

IDENTIFICATION

Species: *Populus deltoides*

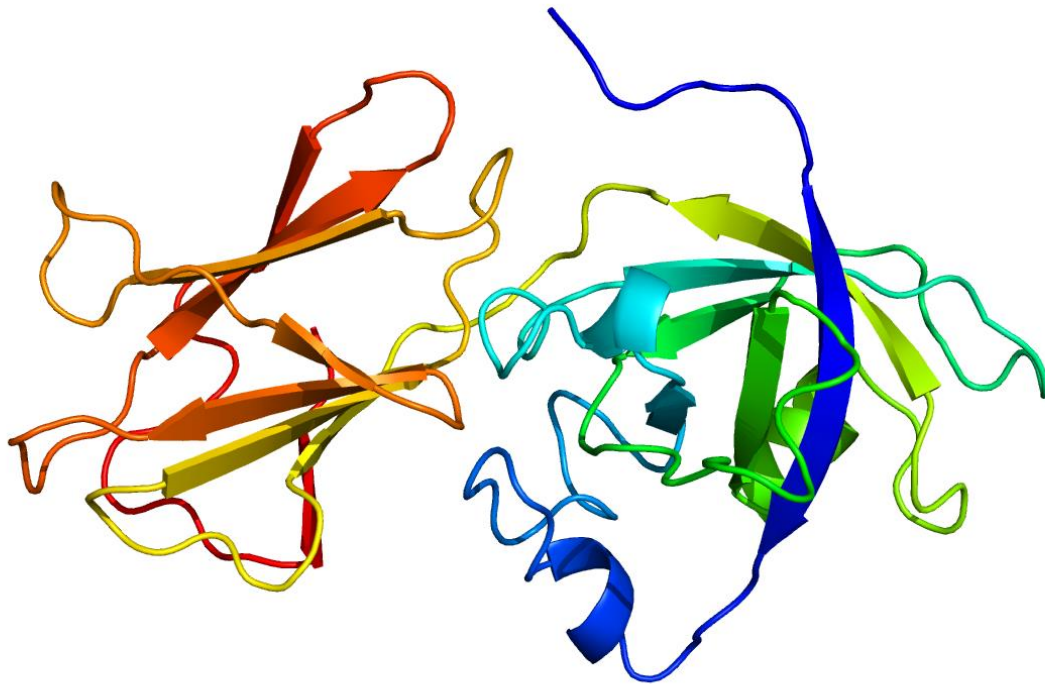
Locus: Podel.04G131300

Gene Model: Podel.04G131300.1.p

Description: PdEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

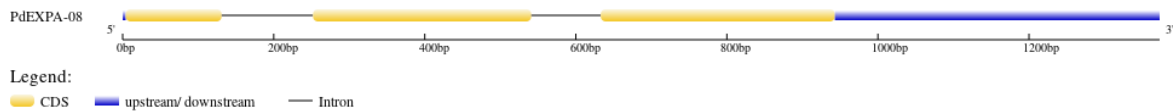
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

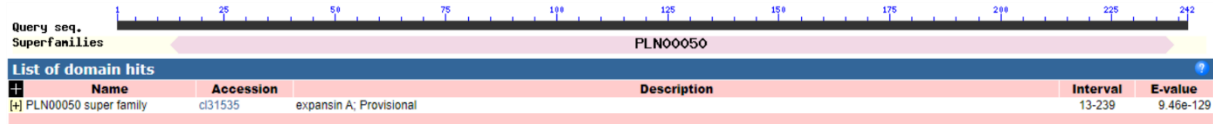
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-08

MALLGFLLVGFLSSVSSVHGYYGGWINAHATFYGGGDASGTMGGACGYGNLYSQG
YGTNTAALSTALFDNGLSCGACFEIRCVNDPQWCLPGVIMVTATNFCPPGGWCDPPN
HHFDLSQPVFQHIAQYRAGIVPVIYRRIRCRRSGGIRFTINGHSYFNLVLITNVGGAGD
VHVAIKGSRTGWQMSRNWQNWQSN SYLNGQSLSFVVTTSDGRSVVSYNVAPA
GWSFGQTYSGGQYRY*

CDS (coding sequence)

>PdEXPA-08

ATGGCTCTTCTTGGGTTTCTTTTAGTGGGGTTTCTCTCCTCTGTCTCTTCTGTTTCAT
GGATATTATGGAGGTTGGATTAACGCTCATGCCACTTTCTATGGAGGTGGCGATG
CTTCAGGGACAATGGGTGGGGCTTGTGGCTATGGAAATCTGTACAGCCAGGGTTA
TGGAACATAACACAGCAGCACTGAGCACTGCATTGTTTCGACAATGGTTTGAGCTGT
GGGGCCTGCTTTGAGATCAGATGTGTAATGATCCACAGTGGTGCCTGCCTGGTG
TAATTATGGTCACCGCTACTAACTTCTGCCCTCCCGGCGGCTGGTGTGATCCTCCC
AACCATCATTTTGATCTCTCTCAACCTGTCTTCCAACACATTGCCAATATAGAGC
CGGAATTGTCCCAGTAATCTACAGAAGGATAAGATGCAGGAGGAGCGGAGGCAT
TCGGTTCACCATCAATGGCCACTCATACTTCAATTTAGTCCTGATTACCAATGTTG
GCGGTGCTGGCGATGTGCATTCAGTGGCCATCAAAGGTTTCGAGA ACTGGGTGGCA
ATCAATGTGCGAGAACTGGGGCCAAA ACTGGCAGAGTAACTCTTACCTTAACGG
ACAGAGTCTCTTTTTGTAGTGACGACTAGTGATGGCCGCAGTGTGGTTTCTTACA
ATGTCGCCCTGCTGGTTGGTCTTTGGGCAGACGTATAGTGGAGGGCAGTATAG
GTACTAG

Nucleotide

>PdEXPA-08

GAAAATGGCTCTTCTTGGGTTTCTTTTAGTGGGGTTTCTCTCCTCTGTCTCTTCTGT
TCATGGATATTATGGAGGTTGGATTAACGCTCATGCCACTTTCTATGGAGGTGGC
GATGCTTCAGGGACAATGGGTATGTGAGACATGTGTTCTTTATTTTTTTTTGATTG
GAAAATCATGTACATGCAAGCTCTATGATGTATAATCTTCTTACAATATTGTCCTG
GCTAACCATAGCTTGGTTGTGTTTTAAGGTGGGGCTTGTGGCTATGGAAATCTGT
ACAGCCAGGGTTATGGAACATAACACAGCAGCACTGAGCACTGCATTGTTTCGACA

ATGGTTTGAGCTGTGGGGCCTGCTTTGAGATCAGATGTGTAAATGATCCACAGTG
GTGCCTGCCTGGTGTAATTATGGTCACCGCTACTAACTTCTGCCCTCCCGGCGGCT
GGTGTGATCCTCCCAACCATCATTTTGTCTCTCAACCTGTCTTCCAACACATT
GCCCAATATAGAGCCGGAATTGTCCAGTAATCTACAGAAGGTAGGTTAATTAAT
CAACACTTTTTTCATGCTTTATTAATTCCGCTCAGAACTTCTTAACCTAACAGATTA
ATGAGGTTACGGATTGTTATAGGATAAGATGCAGGAGGAGCGGAGGCATTTCGGT
TCACCATCAATGGCCACTCATACTTCAATTTAGTCCTGATTACCAATGTTGGCGGT
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GTCTCTCTTTTGTAGTGACGACTAGTGATGGCCGCAGTGTGGTTTCTTACAATGTC
GCCCCTGCTGGTTGGTCCTTTGGGCAGACGTATAGTGGAGGGCAGTATAGGTACT
AGCAACGATTGCCTGTCCTGGAAAAAGACATATAGAATATGCAGTATTATCAAGC
AACACGCCGGCGGCACCATTATTGAAGATGTAGTGCTCTCTGTGTTTGTGCAAG
ACAGAAAGTATATGGTCAACGTACCTTGGGTCAATGTCTCTTATGAATTAGCCCT
AATCCCACTTTCCTATCTCATGAGCCAAGGCTTCATTTTTACTGCAGGAGTGTGT
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TTAGAAATAACAAGTAAATTTTAAAAGGCTTGTGGTAAAAAAGAAGATAAGAAG
GTCAGTGTGGAAGCTCGTAGTTCAGTGTGCCCTTGTGTTGATTTGATCTGCAAAA
TAAATGCACCTTTTGATATAGTTAATTCTAATGAAAGTGAGATCTC