

IDENTIFICATION

Species: *Populus trichocarpa*

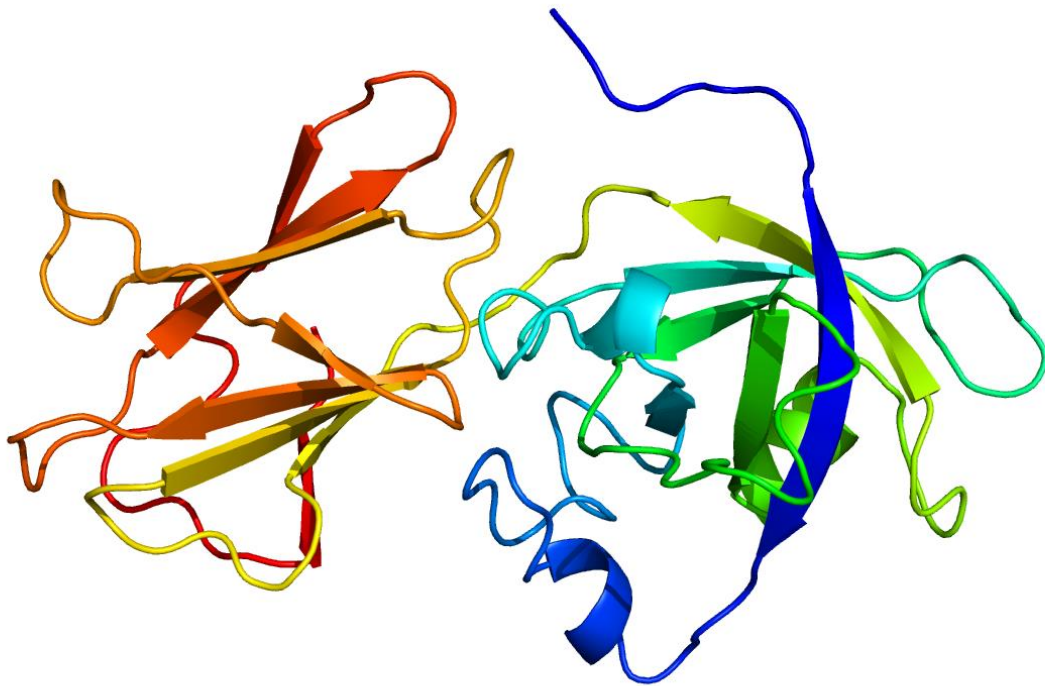
Locus: Potri.004G123200

Gene Model: Potri.004G123200.2.p

Description: PtEXPA-08

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>

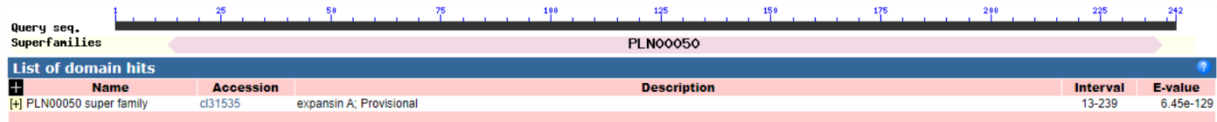
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXPA-08

MALLGFLLVGFLSSVSSVHGYYGGWINAHATFYGGGDASGTMGGACGYGNLYSQG
YGTNTAALSTALFDNGLSCGACFEIRC VNDPQWCLPGVIVVTATNFCPPGGWCDPPN
HHFDLSQPVFQHIAQYRAGIVPVIYRRIRCRRSGGIRFTINGHSYFNLVLITNVGGAGD
VHVAIKGSRGTGWQMSRNWQNWQNSYLNQSLSFVVTTSDGRSVVSYNVAPA
GWSFGQTYSGGQYRY*

CDS (coding sequence)

>PtEXPA-08

ATGGCTCTTCTTGGTTTTCTTTAGTGGGGTTTCTCTCCTCTGTCTCTTCTGTTCAT
GGATATTATGGAGGTTGGATTAACGCTCATGCCACTTTCTATGGAGGTGGCGATG
CTTCAGGGACAATGGGTGGGGCTTGTGGCTATGGAAATCTGTACAGCCAGGGTTA
TGGAAC TAACACCGCAGCACTGAGCACTGCATTGTTTCGACAATGGTTTGAGCTGT
GGGGCTTGCTTTGAGATCAGATGTGTAATGATCCACAGTGGTGCCTGCCTGGCG
TAATTGTGGTCACCGCTACTA ACTTCTGCCCTCCCGGCGGCTGGTGTGATCCTCCC
AACCATCATTTTGATCTCTCTCAACCTGTCTTCCAACACATTGCCCAATATAGAGC
CGGAATTGTCCCAGTAATCTACAGAAGGATAAGATGCAGGAGGAGCGGAGGCAT
TCGGTTCACCATCAATGGCCACTCATACTTCAATTTAGTCCTGATTACCAATGTTG
GCGGTGCTGGCGATGTGCATTCAGTGGCCATCAAAGGTTTCGAGA ACTGGGTGGCA
ATCAATGTGCGAGAACTGGGGCCAAA ACTGGCAGAGTAACTCTTACCTTAATGGA
CAGAGTCTCTTTTGTAGTGACGACTAGCGATGGCCGCA GTGTGGTTTCTTACAA
TGTCGCCCTGCTGGTTGGTCCTTTGGGCAGACGTATAGTGGAGGGCAGTATAGG
TACTAG

Nucleotide

>PtEXPA-08

CTCTTCAATCCTCCCCTCCCCTCTTCATTTCCCTTCAAGAAAATTCTTCCAAGGTTCC
ATCACATTTTCTAGTAACATTATATATCTGTTTACCATTGAATTCCTTTTGTTTTCC
TTAGTTACTAGCTATAATGTTTTTCGAAATAATTAATAGCTTTACA ACTTGTATTAA
TTTATAGGTAGCTACAATGTTCC TAAGGGGGTTCATCTAATTTTGTGCAGGAAA
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GGATATTATGGAGGTTGGATTAACGCTCATGCCACTTTCTATGGAGGTGGCGATG

CTTCAGGGACAATGGGTATGTGAGACATGTATTCTTTTTTTCTTTTTGATAGGAA
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GCGATGTGCATTCAGTGGCCATCAAAGGTTTCGAGAACTGGGTGGCAATCAATGTC
GAGAACTGGGGCCAAACTGGCAGAGTAACTCTTACCTTAATGGACAGAGTCT
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AAAGTATATGGTCAACGTACCTTGGGTCAATGTCTCTTATGAATTAGCCCTAATTC
CCTCTTTCCTATCTCAGGAGCCAAGGCTTCATTTTTACTGCAGGAGTGTGTGCATG
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