

IDENTIFICATION

Species: *Populus deltoides*

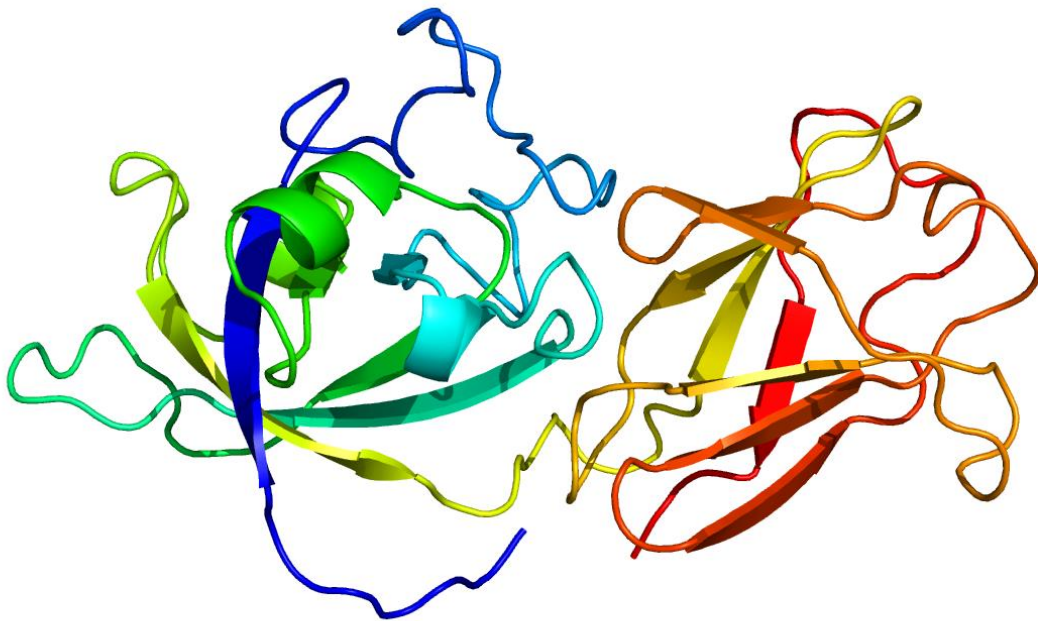
Locus: Podel.17G089000

Gene Model: Podel.17G089000.1.p

Description: PdEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

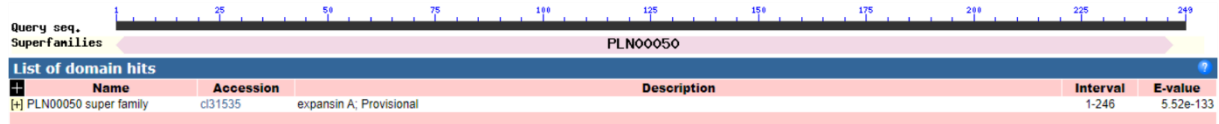
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-24

MAPFGFLLVGFLSIVSSVHGYYGGWINAHATFYGGGDASGTMAWLFTFQGGACGYG
NLYSQGYGANTAALSTALFDNGLSCGACFEIRC VNDPKWCLRGSIVVTATNFCPPGG
WCDPPNKHFDLSQPVFQHIAQYRAGIVPVIYRRVRCRKS GGI RFTINGHSYFNLVLITN
VGGAGDVRSVAIKGSRTRWQAMSRNWGQNWQSNAYLDGQSL SFLVTTSDGRRVVS
YNVAPAGWSFGQTYSGGQFRY*

CDS (coding sequence)

>PdEXPA-24

ATGGCTCCTTTTGGGTTTCTTTTAGTGGGGTTTCTCTCCATTGTCTCGTCTGTTTCAT
GGATATTATGGAGGTTGGATTAACGCACATGCCACTTCTATGGAGGTGGCGATG
CTTCAGGGACAATGGCCTGGTTATTTACGTTTCAAGGCGGGGCTTGTGGCTATGG
AAACCTCTACAGCCAGGGTTATGGAGCTAACACAGCAGCACTGAGCACTGCATTG
TTTGACAATGGTCTGAGCTGCGGGGCTTGTTTTGAGATCAGATGTGTGAATGACC
CTAAGTGGTGCCTGCGTGGCTCCATTGTGGTCACTGCCACTAACTTTTGCCCTCCC
GGAGGCTGGTGTGATCCTCCCAACAAGCATTTTGATCTCTCTCAACCTGTCTTCCA
GCACATTGCCCAATATAGAGCTGGAATCGTCCCAGTAATTTACAGAAGGGTAAGA
TGCAGGAAGAGTGGAGGCATTAGGTTACCATCAATGGCCACTCATACTTCAATT
TAGTCCTGATCACCAACGTTGGCGGGCGCCGGTGATGTGCGTTCTGTGGCCATCAA
GGGTTCAAGAACTCGATGGCAAGCAATGTCAAGAACTGGGGCCAAAATTGGCA
GAGTAATGCTTACCTTGATGGGCAAAGTCTCTCTTTTCTAGTTACCACAAGTGACG
GTCGCAGAGTGGTTTCTTACAATGTTGCCCTGCTGGCTGGTCTTTGGACAGACA
TACAGTGGAGGGCAGTTTAGGTACTAG

Nucleotide

>PdEXPA-24

ATTTCCCACAATTACTATCTTTTCCAAAGGTTTATCATTTTCTACTAACACTATCT
TTTTCTTTTGTTCCTTAGTTACTAGCAAGAATTTTATTTATTTAGTATTGCTG
TACTTTTATTTTAAGCAGGTGAAATGTGACTTTGCCTGAGGGATTCATATAATTT
CATGCAGGAAAATGGCTCCTTTTGGGTTTCTTTTAGTGGGGTTTCTCTCCATTGTC
TCGTCTGTTTCATGGATATTATGGAGGTTGGATTAACGCACATGCCACTTCTATGG
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GAAAATCATATTGTACATGCAAGTTCTATCATGTGTAATCTCCTTAAACTACCGTC
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CACATTGCCCAATATAGAGCTGGAATCGTCCCAGTAATTTACAGAAGGCATGTTA
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ACCAACGTTGGCGGCCCGGTGATGTGCGTTCTGTGGCCATCAAGGGTTCAAGAA
CTCGATGGCAAGCAATGTCAAGAACTGGGGCCAAAATTGGCAGAGTAATGCTT
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CAGTAGTTCAGTGTGCCCCAGCTCGTCTGTATTCAATCGATCAGCTATTAAATGCA
CAGGCAGGCAATGTCATTTGTAACGAAAGGGAGATCTCAACCTTCTCTTTAATTT
CCTCTCTTTTCCATGTTGATTACTTT