

IDENTIFICATION

Species: *Populus trichocarpa*

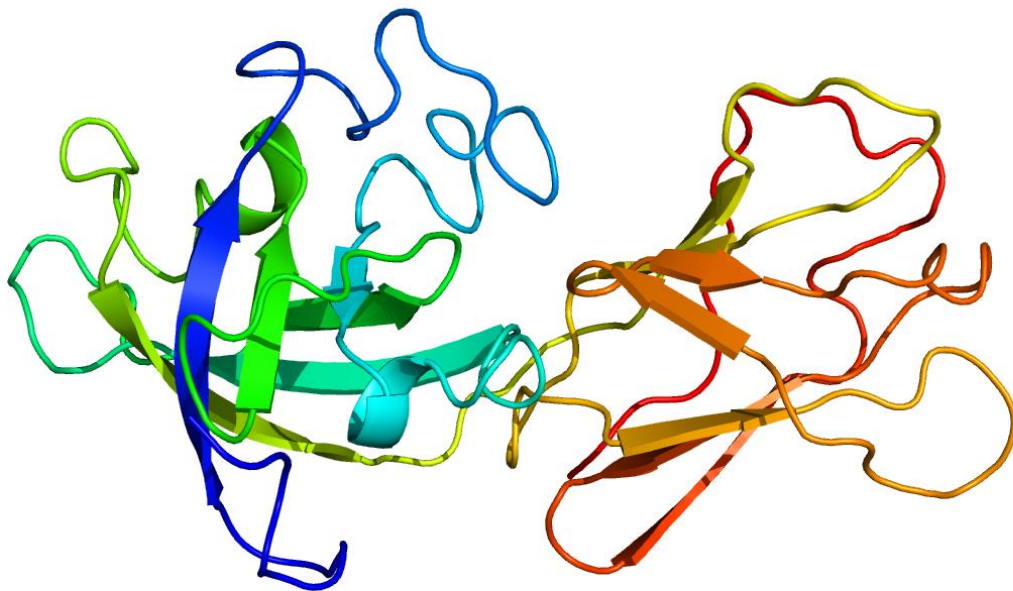
Locus: Potri.004G080200

Gene Model: Potri.004G080200.1.p

Description: PtEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

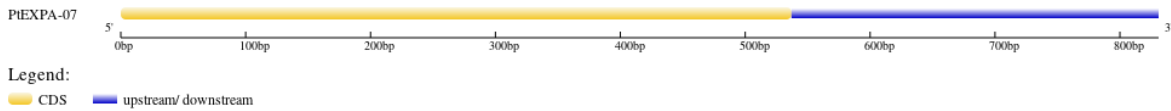
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

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

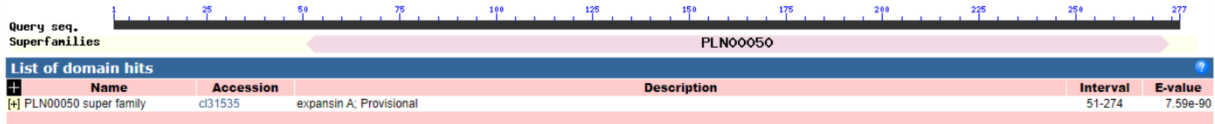
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXPA-07

MPPPLPQNPIHTLLKPLLLLLLLLLLFIPTATTSLTSSTTTTPPPLSTTLSQWQSARATYYA
ASDPRDTVGGACGYGDLVKAGYGMATVGLSESMFERGQICGACFELKCVDDLRCI
PGTSIIVSVTNFCAPNYGFTSDGGGKCNPPNKHVFLPIEAFEKIAIWKAANMPVQYRRI
KCRKEGGIRFNISGSGIFLSVLISNVAGAGDVTAVKIKGSRTGWLDMGRNWGQNW
VNANLQNLALSFEVTSSDRMTVISYNVAPKDWRFQAFEGKQFET*

CDS (coding sequence)

>PtEXPA-07

ATGCCACCACCATTACCCCAAACCCCATTCACACTCTCCTAAAACCCCTCCTCCT
CCTCCTCCTCCTCCTCCTTCATCTTCCCACCGCCACCACCTCCCTCACTTCTTCCAC
CACTACACCACCACCTCTCTCCACCACCCTATCCCAATGGCAATCCGCACGCGCT
ACTTACTACGCAGCATCCGATCCCCGGGACACAGTAGGAGGTGCGTGTGGATATG
GGGACTTAGTTAAAGCAGGATATGGAATGGCAACCGTGGGATTGAGTGAATCAA
TGTTTGAACGTGGACAGATCTGTGGCGCGTGTTTTGAACCTTAAGTGTGTTGATGAT
CTGAGGTGGTGTATTCCTGGGACTTCTATTATTGTTTCTGTCACTAATTTTTGTGCT
CCAAATTATGGGTTCACTTCTGATGGTGGTGGAAAATGTAATCCTCCTAATAAGC
ATTTTGTGCTGCCTATTGAAGCTTTTGAAAAGATTGCCATTTGGAAGGCTGCTAAT
ATGCCTGTTCAAGTATAGAAGGATTAATGCAGAAAGGAAGGAGGGATTTCGGTTT
AATATCTCTGGGTCCGGTATTTTCCTTTTCGGTGCTGATCAGCAATGTTGCAGGTGC
TGGAGATGTCACTGCAGTGAAGATTAAAGGTTCAAGAACAGGCTGGCTTGATATG
GGCAGGAATTGGGGCCAAAACCTGGCATGTTAATGCTAATTTACAGAATCAAGCTC
TCTCATTTGAGGTCCTAGTAGTGATAGGATGACTGTTATATCTTACAATGTTGCT
CCCAAAGATTGGAGATTTGGACAGGCCTTTGAAGGCAAGCAATTTGAGACTTAA

Nucleotide

>PtEXPA-07

ACCACTCCTGTTATAAAATTAACAAGGACAACCTTAACTTCATCATCAAATAAAA
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ACCGCCACCACCTCCCTCACTTCTTCCACCACTACACCACCACCTCTCTCCACCAC

CCTATCCCAATGGCAATCCGCACGCGCTACTTACTACGCAGCATCCGATCCCCGG
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CACCGGCTAAATTTAGCACTTCCATGTCAGTGATTGTTTGTCTTTGTTAGTCTATTT
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CCATTCTGAGTTATTTTATCAAGCTCCATTTTTTCTAAATTATGGACACCCTGCTTTA
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TGTATGTCTCTATGGTTTTATCTACGATCTGAAGGACTTAGTTTGTGAGAAGATAGTA
AATTGATAAATGATCAAGTCTGTTGCTTTCTG