

## IDENTIFICATION

**Species:** *Populus trichocarpa*

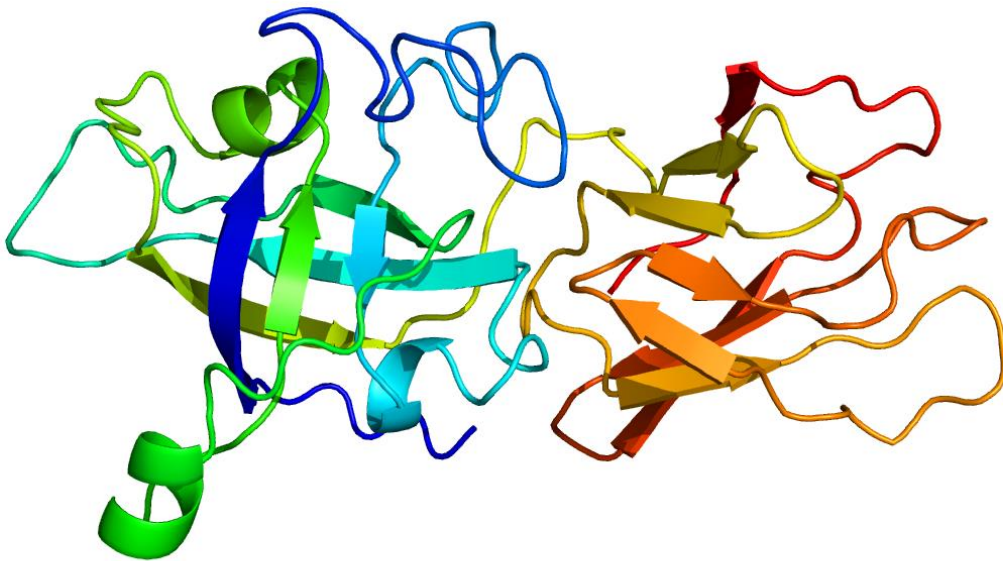
**Locus:** Potri.001G401700

**Gene Model:** Potri.001G401700.1.p

**Description:** PtEXPA-04

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

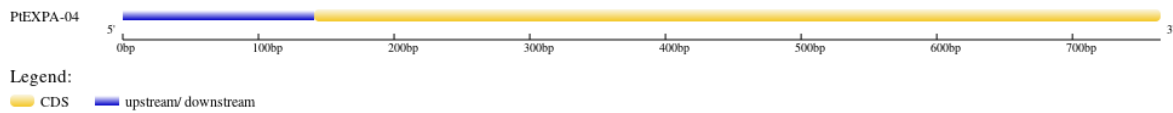
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa\\_v4\\_1](https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1)

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

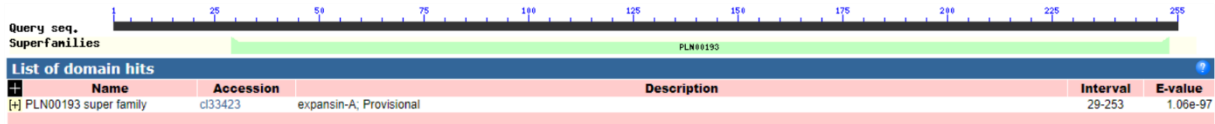
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PtEXPA-04

MGPFTLSVLVCQFLFFVCLLSLKGINGGWLNHAHATFYGANQSPATLGGACGYDNT  
FHAGFGVNTAAVSGALFRGGEACGACYQLMCNYRADPKWCLRRAVITVTATNFCPP  
NNGGWCDPPRQHFDMSMPAFFRIARQGNIGVPLVYRRVSCTRRGGVRFRTLGRQS  
NENLVMISNVGGSGDIKAAWVRGSRARSWVPLHRNWGANWQSSFDLRNQKLSFKL  
TLVDGKTLEFFNVVPSTWMFGQTFSSRSQFS\*

### CDS (coding sequence)

>PtEXPA-04

ATGGGACCTTTTGTCACTCTTTCTGTTTTGGTTTTGCCAATTTCTTTTCTTTGTTTGCT  
TGCTTAGTTTGAAGGGGATTAATGGTGGTTGGCTCAATGCTCATGCAACCTTCTAT  
GGCGCCAATCAGAGCCCCGCCACTCTTGGAGGAGCTTGTGGATATGACAACACCT  
TCCATGCCGGATTTGGAGTGAACACGGCGGCCGTGAGTGGTGCCTGTTTAGAGG  
TGGAGAGGCATGTGGTGCTTGTACCAATTAATGTGCAACTATAGGGCAGATCCC  
AAGTGGTGCCTCCGACGTGCAGTTATTACGGTAACTGCCACCAATTTCTGCCCTCC  
AAATAATAATGGAGGGTGGTGCATCCTCCTCGCCAGCATTGACATGTCCATG  
CCTGCTTTCTTTCGCATTGCACGACAAGGCAATGAAGGCATAGTTCCTGTGCTCTA  
TAGGAGGGTATCGTGCACAAGAAGAGGAGGAGTTCGTTTCACTCTGAGGGGACA  
ATCAAACCTTCAACCTGGTCATGATCTCTAACGTTGGTGGTAGTGGTGGTATCAAG  
GCTGCATGGGTTAGAGGCTCAAGGGCAAGATCATGGGTGCCATTGCACAGGAAT  
TGGGGTGCAAATTGGCAAAGCAGTTTCGATCTTCGAAACCAAAAACCTGTCTTTTA  
AGCTCACTTTAGTTGATGGAAAAACACTGGAATTTTTTAATGTTGTTTCCTTCAACT  
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### Nucleotide

>PtEXPA-04

AATTTTGTGTACTAAGTTTTTTGAGATTATTTACAAAGGAAAATGGGACCTTTTGT  
CACTCTTTCTGTTTTGGTTTTGCCAATTTCTTTTCTTTGTTTGCTTAGTTTGAAG  
GGGATTAATGGTGGTTGGCTCAATGCTCATGCAACCTTCTATGGCGCCAATCAGA  
GCCCCGCCACTCTTGGTAAGTCTTAGTTTCTTAGAAAACAAAGAACCCAAGAATA  
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CAATAAAATTTGATCATCATTA AAAACAAATCAATCAAAATGTCCAACAATTTATA  
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CCAATTTCTGCCCTCCAAATAATAATGGAGGGTGGTGCGATCCTCCTCGCCAGCA  
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CATATAAATTTATATTTTTCTTTATAGTATGTTTAAAATATGATTTTGAAAATGCAT  
GAATTGAAGGGTATCGTGCACAAGAAGAGGAGGAGTTCGTTTCACTCTGAGGGG  
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