

## IDENTIFICATION

**Species:** *Populus deltoides*

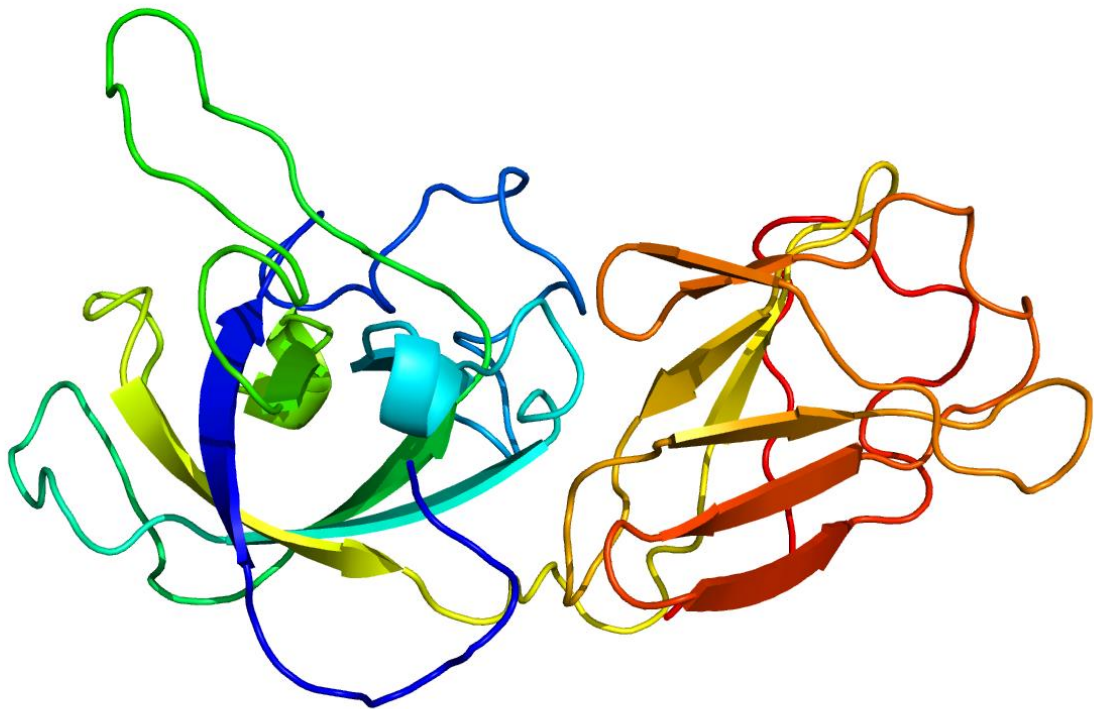
**Locus:** Podel.05G260100

**Gene Model:** Podel.05G260100.1.p

**Description:** PdEXPA-10

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

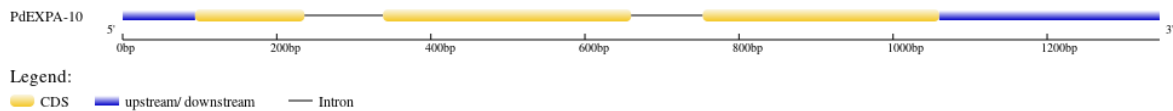
Phytozome: [https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1)

KEGG:-

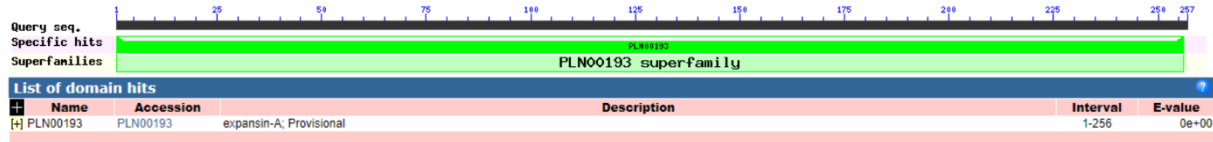
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PdEXPA-10

MGKFLLTFAILLQFCSYLAINVNAFAPSGWRKGHATFYGGSDASGTMGGACGYGNL  
YSTGYGTWTAALSTALFNDGASCGECYRIMCDFQTDPRWCIKGKSVTITATNFCPPN  
YALPNNNGGWCNPPLQHFDMAQPAWEKIGIYRGGIVPVLFRVPCKKHGGVRFTIN  
GRNYFELVMISNVAGAGSIQSVSIKGSKTGWMAMSRNWGANWQSNAYLNGQSLSF  
KITNTDGQTRFFTDIAPANWGFQTFSSSVQF\*

### CDS (coding sequence)

>PdEXPA-10

ATGGGGAAATTTCTTTTGACATTTGCAATCTTGCTTCAGTTCTGCTCTTATTTAGCT  
ATCAATGTTAATGCGTTTGCTCCATCTGGGTGGAGGAAAGGTCATGCTACATTTT  
ATGGAGGCAGTGACGCCTCAGGAACCATGGGAGGGGCTTGTGGATATGGAAACT  
TGTATTCTACTGGTTATGGGACCTGGACCGCTGCTTTAAGCACTGCTTTATTCAAT  
GATGGAGCTTCATGTGGGGAATGTTACAGAATTATGTGTGATTTTCAAACAGACC  
CCAGATGGTGTATTAAGGCAAGTCTGTGACCATTACGGCAACAAATTTCTGCCC  
CCCTAATTATGCTCTTCCAAACAACAATGGAGGCTGGTGCAACCCTCCTCTCCAG  
CACTTTGATATGGCTCAGCCTGCTTGGGAAAAGATTGGTATTTATAGAGGAGGAA  
TCGTGCCTGTTTTGTTTCAAAGGGTTCCTTGCAAGAAGCACGGAGGAGTCAGATT  
CACCATTAATGGAAGAACTACTTCGAGCTTGTCATGATTAGCAATGTGGCAGGA  
GCTGGATCCATTCAATCTGTGTCCATTAAAGGCTCAAAAACAGGCTGGATGGCAA  
TGTCAAGAAATTGGGGGGCTAACTGGCAATCTAATGCTTATCTCAATGGCCAGTC  
TTTGTCTTTAAAATCACAAATACTGATGGACAGACCCGATTCTTCACGGACATT  
GCTCCAGCAAATTGGGGATTTGGCCAGACTTTCTCTAGTTCAGTACAGTTCTAA

### Nucleotide

>PdEXPA-10

CCAATAAATATAAATACACTAGCTACCAGCCTACCACCAATCCTCACTCTCCATT  
CTCTTATCGTTGTTTCAGTAATATTCATCTTTTCAAGAGATGGGGAAATTTCTTTT  
GACATTTGCAATCTTGCTTCAGTTCTGCTCTTATTTAGCTATCAATGTTAATGCGTT  
TGCTCCATCTGGGTGGAGGAAAGGTCATGCTACATTTTATGGAGGCAGTGACGCC  
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GTCAGATTCACCATTAATGGAAGAACTACTTCGAGCTTGTCATGATTAGCAATG  
TGGCAGGAGCTGGATCCATTCAATCTGTGTCCATTAAAGGCTCAAAAACAGGCTG  
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GGCCAGTCTTTGTCCTTTAAAATCACAAATACTGATGGACAGACCCGATTCTTCA  
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ACAATAAGGTTCTGGCTCTGGATTATGATCTGAAGAGGGAGGGTGAAGAAAAGG  
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