

## IDENTIFICATION

**Species:** *Populus trichocarpa*

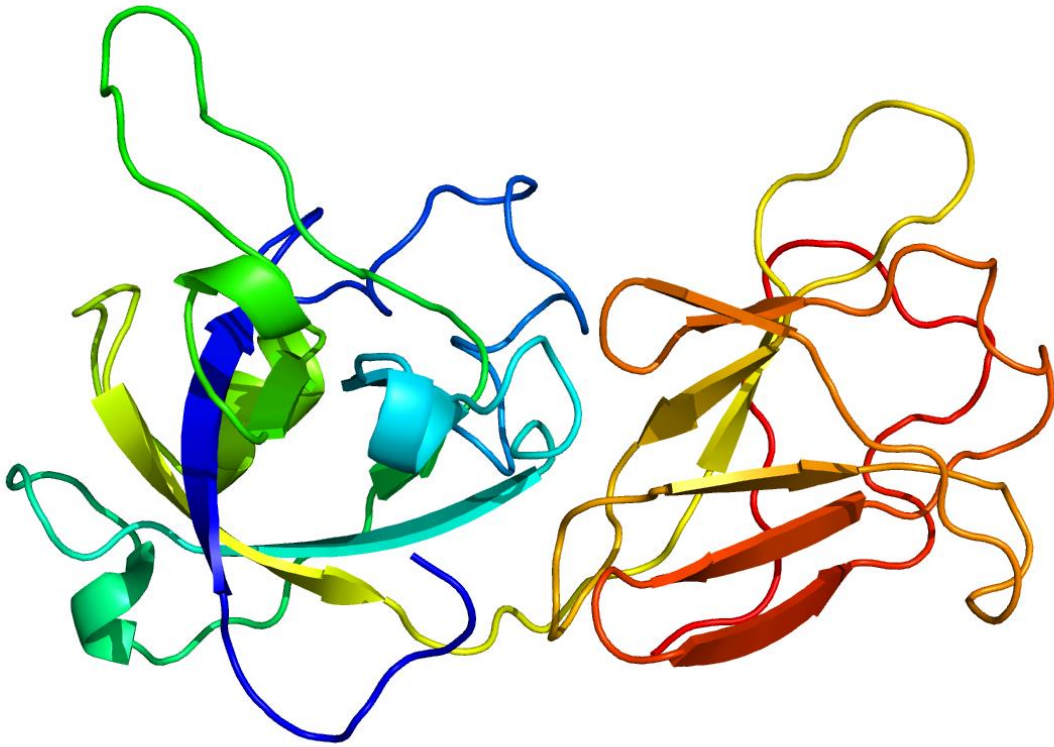
**Locus:** Potri.004G208300

**Gene Model:** Potri.004G208300.1.p

**Description:** PtEXPA-10

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa\\_v4\\_1](https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1)

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

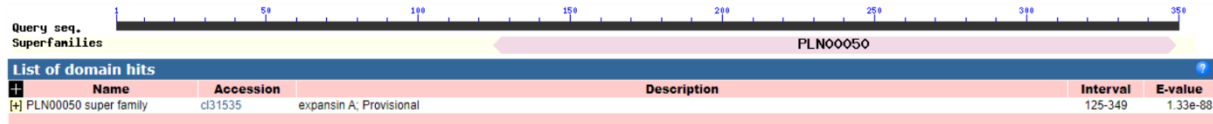
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PtEXPA-10

MIDQSYSSRACCTSLHFGLRSPKEPICQNFTVSSKGWPSNQQSYLHFSKEIRVISRRK  
GWSFSSLKTIISQRREEREKTRRKESHQVQIRILIVVAYQMGALKAMLLYLIHQTWKI  
TADDEEWKSATATYVKETNGSIVVEGACGYADLHKATYGKYSAGLSSMLFNRGSTC  
GACFEVRCVDHILWCLQGSPSVILTATDFCPPNYGLSADYGGWCNFPKEHFDMSEAA  
FTEIAEKKADIVPVQHRRVKCERRGGLRFTVSGNFHFYQVLISNVGLDGEVIAVKVK  
GSKTAWIPMARNWQNWQSNVNLIGQPLSFEVTTSSRKTLTSYNVAPANWQFGQTF  
EGKQF\*

### CDS (coding sequence)

>PtEXPA-10

ATGATAGACCAAAGCTACCCTTCCTCTCGGGCTTGCTGCACGTCCCTACATTTTGG  
ACTACGGTCTCCCAAAGAGCCTATTTGTCAAATTTACAGTTTCGTCTAAGGGG  
TGGCCATCTAACCAACAAAGCTATCTTCATTTTCAGCAAGGAGATTCGGGTCATTT  
CCCGAAGAAAAGGGTGGTCTTTCTCTTCACTCAAGACCATAATTTACAGAGAAG  
AGAAGAAAGGGAAAAACAAGAAGAAAAGAATCTCATCAAGTACAAATCAGAA  
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GGTATGCGGACCTTCACAAGGCCACCTATGGAAAGTACAGTGCTGGACTAAGTA  
GCATGCTGTTCAACAGAGGGAGTACCTGTGGGGCTTGCTTCGAGGTCAGATGTGT  
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## Nucleotide

>PtEXPA-10

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AAAGGGTGGTCTTTCTCTTCACTCAAGACCATAATTTACAGAGAAGAGAAGAAA  
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ACTAGGCTGTACTTTGAGATGATTTACTTTGATTCTACAAGAATGATTATAAATT