

IDENTIFICATION

Species: *Populus deltoides*

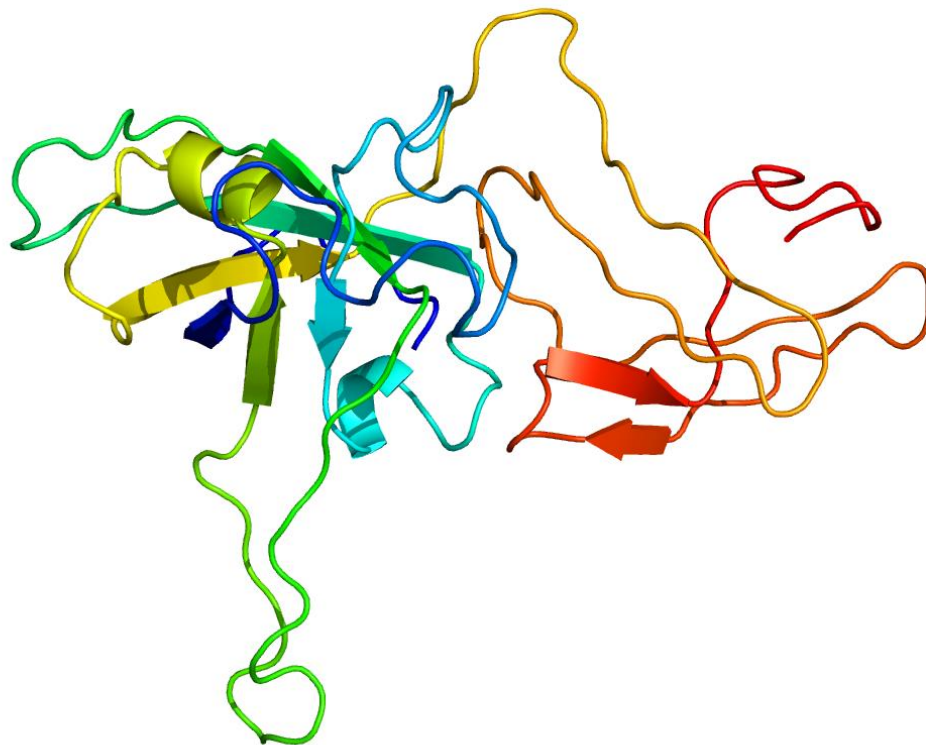
Locus: Podel.19G059000

Gene Model: Podel.19G059000.1.p

Description: PdEXPA-28

Family: Alpha Expansin

3D structure:



GENOME DATABASES

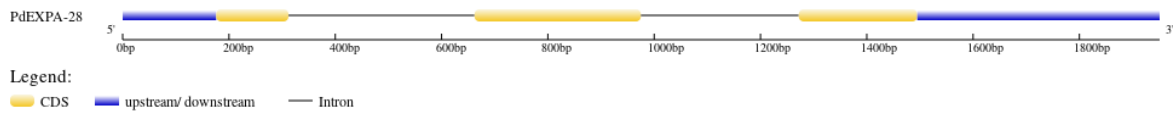
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

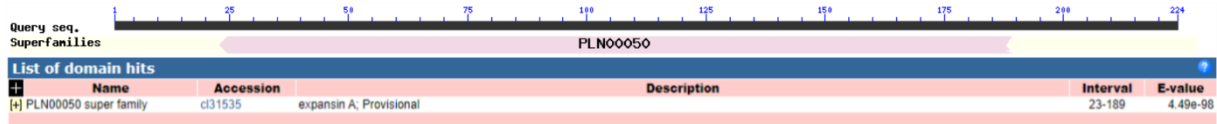
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-28

MTMAATISLLLALHLCLRGTYGDSGGWQGGHATFYGGGDASGTMGGACGYGNLY
SQGYGTNTAALSTALFNGLSCGSCYEMRCDNDPKWCLPGSITVTATNFCPPNSALS
NDNGGWCNPPQLQHFDMAEPAFLQIAQYRAGIVPISFRRVPCVKKGGIRFTINGHSYFN
LVLITNVAGAGDVHSVSIKVLQRQGASYVKELGPELAKQFLPQWPKSFFPSHHK*

CDS (coding sequence)

>PdEXPA-28

ATGACAATGGCAGCTACTATCTCTCTTCTCTTGTGTTGCGCTCCACTTGTGCCTTAG
AGGCACTTATGGGGACTCCGGAGGGTGGCAAGGTGGCCATGCCACTTTCTATGGC
GGGGGTGATGCTTCTGGGACAATGGGAGGTGCTTGTGGGTATGGCAATTTGTACA
GTCAAGGGTATGGTACTAACAACACTGCAGCACTTAGTACTGCCCTATTCAACAATGG
CTTGAGCTGTGGTTCTTGTATGAGATGAGATGTGACAATGATCCCAAATGGTGC
CTCCCTGGGTCCATCACCGTCACAGCCACTAATTCTGCCCCCTAACTCTGCCTT
GTCTAATGACAACGGTGGCTGGTGTAACTCCCTCCAGCACTTTGACATGGCT
GAGCCAGCTTTCTTGCAAATTGCTCAATACAGAGCTGGAATTGTACCAATCTCAT
TCAGAAGGGTCCCCTGTGTCAAGAAAGGAGGAATAAGGTTTACCATCAATGGGC
ACTCTTACTTTAATTTGGTGTGATCACAAACGTTGCTGGAGCAGGAGATGTTTCAT
TCAGTGTGATCAAGGTTCTAAGACAGGGTGGCAAGCTATGTCAAGGAAGTGGGG
CCAGAACTGGCAAAGCAATTCTTACCTCAATGGCCAAAGTCTTTCTTTCCAAGTC
ACCACAAGTGA

Nucleotide

>PdEXPA-28

TTTATTAGCTTGTCTCAGCTTCCTCCATACGTCCACATCACAACCGCCCTCGACCT
CCACCCCTTACAGCCTATATAAAGCGATCATGCTCTCCTTTCTTAGCACTAAG
CGTCGAGTCTTTCTCACAAACTCTCCCTCTCCTCGCCTGATAGATACACCTTAC
CAGCAACAATGACAATGGCAGCTACTATCTCTCTTCTTGTGTTGCGCTCCACTTG
TGCCTTAGAGGCACTTATGGGGACTCCGGAGGGTGGCAAGGTGGCCATGCCACTT
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