

## IDENTIFICATION

**Species:** *Populus trichocarpa*

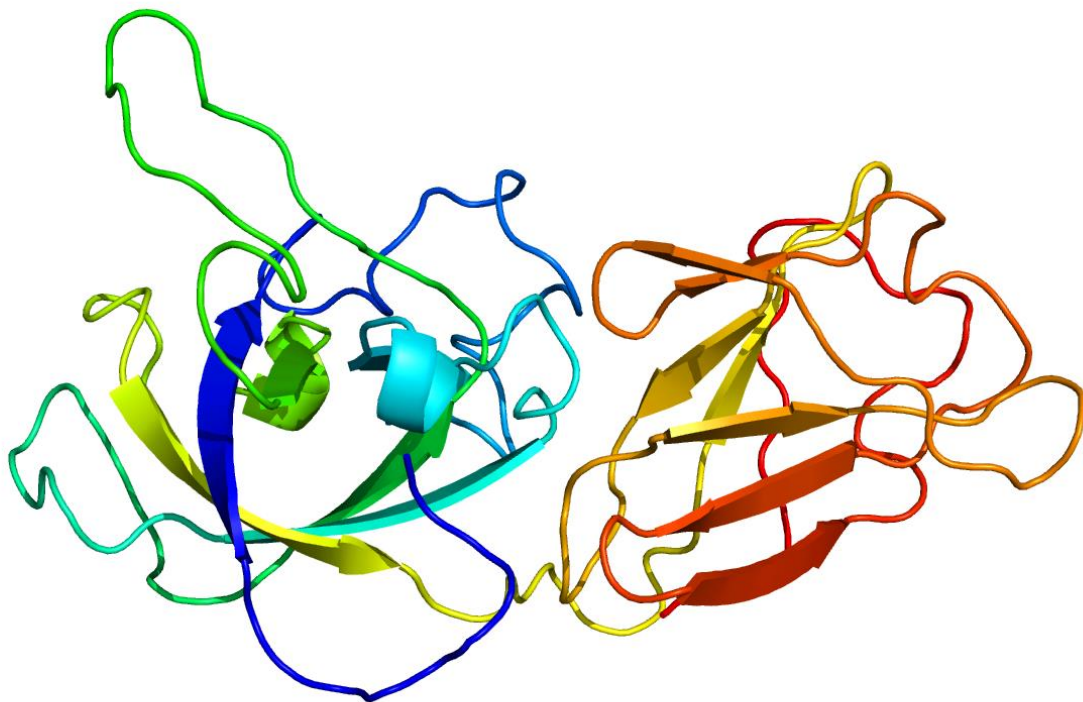
**Locus:** Potri.002G017900

**Gene Model:** Potri.002G017900.1.p

**Description:** PtEXPA-05

**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>

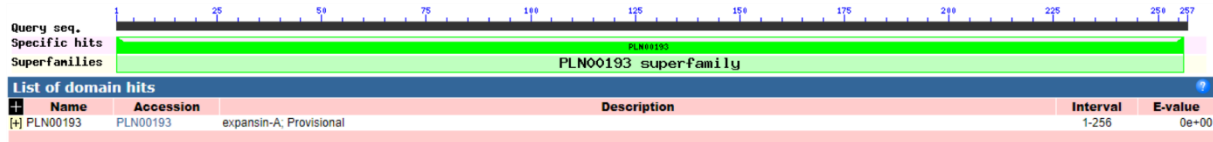
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PtEXPA-05

MGKLLLAFAIWLQFCNYFAINVNAFAPSGWTKGHATFYGGSDASGTMGGACGYGN  
LYSTGYGTRTAALSTALFNDGASCGEYRIMCDFQTDSRWCIKGRSVTITATNFCPPN  
FALPNNNGGWCNPPLQHFDMAQPAWEKIGIYRGGIVPVLVLFQKVPCKKHGGVRFTING  
RNYFELVLITNVAGAGSIQSVSIKGSKTGWLAMSRNWGVNWQSNAYLNGQSLSFKV  
TTTDGQTRFFTDIVPANWGFQTFQSSVQF\*

### CDS (coding sequence)

>PtEXPA-05

ATGGGAAAACCTTCTTCTTGCATTTGCAATCTGGCTGCAATTCTGCAACTATTTTGC  
TATCAATGTTAATGCATTTGCCCATCAGGATGGACGAAAGGTCATGCTACATTT  
TATGGAGGCAGTGATGCCTCAGGAAGTATGGGAGGGGCTTGTGGATATGGAAAC  
TTGTATTCTACTGGTTATGGGACTAGGACTGCTGCTTTAAGCACTGCTTTATTCAA  
TGATGGAGCTTCATGTGGAGAATGCTACAGAATTATGTGTGATTTTCAAACGGAT  
TCCAGATGGTGTATTAAGGGAGGTCTGTGACTATTACTGCAACAAATTTCTGCC  
CCCCGAATTTTGCTCTTCCAAACAACAATGGAGGCTGGTGCAACCCTCCCCTCCA  
GCATTTTCGATATGGCCAGCCTGCTTGGGAAAAGATTGGTATTTATAGGGGAGGG  
ATCGTGCCTGTTTTGTTCCAAAAGGTTCCCTTGCAAGAAGCATGGTGGAGTCAGAT  
TCACTATTAATGGAAGAACTACTTTGAGCTCGTCTTGATTACCAATGTAGCTGG  
AGCTGGATCCATTCAATCTGTGTCCATTAAGGCTCAAAAACAGGCTGGCTGGCA  
ATGTCAAGAACTGGGGGGTTAATTGGCAATCTAATGCTTATCTCAATGGCCAAT  
CTTTGTCCTTTAAGGTCACAACACTGATGGACAGACTCGATTCTTTACAGACATT  
GTTCCAGCAAATTGGGGGTTTGGCCAGACTTTCCAAAGCTCAGTACAGTTCTAA

### Nucleotide

>PtEXPA-05

AAATACACTAGCTATCAGCAATCCTCACTCTCCATTCTCTTATCATTGTTTCTGCA  
GTATTTATCTTTTCAAGAAATGGGAAAACCTTCTTCTTGCATTTGCAATCTGGCTGC  
AATTCTGCAACTATTTTGCTATCAATGTTAATGCATTTGCCCATCAGGATGGACG  
AAAGGTCATGCTACATTTTATGGAGGCAGTGATGCCTCAGGAAGTATGGGTATGT  
AATGTAACACTACTTCGTATATCTTTTCTTGTCTTTATGGTTTTTTGGGTTTCAAC

AGCTAATAACATTTCACTCCTGCAGGAGGGGCTTGTGGATATGGAACTTGTATT  
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ACTTTGAGCTCGTCTTGATTACCAATGTAGCTGGAGCTGGATCCATTCAATCTGTG  
TCCATTAAGGCTCAAAAACAGGCTGGCTGGCAATGTCAAGAACTGGGGGGTT  
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GTTCAGCCTCTAAATTGGCTGAGGCGTGCTTATAATTTTACTAGAGCAGCCCGCC  
ACAATTTTTTCTTTTTCTTGATGTTGGCCGGGACAGTACTGTTCTGGCTCTGGATT  
GTGCTTTGAAGAGGGAGGGTGAGGATCAGGCGATCCCATGAACTCAAGGCTAGC  
TGCTCCTGAGCTGTTGTGCTTTCCAATCCAAGGAAGCAAATTAAGCTCGACACGG  
AACATTTGGAGATCAGGGATTTGCAGAGTAGTATATAGTTGCGGCTTAATAAGAA  
GCGCAATCAATTTGCAGCTTAATCATATAAATAAATAACTTTATCTGGGTTATCTTA  
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TTTTGCTC