

## IDENTIFICATION

**Species:** *Populus deltoides*

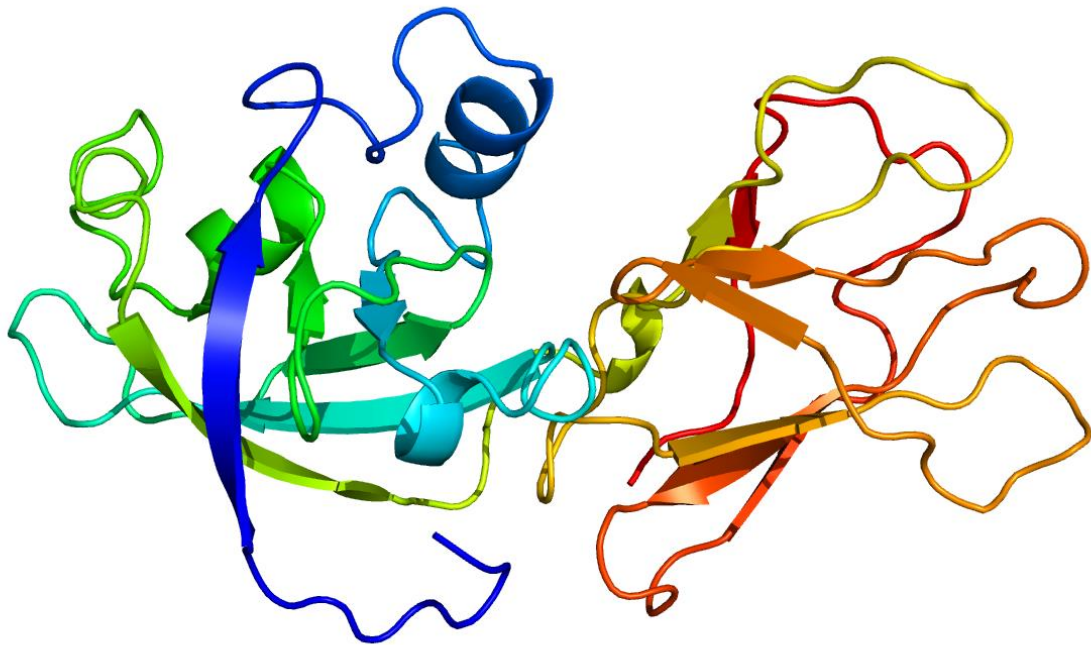
**Locus:** Podel.01G163200

**Gene Model:** Podel.01G163200.1.p

**Description:** PdEXLB-03

**Family:** Expansin Like Beta

**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:-

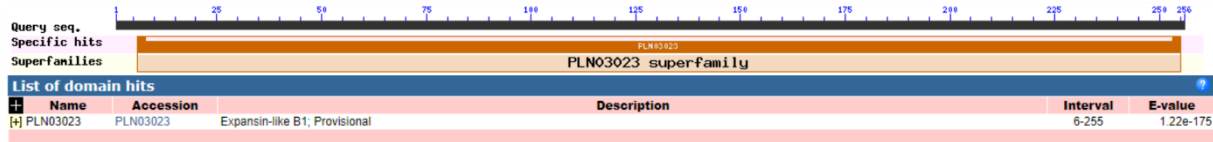
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PdEXLB-03

MIIMGFALKYGYLSILCVVAVALLPAISHSQDYTC SRATYFGSPDCLGTP TGACGFGGY  
GRTVNDANVAGVSRLFKN GTGCGGCYQVSCKAPNLCSD DGVNVVVTDYGEGDKTD  
FILSTRAYARMARPNMALDQLFAYGVVDIEFRMIPC RYSGYNLMFKVHEHSRFP EYL  
AIVLLYQAGQNEILAVELRQEDCKEWRGMRRAYGAVW DIPNPPKGAISLKLQVCGS  
AGVTWVQADNVLPDWDKAGVAYDSAIQLP\*

### CDS (coding sequence)

>PdEXLB-03

ATGATAATTATGGGGTTT GCGCTTAAATATGGTTATTCCATTCTTTGTGTCGTGGC  
AGTGGCACTACTGCCTGCAATAAGTCACTCCCAAGACTACACATGCTCAAGAGCA  
ACTTATTTTGGGAGCCCTGATTGCTTAGGGACCCCAACTGGAGCTTGCGGGTTTG  
GAGGATATGGAAGGACGGTCAATGACGCTAATGTAGCTGGTGTTC AAGACTCTT  
CAAGAATGGTACTGGCTGTGGTGGTTGCTATCAGGTTAGCTGCAAAGCTCCAAAC  
CTTTGCTCTGATGATGGGGTGAACGTAGTGGTACTGACTATGGTGAAGGAGACA  
AACTGACTTCATCCTCAGCACACGTGCATACGCAAGAATGGCACGTCCAAACAT  
GGCCTTAGATCAGCTGTTTCGCATATGGTGTGTGTTGATATAGAATTCAGGATGATC  
CCTTGCCGCTACTCTGGTTATAATCTCATGTTCAAGGTCCATGAACACAGCAGGTT  
TCCTGAGTACTTGGCCATAGTTCTTCTGTACCAAGCTGGCCAAAATGAGATTTTGG  
CTGTGGAATTACGGCAGGAGGATTGCAAGGAATGGAGAGGCATGAGAAGAGCCT  
ATGGGGCAGTGTGGGATATACCTAATCCACCAAAGGGTGCCATTAGCTTGAAGCT  
CCAGGTCTGTGGCAGCGCAGGGGTGACATGGGTCCAAGCAGATAATGTTTTACCA  
AGTGATTGGAAGGCTGGGGTTGCTTATGACTCTGCCATTCAGCTTCCTTAA

### Nucleotide

>PdEXLB-03

ATGATAATTATGGGGTTT GCGCTTAAATATGGTTATTCCATTCTTTGTGTCGTGGC  
AGTGGCACTACTGCCTGCAATAAGTCACTCCCAAGACTACACATGCTCAAGAGCA  
ACTTATTTTGGGAGCCCTGATTGCTTAGGGACCCCAAGTATAAATGTGTGTCGAG  
ATCTCCTATTTATTCAGAGTTCATAATTATTTTTTTATCTAGTTGTGCAAATGTAA  
ATATTTGTAAGAGGACGACTGCTGTGTAAGCTTAATTAACAACATATATGTTTTG

CATGAAACAAGTACTGAAATGCATGCATATAAATGTTAATGCAGCTGGAGCTTGC  
GGGTTTGGAGGATATGGAAGGACGGTCAATGACGCTAATGTAGCTGGTGTTC  
GACTCTTCAAGAATGGTACTGGCTGTGGTGGTTGCTATCAGGTA  
CTCGAATTCAA  
GGCACTTAATTATCAGTATTGAAAGTAATTA  
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AAATGTGTTTAAGTATTGATAATGCTGGT  
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TTGCTCTGATGATGGGGTGAACGTA  
GTGGTTACTGACTATGGTGAAGGAGACA  
AAA  
ACTGACTTCATCCTCAGCACACGTG  
CATACGCAAGAATGGCACGTCCAAACAT  
GGCCTTAGATCAGCTGTTTCGCATATGG  
TGTTGTTGATATAGAATTCAGGATGATCC  
CTTGCCGCTACTCTGGTTATAATCTCA  
TGTTCAAGGTCCATGAACACAGCAGGTT  
CCTGAGTACTTGGCCATAGTTCTTCTG  
TACCAAGCTGGCCAAAATGAGATTTTGG  
CTGTGGAATTACGGCAGGTATGTTTTG  
ATTTCTTCTTCTGATATTCTTTTTTTAC  
CTTTAATACCACTATACAGGAACTAGCA  
TGTGAGAACTTGACGTGATGTCCTTAAT  
TTAATTACATGTAGGAGGATTGCAAGGA  
ATGGAGAGGCATGAGAAGAGCCTATGG  
GGCAGTGTGGGATATACCTAATCCACC  
AAAGGGTGCCATTAGCTTGAAGCTCCAG  
GTCTGTGGCAGCGCAGGGGTGACATG  
GGTCCAAGCAGATAATGTTTTACCAAGT  
GATTGGAAGGCTGGGGTTGCTTATGAC  
TCTGCCATTCAGCTTCCTTAA