

IDENTIFICATION

Species: *Populus deltoides*

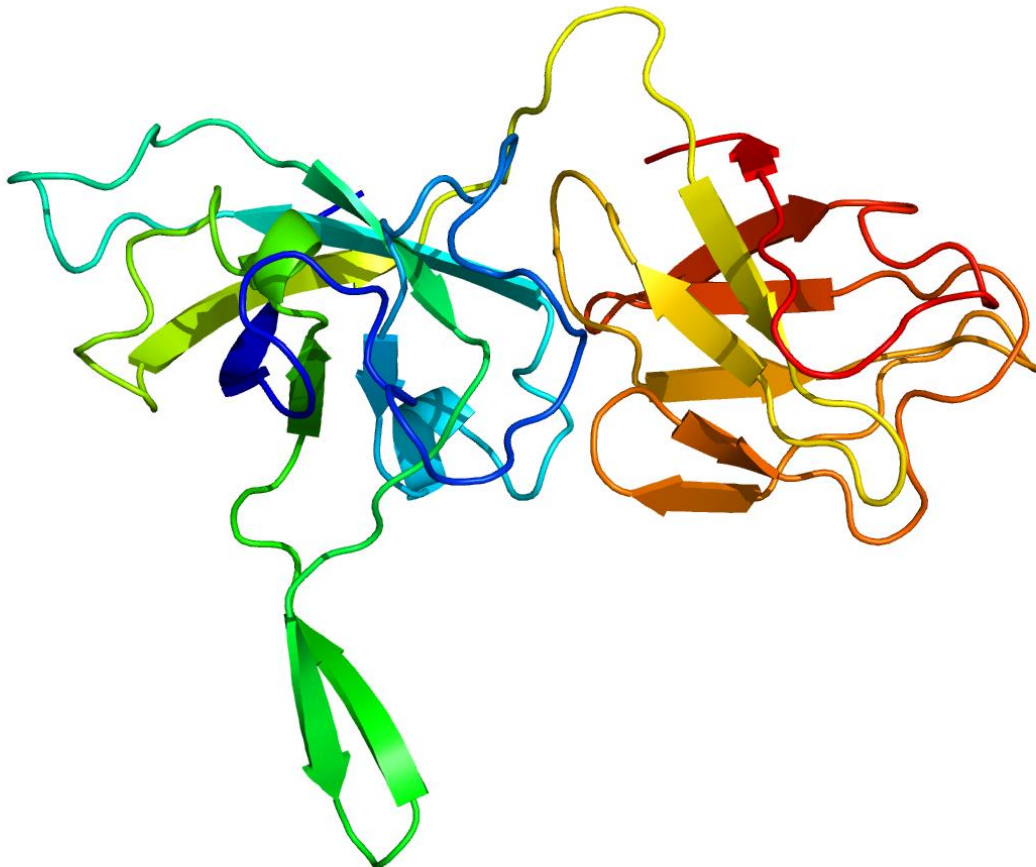
Locus: Podel.16G140200

Gene Model: Podel.16G140200.1.p

Description: PdEXPA-23

Family: Alpha Expansin

3D structure:



GENOME DATABASES

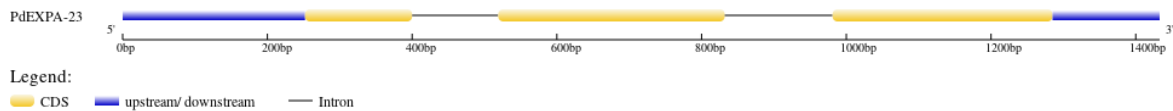
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

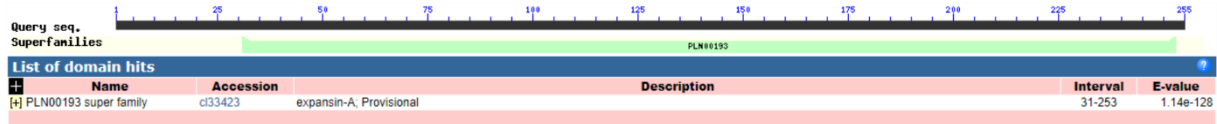
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-23

MAIKAMQDFVQVLYLVLSFLLHGIYGDYGGWQVGHATFYGGSDASGTMGGACGY
GNLYSQGYGTSTAALSTALFNGLSCGACFQIRCNDPKWCHSGTITVTATNFCPPN
YALSNDNGGWCNPPLKHFDLAQPAFLQIAQYRAGIVPVLFRRVPCVKKGGIRFTING
HSYFNLVLITNVAGAGDVHAVSIKGSRTGWQTM SRNWQNWQSN SYLNGQRLSFR
VTSDGKTVTWYNVVPANWQFGQTFAGGQL*

CDS (coding sequence)

>PdEXPA-23

ATGGCAATTAAGCAATGCAAGATTTTGTATTTGTTTCAGCTGTATCTTGTATTGAG
CTTTCTTCTCCATGGCATTATGGAGATTATGGTGGATGGCAGGTTGGTCATGCCA
CATTCTACGGCGGTAGCGACGCGTCTGGCACAATGGGGGGTGCTTGTGGATATGG
AAACCTGTATAGCCAAGGGTATGGGACAAGCACTGCAGCTCTAAGCACTGCCCTT
TTCAATAATGGCTTGAGCTGTGGTGCATGCTTCCAGATACGCTGCAACAATGATC
CTAAATGGTGCCATTCCGGTACCATTACTGTGACAGCCACCAACTTTTGCCCTCCT
AATTATGCGTTGTCTAATGACAATGGTGGCTGGTGCATCCCCCTCTCAAACATTT
TGATTTGGCACAGCCTGCTTTCTTGCAAATTGCACAATATCGAGCTGGAATTGTTC
CTGTACTCTTCAGAAGGGTCCCATGTGTGAAGAAAGGAGGCATAAGGTTCCACCAT
TAATGGTCATTCTTACTTCAACTTGGTCTTGATAACCAATGTTGCAGGTGCAGGGG
ATGTTTCATGCTGTGTCTATCAAAGGATCTAGGACTGGTTGGCAAACCATGTCAAG
AAATTGGGGCCAAAATTGGCAGAGCAACTCATATCTCAATGGCCAAAGACTCTCC
TTCAGAGTCACAACCAGCGATGGCAAGACAGTTACCTGGTACAATGTTGTGCCTG
CAAATTGGCAATTTGGACAACTTTTGCAAGGAGGGCAACTCTAG

Nucleotide

>PdEXPA-23

CTAAATGTCCCAGCATCTTTGGCAGGTAGGTCGGTCTAATTATAGTTCTAACGTG
ATTGCCTCTAACTTGCAGGTTGTAATAATAAACGAAGCCTACTCTCTGGGCTGCT
AATTGGGTCAGTAAATCCCCTCTGGTATAAATAGCCGGCACGATTTCTCCT
ACTAACACTCAAGCCTTTTGTCTGTATCAGGCCAGCTACCCCGATATCTTCTACTA
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GCTTTCTTGCAAATTGCACAATATCGAGCTGGAATTGTTCCCTGTACTCTTCAGAAG
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AGTCTAGACCACCCAGAAGCTCTACTACTGTAATTACTTAATGCTTGACTAGCTG
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AGGAGGCATAAGGTTCCACCATTAATGGTCATTCTTACTTCAACTTGGTCTTGATAA
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TGGTTGGCAAACCATGTCAAGAAATTGGGGCCAAAATTGGCAGAGCAACTCATA
TCTCAATGGCCAAAGACTCTCCTTCAGAGTCACAACCAGCGATGGCAAGACAGTT
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