

IDENTIFICATION

Species: *Populus deltoides*

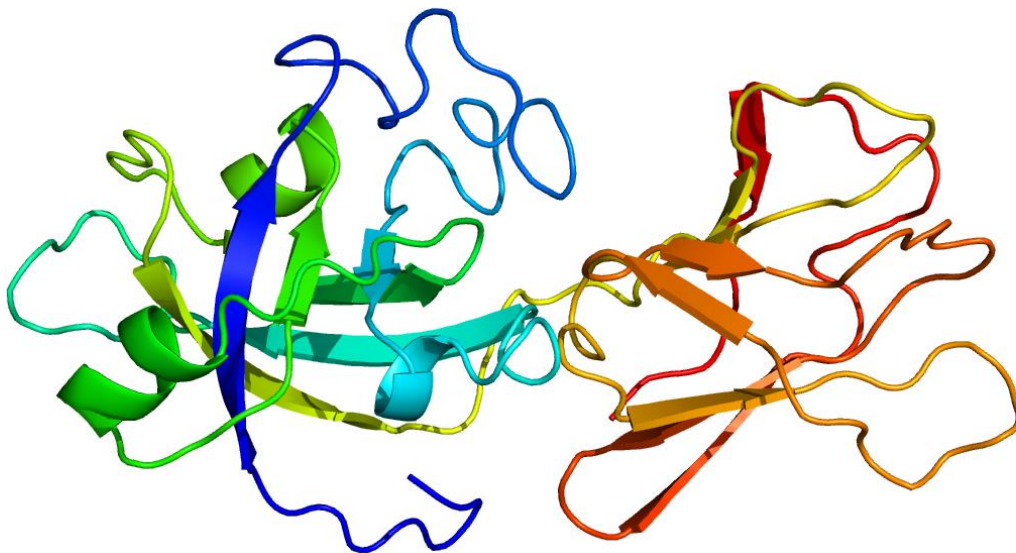
Locus: Podel.01G425100

Gene Model: Podel.01G425100.1.p

Description: PdEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

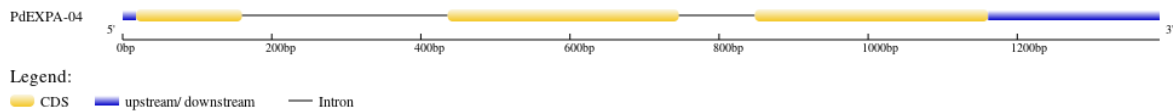
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

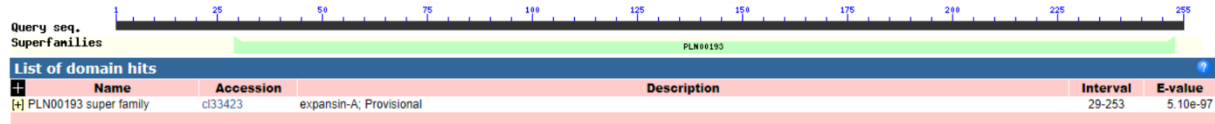
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-04

MGPFFVTLVLCQFLFFVCLLSLKGINGGWLNHAHATFYGANQSPATLGGACGYDNT
FHAGFGVNTAAVSGALFRGGEACGACYQLMCNYRADPKWCLRRAVITVTATNFCPP
NNGGWCDDPPRQHFDMSMPAFFRIARQGNIGVPLVYRRVSCTRRGGVRFRTLGRQS
NENLVMISNVGGSGDIKAAWVRDSRARSWVPLHRNWGANWQSSFDLRNQKLSFKL
TLVDGKTLEFFNVVPSTWRFGQTFSSRSQFS*

CDS (coding sequence)

>PdEXPA-04

ATGGGACCTTTTGTCACTCTTTCTGTTTTGGTTTGCCAATTTCTTTCTTTGTTTGCT
TGCTTAGTTTGAAGGGGATTAATGGTGGTTGGCTCAATGCTCATGCAACCTTCTAT
GGCGCCAATCAGAGCCCCGCCACTCTTGGAGGAGCTTGTGGATATGACAACACCT
TCCATGCCGGATTTGGAGTGAACACGGCGGCCGTGAGTGGTGCCTGTTTAGAGG
TGGAGAGGCATGTGGTGCTTGTACCAATTAATGTGCAACTATAGGGCAGATCCC
AAGTGGTGCCTCCGACGTGCGGTTATTACGGTAACTGCCACCAATTTCTGCCCTCC
AAATAATAATGGAGGGTGGTGCATCCTCCTCGCCAGCATTGATATGTCCATG
CCTGCTTTCTTTCGCATAGCACGGCAAGGCAATGAAGGCATAGTTCCTGTGCTCT
ATAGGAGGGTATCGTGCACAAGAAGAGGAGGAGTTCGTTTCACTCTGAGGGGAC
AATCAAACCTTCAACCTGGTTCATGATCTCTAACGTTGGTGGTAGTGGTGCATCAA
GGCTGCATGGGTTAGAGACTCAAGGGCAAGATCATGGGTGCCATTGCACAGGAA
TTGGGGTGCAAATTGGCAAAGCAGTTTCGATCTTCGAAACCAAAAACCTGTCGTTT
AAGCTCACTTTAGTTGATGAAAAAACTGGAATTTTTTAATGTTGTTCTTCAAC
TTGGAGGTTTGGACAGACATTTTCTTCTCGAAGTCAGTTCTCTTAA

Nucleotide

>PdEXPA-04

GATTATTTACAAAGGAAAATGGGACCTTTTGTCACTCTTTCTGTTTTGGTTTGCCA
ATTTCTTTTCTTTGTTTGCTTGTAGTTTGAAGGGGATTAATGGTGGTTGGCTCA
ATGCTCATGCAACCTTCTATGGCGCCAATCAGAGCCCCGCCACTCTTGGTAAGTC
TTAGTTTCTTAGAAAACAAAGAACCCAAGAATATTATTGTAATGTGAGATATAGA
ATATATGCATAAAAATGTATTATTTTTTAAGTAAATTTAGTTTGCCTCTCTCTCT
CTCTCTCTCTCTCTTACTTCAATGTTTTTTCAGGCAAAATTTTCATATATTTAAT

GTAATCATCAATAAAAATTTGATCATCATTATAAAAAATCACTTTATGTACAGAGA
ATTTAAATGCATAGTAATTACATTGGTGTGCATTCTATACGTCAGGAGGAGCTTG
TGGATATGACAACACCTTCCATGCCGGATTTGGAGTGAACACGGCGGCCGTGAGT
GGTGC ACTGTTTAGAGGTGGAGAGGCATGTGGTGCTTGCTACCAATTAATGTGCA
ACTATAGGGCAGATCCCAAGTGGTGCCTCCGACGTGCGGTTATTACGGTAACTGC
CACCAATTTCTGCCCTCCAAATAATAATGGAGGGTGGTGC GATCCTCCTCGCCAG
CATTTTGATATGTCCATGCCTGCTTTCTTTTCGCATAGCACGGCAAGGCAATGAAG
GCATAGTTCCTGTGCTCTATAGGAGGTAATAAAAATCATATAACACGCACACAAAT
TCCCATATAAATTTATATTTTCTTTATAGTATGTTTAAAATATGATTTTGAAAATG
CATGCATGAATTGAAGGGTATCGTGCACAAGAAGAGGAGGAGTTCGTTTCACTCT
GAGGGGACAATCAAACCTCAACCTGGTCATGATCTCTAACGTTGGTGGTAGTGGT
GATATCAAGGCTGCATGGGTAGAGACTCAAGGGCAAGATCATGGGTGCCATTG
CACAGGAATTGGGGTGCAAATTGGCAAAGCAGTTTCGATCTTCGAAACCAAAAA
CTGTCGTTTAAGCTCACTTTAGTTGATGGAAAAACACTGGAATTTTTTAATGTTGT
TCCTTCAACTTGGAGGTTTGGACAGACATTTTCTTCTCGAAGTCAGTTCTCTTAA
ACCAAGGAGATTCTTTCCTCCTTTTACATGTCTTGAAGTGGCATTTCGATGGTT
CAAGAACATGAAGATGCATTTTTTTCTTTTTTAAGTAAAACATCTTTTGGAGGAAC
GACATATTATTTTCGTGGATTAAGATTTATGTTTAAACAAGTTTTTGTACTCGGT
GATTTACTTTTGCAAAGCTCAATAATCAAGAGCAATGCTATTTAATTTGTAACCTG
GATTG