

IDENTIFICATION

Species: *Populus deltoides*

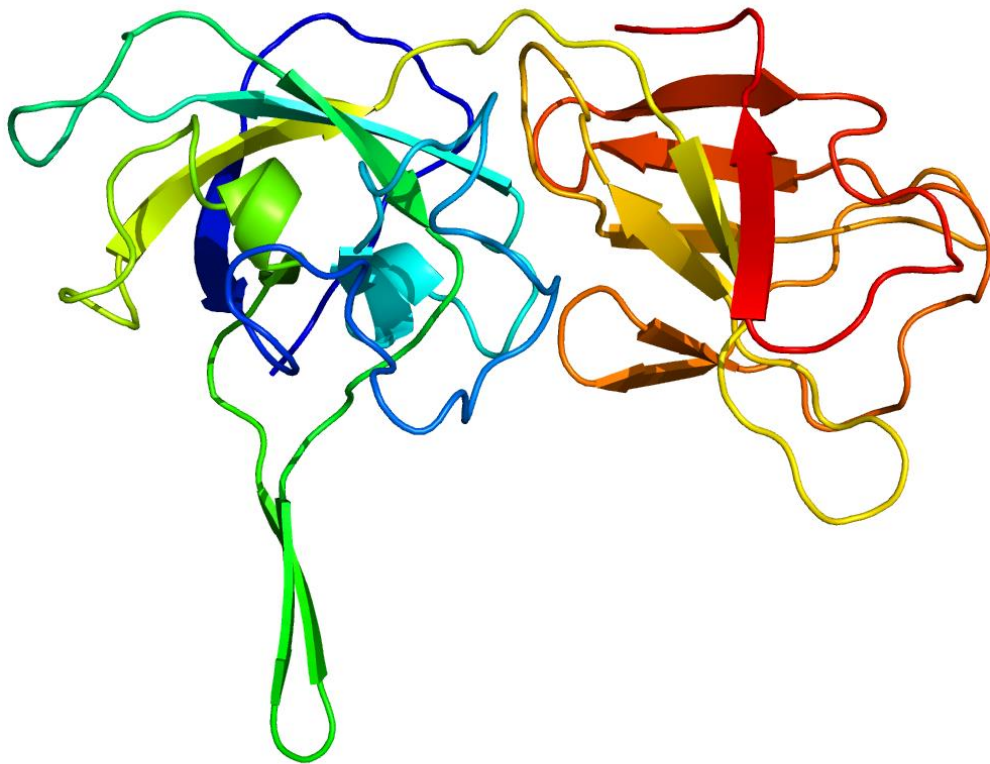
Locus: Podel.01G119300

Gene Model: Podel.01G119300.1.p

Description: PdEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

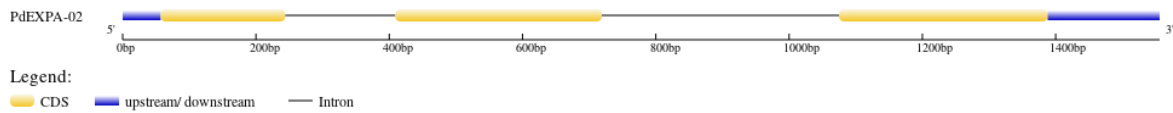
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

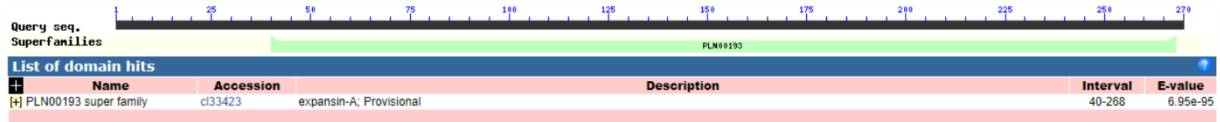
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-02

MASFFHSWSFSLFLIVLTSAMFIGKSMAVGYGKARVPTVFRPSQWSLAHATFYGDET
ARETMGGACGYGNLFQTGYGTNTAALSTTLFNNGYACGTCYQIKCTKAPACYGVIT
TVTATNICPPNWSKDSNNGGWCNPPRVHFDMSKPAFMKIAQWKAGIVPVMYRRVPC
ARTGGLRFLKLGNGYWLLVYVMNVGGGGDIASMWVKGSKTGWISMShNWGASY
QAFASLGGQALSFKITSYTTKQTVIALNVAPPNWGVGMTYKSTVNFS*

CDS (coding sequence)

>PdEXPA-02

ATGGCTTCCTTTTTTCATTCATGGAGCTTTAGCCTCTTCTTGATAGTGTTGACTTCA
GCAATGTTTCATCGGCAAATCAATGGCCGTAGGTTATGGTAAAGCACGCGTACCAA
CGGTGTTCCGGCCGAGCCAATGGTCGCTTGCCACGCCACCTTTTATGGCGATGA
GACCGCTCGCGAGACCATGGGAGGGGCTTGCGGGTATGGAAATTTGTTCCAAACT
GGATACGGAACCAATACAGCTGCATTGAGCACAACATTATTCAACAACGGATAT
GCCTGTGGGACTTGTACCAAATAAAATGTACGAAAGCTCCTGCATGCTATGGGG
TAATTACAACGGTGACTGCTACGAACATCTGCCCTCCGAATTGGTCCAAGGATTC
TAACAATGGTGGATGGTGCAACCCTCCTCGAGTTCACCTTGACATGTCCAAGCCT
GCATTCATGAAAATTGCTCAATGGAAGGCTGGCATCGTCCCCGTCATGTACCGAA
GAGTACCATGTGCAAGAAGTGGCGGGCTTCGATTCAAGCTCCAAGGAAATGGGT
ACTGGTTGCTGGTGTATGTGATGAATGTAGGAGGAGGTGGTGACATTGCCAGCAT
GTGGGTGAAGGGAAGCAAAACAGGATGGATAAGCATGAGCCATAACTGGGGAG
CTTCATAACAGGCATTTGCTAGCCTTGGAGGCCAAGCTCTATCTTTCAAGATCACT
TCTTACACAACCAAGCAGACTGTTATTGCATTGAATGTTGCTCCTCCAAACTGGG
GTGTAGGGATGACTTATAAATCAACTGTGAACTTCAGTTAG

Nucleotide

>PdEXPA-02

CCGTACTTTCTCACAAAGGCCTTCGAGGAGAGGTTAGCAATAGTCAACAGAAAA
GCCATGGCTTCCTTTTTTCATTCATGGAGCTTTAGCCTCTTCTTGATAGTGTTGACT
TCAGCAATGTTTCATCGGCAAATCAATGGCCGTAGGTTATGGTAAAGCACGCGTAC
CAACGGTGTTCCGGCCGAGCCAATGGTCGCTTGCCACGCCACCTTTTATGGCGA
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TCAAGTGCTGCTATAACAAAATGTTCCCTTTTATGTGTTTAATTAGGCACAACATA
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GATACGGAACCAATACAGCTGCATTGAGCACAACATTATTCAACAACGGATATGC
CTGTGGGACTTGTTACCAAATAAAAATGTACGAAAGCTCCTGCATGCTATGGGGTA
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TCCATCGTGAATTTCTTTAATTGGAATAGGAAAGTGAATTTGGTTTATGCAAGCT
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CAAGCTCCAAGGAAATGGGTACTGGTTGCTGGTGTATGTGATGAATGTAGGAGG
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ACCAAGAATGGAATTTCACTTGCTGTAATGAGAGATCTAGTGGAAGATGTCCAGA
TTATTT