

IDENTIFICATION

Species: *Populus deltoides*

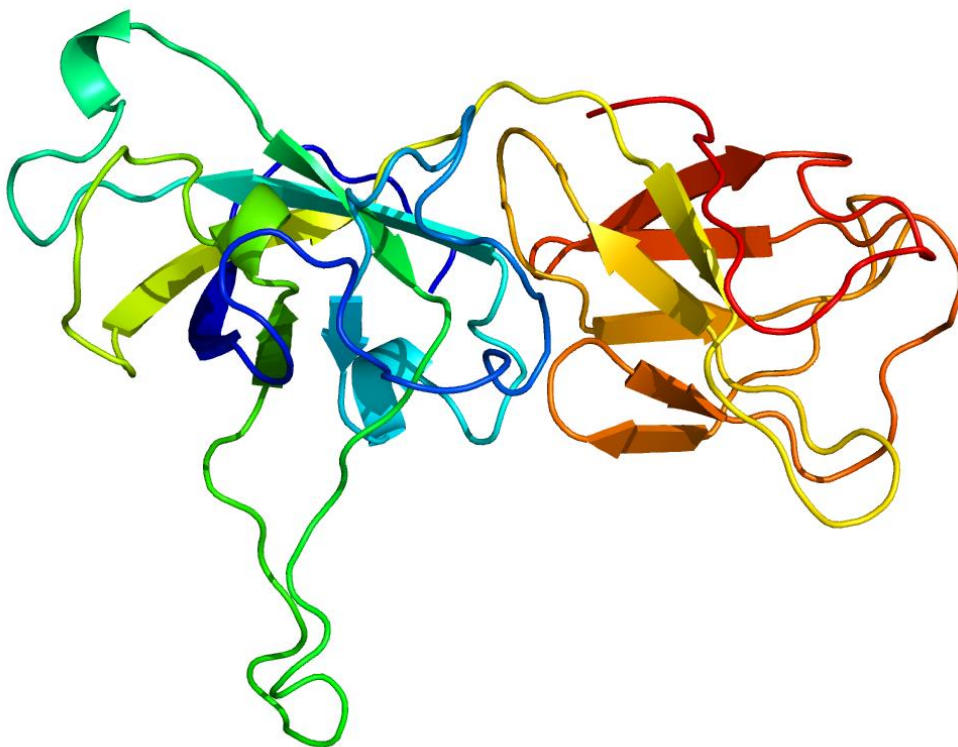
Locus: Podel.04G214200

Gene Model: Podel.04G214200.1.p

Description: PdEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

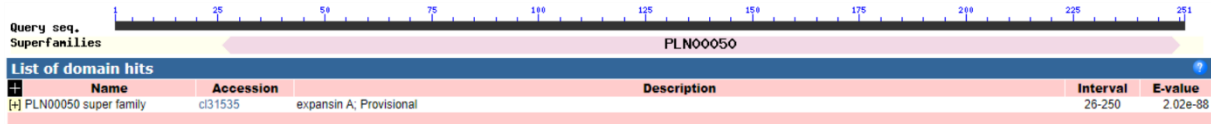
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-09

MGALKAMLLYLIHQTKITADDEEWKSATATYVKETNGSIVVEGACGYADLHKAT
YGKYSAGLSSMLFNRGSTCGACFEVRCVDHILWCLQGPSVILTATDFCPPNYGLSA
DYGGWCNFPKEHFEMSEAAFTIEIAEKKADIVPVQHRRVKCERRGGLRFTVSGNFHFY
QVLISNVGLDGEVIAVKVKGSKTAWIPMARNWGQNWQSNVNLIGQPLSFVTTSSR
KTLTSYNVAPANWQFGQTFEGKQF*

CDS (coding sequence)

>PdEXPA-09

ATGGGTGCTCTAAAAGCCATGCTTCTCTACTTGATTATACACCAGACATGGAAGA
TCACCGCTGATGATGAGGAATGGAAGTCTGCCACTGCAACATACGTTAAGGAAA
CAAATGGATCGATCGTTGTAGAAGGTGCTTGTGGGTATGCGGACCTTCACAAGGC
CACCTATGGAAAGTACAGTGCTGGACTAAGTAGCATGCTGTTCAACAGAGGGAG
TACCTGTGGGGCTTGCTTCGAGGTCAGATGTGTGCGACCACATCTTATGGTGCCTGC
AGGGTAGCCCCTCGGTCATTCTCACTGCAACAGATTTCTGTCCTCCAAATTACGG
GCTTTCGGCGGATTATGGTGGCTGGTGTAAATTTCCCGAAAGAACAACCTTCGAGATG
TCAGAGGCAGCATTACTGAAATCGCAGAGAAAAAGCCGATATTGTGCCAGTTC
AACACAGAAGGGTGAAGTGTGAAAGAAGGGGTGGGTTGAGATTCACAGTGAGTG
GAAATTTCACTTCTATCAAGTCCTGATCTCCAATGTGGGGTTGGATGGTGAGGT
GATTGCTGTGAAAGTGAAGGGTTCGAAAACAGCATGGATACCTATGGCAAGAAA
CTGGGGACAAAACCTGGCAATCTAATGTCAACCTTATTGGACAGCCTCTATCTTTC
GAGGTTACAACCAGCAGCAGAAAAACACTCACATCTTACAATGTTGCACCAGCA
AACTGGCAATTCGGTCAGACATTTGAAGGCAAACAATTCTAG

Nucleotide

>PdEXPA-09

TCCCTACATTTTGGACTACGGTCTCCCAAAGAGCCTGTTTGTCAAATTTACAGT
TTCGTCTAAGGGGTGGCCATCTAACCAACAAAGCTAGCTTCATTTACGCAAGGAG
ATTCGGGTCATTTCCCAAAGAAAAGGGTGGTCTTTCTCTTCACTCAAGACCATAA
TTTACAGAGAAGAGAAGAAAGGGAAAAACAAGAAGAAAAGAATCTCATCAA
GTACAAATCAGAATTCTCATAGTCGTTGCTTATCAAATGGGTGCTCTAAAAGCCA
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AACTGCCATTGTTTAATGTTGCAGAAGGTGCTTGTGGGTATGCGGACCTTCACAA
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GAGTACCTGTGGGGCTTGCTTCGAGGTCAGATGTGTGCGACCACATCTTATGGTGC
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GGCTTCTCTATTTTATAGTACCTTAGATGAGCAAACATTGATTATGCTAATTTTGT
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CAAACCTGGCAATCTAATGTCAACCTTATTGGACAGCCTCTATCTTTCGAGGTTAC
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GAAAAAAAGGAATGCAAGGTCCAGTTTTGTCTCTTTACGTGCTTTTGAGAGTA
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