

## IDENTIFICATION

**Species:** *Populus trichocarpa*

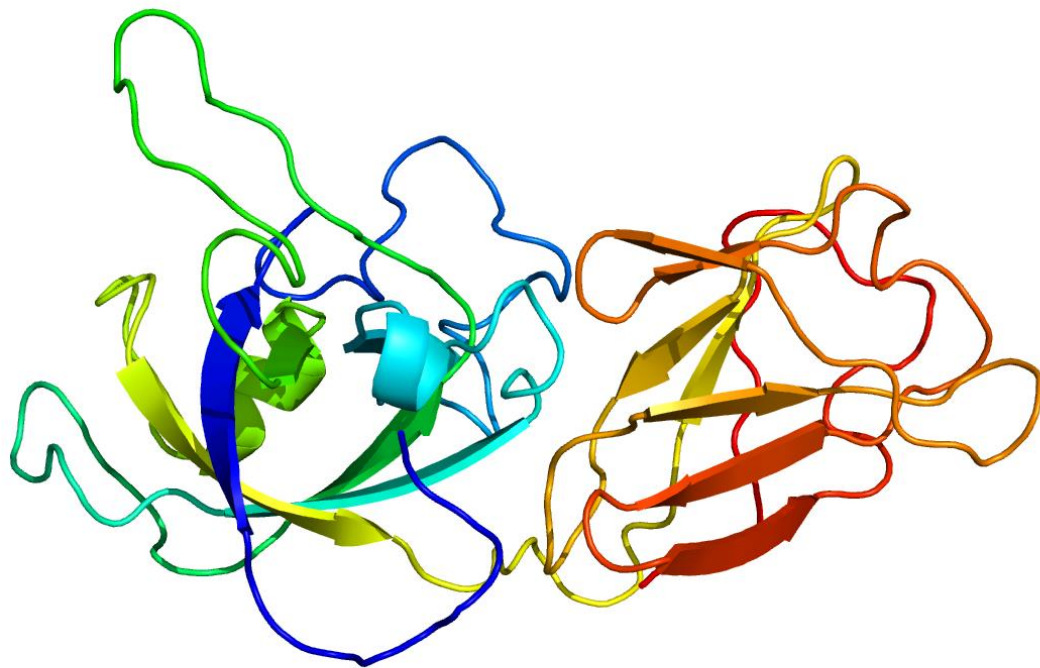
**Locus:** Potri.005G244100

**Gene Model:** Potri.005G244100.1.p

**Description:** PtEXPA-11

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

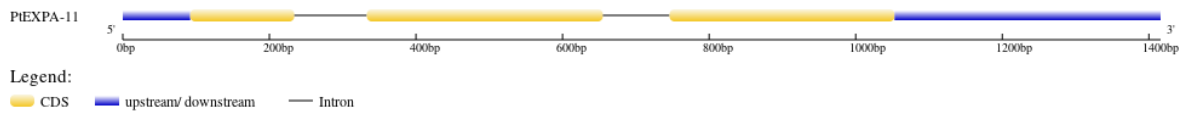
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa\\_v4\\_1](https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1)

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

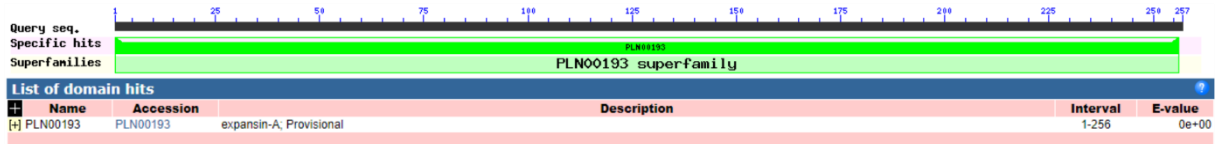
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PtEXPA-11

MGKFLLTFAILLQFCSYLAINVNAFAPSGWRKGHATFYGGSDASGTMGGACGYGNL  
YSTGYGTRTAALSTALFNDGASCCECYRIMCDFQTDPRWCIKGKSVTITATNFCPPNY  
ALPNNNGGWCNPPLQHFDMAQPAWEKIGIYRGGIVPVLFRVPCCKKHGGVRFRTING  
RNYFELVLISNVAGAGSIQSVSIKGSKTGWMAMSRNWGANWQSNAYLNGQSLFSKI  
TNTDGQTRFFTDIAPANWGFGQTFSSSVQF\*

### CDS (coding sequence)

>PtEXPA-11

ATGGGGAAATTTCTTTTGACATTTGCAATCTTGCTTCAGTTCTGCTCTTATTTGGCT  
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ATGGAGGCAGTGACGCCTCAGGA ACTATGGGAGGGGCTTGTGGATATGGAACT  
TGTATTCTACTGGTTATGGGACCAGGACCGCTGCTTTAAGCACTGCTTTATTCAAT  
GATGGAGCTTCATGTGGGGAATGTTACAGAATAATGTGTGATTTTCAAACAGACC  
CCAGATGGTGCATTAAAGGCAAGTCTGTGACCATTACTGCAACAAATTTCTGCCC  
CCCTAATTATGCTCTTCCAAACAACAATGGAGGCTGGTGCAACCCTCCTCTCCAG  
CACTTTGATATGGCTCAGCCTGCTTGGGAAAAGATTGGTATTTATAGAGGAGGAA  
TCGTGCCTGTTTTGTTTCAAAGGGTTCCTTGCAAGAAGCATGGAGGAGTCAGATT  
CACCATTAATGGAAGAACTACTTCGAGCTTGTCTTGATTAGCAATGTGGCTGGA  
GCTGGATCCATTCAATCTGTGTCCATTAAAGGCTCAAAAACAGGCTGGATGGCAA  
TGTCAAGAAATTGGGGAGCTAACTGGCAATCTAATGCTTATCTCAATGGCCAGTC  
TTTGTCTTTAAAATCACAAATACTGATGGACAGACCCGATTCTTCACGGACATT  
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### Nucleotide

>PtEXPA-11

AATAAATATAAATACACTAGCTACCAGCCTACCACCAATCCTCACTCTCTATTCTC  
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GACTCAAGGCTAGCTGCTACTGAGCTGTTGTGCTTTAGTGATCACGGATTTGCAG  
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