTTATTCATTTTGTGTGGTTTTCTGCTGGTGAAAACAACAGATATG

TATATTGATTCCTAATGTGTTGATTATATATTGGCAGTGGGAGCTTGTGGCTATG
GCGATCTCTTCAAACAAGGGTATGGACTTCAAACAGCAGCCTTAAGCACAGCACT
CTTCAACAATGGACAAACCTGTGGTGCTTGCTTTGAACTCAAGTGTGTGAATGAT
CCACAATGGTGCAAAAACCATGCTGGCACCATCAAATCACAGCAACCAATTTAT
GCCCTCCCAATTACGGAGCTTCCAATGCTTGGTGCAACCCACCACAGCAACATTT
TGATCTATCGATGCCCATGTTTCTAACGATCGCAGAATATAGAGCAGGGATTGTC
CCTGTTAAGTATCGCAGAATCTTGTGTTCCAAGGAAGGAGGGGTTAAGTTTGACA
TTCATGGCAATCCCTATTGGATGCTTGTGTTAGTGCGCAATGTTGCAGGGGCTGGT
GAAGTTATTAATGTCAGGATTAAGGGCTCACAACTCGTTGGATACAGATGTCAA
GAACTGGGGACAGAACTGGCAGACCGGGACTGATCTCGTTGGACAAAGCTTGT
CATTCCTAGTTACTACAAGTGACTACAAGAGATTATACTTTAATGATGTTGCCGG
AGCTGACTGGAGTTTTGGACAAGCTTACGATGGGAAAATAAACTTTTAG