

IDENTIFICATION

Species: *Populus deltoides*

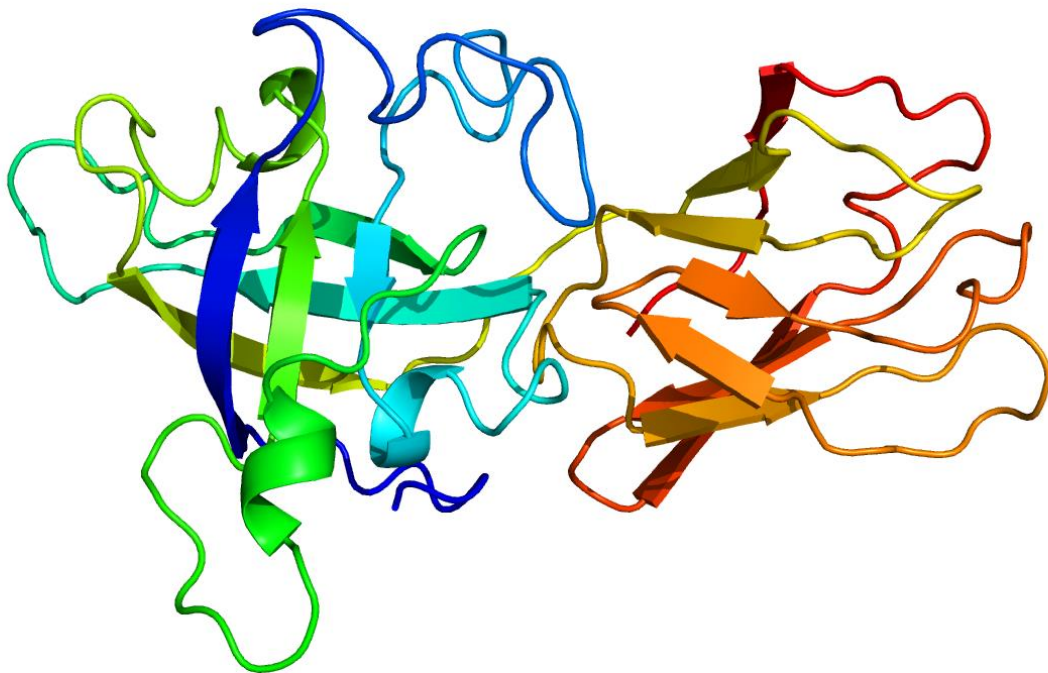
Locus: Podel.17G096700

Gene Model: Podel.17G096700.1.p

Description: PdEXPA-26

Family: Alpha Expansin

3D structure:



GENOME DATABASES

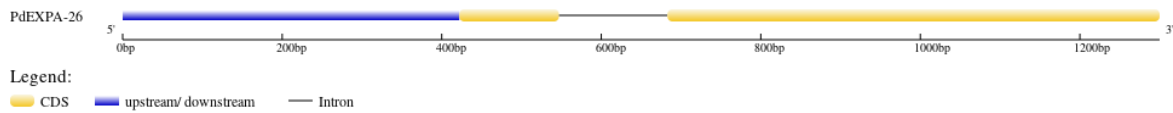
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

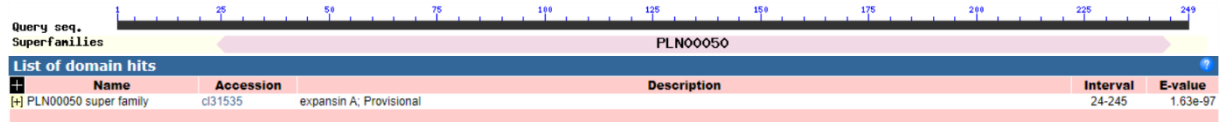
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-26

MEVLMALLGVARSDQISFGEKIDSSWHDAHATFYGDIKGGQTMMGACGYGDLFKQ
GYGLQTAALSTTLFNNGQTCGACFELKCVNDPQWCKNHAGTIKITA TNLCPNYGAP
NAWCNPPQQHFDLSMPMFLTIAEYRAGIVPVKYRKILCSKEGGVKFDIHGNPYWML
VLVRNVAGAGEVINVKIKGSQTRWIQMSRNWQNWQTGTDLVGQSLSFLVTTSDY
KRLYFNDVAGADWSFGQAYDGKINF*

CDS (coding sequence)

>PdEXPA-26

ATGGAAGTGTTAATGGCACTTTTGGGAGTGGCTAGGAGTGACCAAATTAGCTTTG
GTGAAAAAATAGATAGTTCATGGCATGATGCACATGCAACTTTTTATGGGGACAT
AAAAGGAGGACAAACAATGATGGGAGCTTGTGGCTATGGCGATCTCTTCAAACA
AGGGTATGGACTTCAAACAGCAGCCTTAAGCACAACTCTTCAAACAATGGACA
AACCTGTGGTGCTTGCTTTGAACTCAAGTGTGTGAATGATCCACAATGGTGCAA
AACCATGCTGGCACCATCAAATCACAGCAACCAATTTATGCCCTCCTAATTACG
GAGCTCCCAATGCTTGGTGCAACCCACCACAACAACATTTTGATCTATCAATGCC
CATGTTTTTAACGATCGCAGAATATAGAGCAGGGATTGTCCCTGTTAAGTATCGC
AAAATCTTGTTCCAAAGAAGGAGGGGTTAAGTTTGACATTCATGGCAATCCTT
ATTGGATGCTTGTGTTAGTGCGCAATGTTGCAGGGGCTGGTGAAGTTATTAATGT
CAAGATTAAGGGCTCACAACTCGTTGGATACAAATGTCAAGAACTGGGGACA
GAACTGGCAAACCGGGACTGATCTCGTTGGACAAAGCTTGTCATTCTAGTTACT
ACAAGTGACTACAAGAGATTATACTTTAATGATGTTGCCGGTGCTGACTGGAGTT
TTGGACAAGCTTACGATGGGAAAATAAACTTTTAA

Nucleotide

>PdEXPA-26

ATGGAAGGTAATATCTTTCTTTTAAGTCATGTCATGAAATAGAATAGTTTTTATCT
TACCTCTTAATAAGATGATATTTTCATTTTAATAACTATAATTAATATTTATTTATTT
TAAATTTAATTATGTTGCTAAATAAGATGTATTGGTTGATTCATGGTGAGCTAAA
GAAGGCAAGTAATTTTTTTAGGTTACCCTAATAATTTTTCCTTATCTTTCAACCAA
GACTATCATCCATGAAAATCTTATGGATTGATAATATAAAATCAAACCCCATTA
TTATGTTTCCTATTCGGTGTTTAATTGATGGCTATATGTATAAATATGAAGTCAA

CAATCATAACAATCAAACCTTTAGCATTTTTCTTCAATATCTCTTTCTCTATATCAT
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CTAGGAGTGACCAAATTAGCTTTGGTGAAAAAATAGATAGTTCATGGCATGATGC
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GACTTCAAACAGCAGCCTTAAGCACAACTCTTCAACAATGGACAAACCTGTGG
TGCTTGCTTTGAACTCAAGTGTGTGAATGATCCACAATGGTGCAAAAACCATGCT
GGCACCATCAAAATCACAGCAACCAATTTATGCCCTCCTAATTACGGAGCTCCCA
ATGCTTGGTGCAACCCACCACAACAACATTTTGATCTATCAATGCCCATGTTTTTA
ACGATCGCAGAATATAGAGCAGGGATTGTCCCTGTAAAGTATCGCAAAATCTTGT
GTTCCAAAGAAGGAGGGGTTAAGTTTGACATTCATGGCAATCCTTATTGGATGCT
TGTGTTAGTGCGCAATGTTGCAGGGGCTGGTGAAGTTATTAATGTCAAGATTAAG
GGCTCACAACTCGTTGGATACAAATGTCAAGAACTGGGGACAGAACTGGCAA
ACCGGGACTGATCTCGTTGGACAAAGCTTGTCATTCCTAGTTACTACAAGTGACT
ACAAGAGATTATACTTTAATGATGTTGCCGGTGCTGACTGGAGTTTTGGACAAGC
TTACGATGGGAAAATAAACTTTTAA