

IDENTIFICATION

Species: *Populus deltoides*

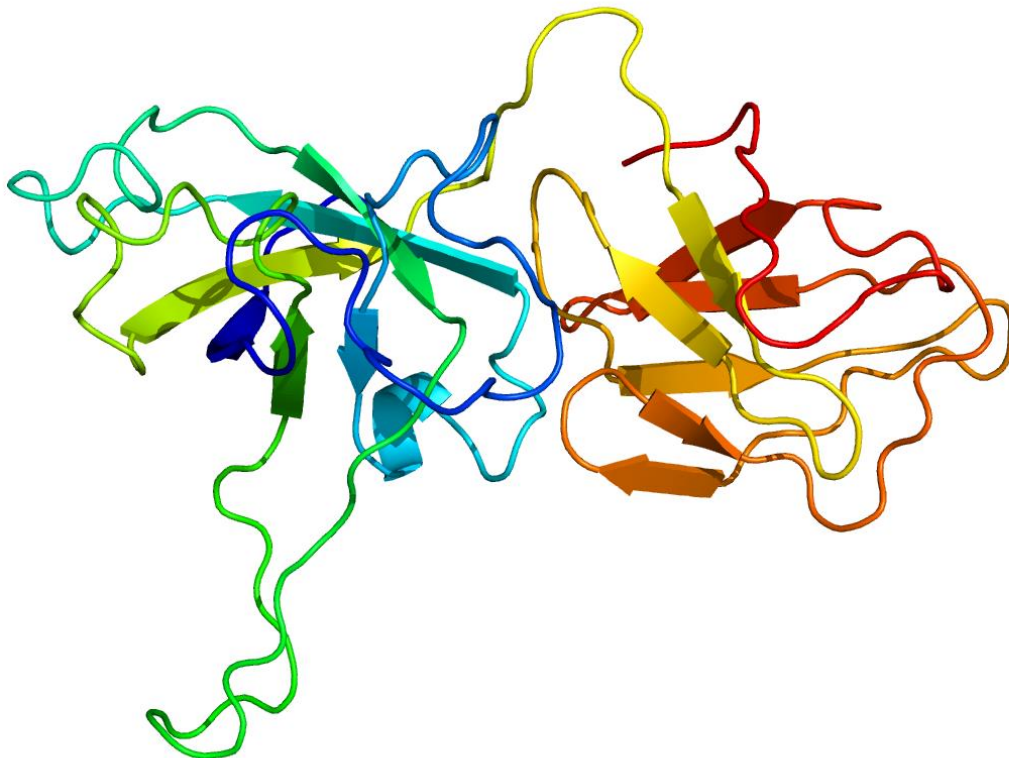
Locus: Podel.02G204000

Gene Model: Podel.02G204000.1.p

Description: PdEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

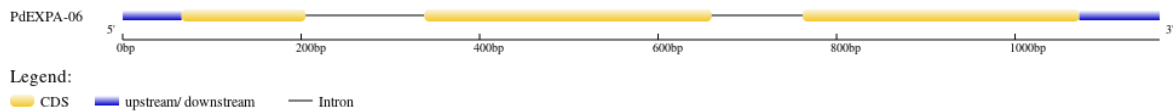
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

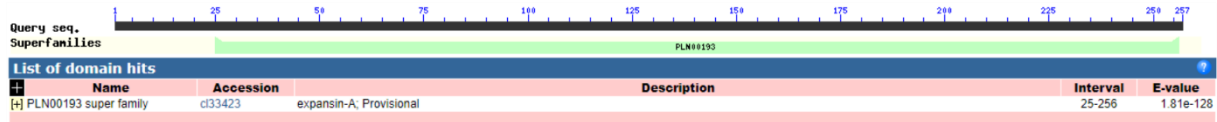
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-06

MASLSVLSCAVFLFLGIYCTQFHSSASAAWQQAHAATFYGGSDASGTMGGACGYGNLY
TDGYGIKTAALSTALFNDGKSCGGCYQIICDSTKVPQWCLRGKYITITATNFCPPNYN
LPNDNGGWCNPPRPHFDMSQPAFQTIKRYRAGIVPILYRKVGCDSGGIRFTINGKNY
FELVLISNVGGAGDISRVWIKGSKSNQWEAMSRNWGSNWQSLSYLNGQSLSFKIQTS
NGKTRTALNVAPSNWVFGQSFKSNVQF*

CDS (coding sequence)

>PdEXPA-06

ATGGCAAGCCTTTCTGTTCTCAGCTGTGCAGTATTTTTGTTCTAGGTATATACTG
CACACAGTTTCACTCAGCCTCCGCGGCTTGGCAACAAGCCCATGCAACTTTCTAT
GGGGGAAGTGATGCTTCTGGTACAATGGGTGGTGCCTGTGGATATGGAAACCTTT
ACACCGATGGCTATGGAATAAAACTGCCGCACTGAGCACGGCTTTGTTCAATGA
TGGCAAGTCATGTGGCGGGTGCTATCAGATAATCTGTGATTCAACGAAGGTTCT
CAGTGGTGCCTAAGGGGTAAATATATTACCATCACTGCTACTAATTTCTGTCCACC
AAATTATAACCTCCCTAATGACAATGGCGGCTGGTGCAACCCTCCTCGGCCGCAT
TTCGACATGTCTCAGCCTGCTTCCAGACTATTGCCAAGTACAGAGCTGGAATTGT
ACCTATCCTCTACAGAAAGGTGGGCTGCGACAGAAGTGGAGGCATCAGATTTACC
ATCAATGGAAAGAACTACTTTGAGCTGGTGCTTATATCCAATGTCGGTGGAGCTG
GAGATATCTCTAGGGTATGGATCAAAGGGTCTAAATCTAACCAATGGGAGGCCAT
GTCAAGAACTGGGGATCCAATTGGCAGAGCCTGAGCTATCTAAATGGTCAGAG
CTTGTCTTCAAATCCAAACCAGCAATGGGAAGACCAGAACAGCACTCAACGT
GGCACCTCCAATTGGGTGTTTGGGCAGTCCTTCAAAGCAATGTTTCAGTTCTAA

Nucleotide

>PdEXPA-06

CTATCTAGCTCTAGCAATAGCAAATAAACCAGCCTTCATTGTCTTGGAGAACAGA
TAATTAATATTATGGCAAGCCTTTCTGTTCTCAGCTGTGCAGTATTTTTGTTCTA
GGTATATACTGCACACAGTTTCACTCAGCCTCCGCGGCTTGGCAACAAGCCCATG
CAACTTTCTATGGGGGAAGTGATGCTTCTGGTACAATGGGTAAAGTACTGCTTATTT
ACTTTCAATATTCTCTCTTTCTATGTGCCCTAAGGGAAAGTATTGCGGTGCAACAT
GTGATGATACAGTTGTTCAAAAAAGTGCTGACTGTTTTGAGTTAATGATGCCCAT

TTTAGGTGGTGCCTGTGGATATGGAAACCTTTACACCGATGGCTATGGAATAAAA
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ATCAGATAATCTGTGATTCAACGAAGGTTCCCTCAGTGGTGCCTAAGGGGTAAATA
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AAGTGGAGGCATCAGATTTACCATCAATGGAAAGA ACTACTTTGAGCTGGTGCTT
ATATCCAATGTCGGTGGAGCTGGAGATATCTCTAGGGTATGGATCAAAGGGTCTA
AATCTAACCAATGGGAGGCCATGTCAAGAACTGGGGATCCAATTGGCAGAGCC
TGAGCTATCTAAATGGTCAGAGCTTGTCTTCAAAAATCCAAACCAGCAATGGGAA
GACCAGAACAGCACTCAACGTGGCACCCCTCCAATTGGGTGTTTGGGCAGTCCTTC
AAAAGCAATGTTTCAGTTCTAATTCTAAAAATCATGCACAGGATAGCTGCAAAAAGT
TCCTGATAGTGTGCCTTTTCCCCTTTGCAACCTGTCGTCTTTAATTTGTTAAAGTG