

IDENTIFICATION

Species: *Populus deltoides*

Locus: Podel.10G207300

Gene Model: Podel.10G207300.1.p

Description: PdEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

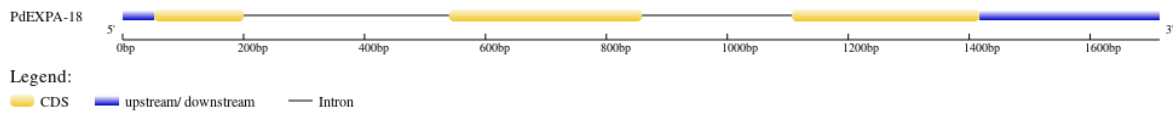
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

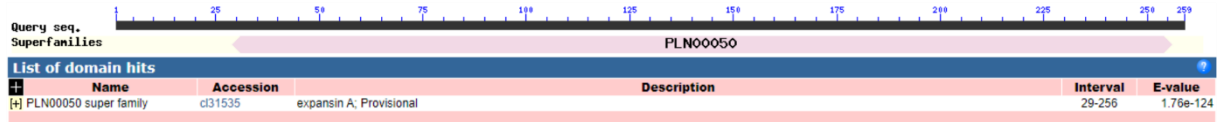
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-18

MAIRATICVASLVFLTLVEARIPGVYTGGAWQSAHATFYGGSDASGTMGGACGYG
NLYSQGYGVNTAALSTALFNGLSCGACFEIKCGNDPQWCHSGSPSILITATNFCPPN
YALPSDNGGWCNPPRPHFDLAMPVFLKIAEYRAGIVPVS YRRVPCRKRGGIRFQINGH
RYFNLVLITNVAGAGDIVKVS VKGSKTGWMSMSRNWQNWQSN SVLVGQSL SFRV
TGSDRRTSTSWNVVPSNWQFSQTFVGKNFRV*

CDS (coding sequence)

>PdEXPA-18

ATGGCTATTAGGGCTACCATTTGTGTTGCGTCTTTGGTGCTGTTTTTACTCTTGTC
GAGGCAAGAATTCCCTGGTGTTTACACTGGAGGAGCCTGGCAGAGCGCCCATGCTA
CTTTTTACGGTGGCAGTGACGCCTCTGGGACTATGGGCGGTGCTTGTGGGTACGG
CAACTTGTACAGCCAAGGCTATGGCGTGAATACCGCAGCACTAAGCACAGCCCTG
TTCAACAATGGCCTTAGTTGTGGTGCTTGTCTTTGAAATAAAGTGC GGTAATGACC
CACAATGGTGCCACTCTGGTAGCCCGTCAATTTTAATCACAGCAACAACTTTTG
CCCTCCTAATTATGCACTGCCAGTGATAATGGTGGTTGGTGCAATCCTCCTCGTC
CTCACTTCGATCTTGCTATGCCTGTGTTCCCTCAAGATCGCTGAGTACCGTGCTGGC
ATCGTCCCTGTCTCTTACCGCCGGGTGCCGTGTAGAAAACGAGGGGGGATCAGGT
TCCAAATCAACGGTCAACGTTACTTCAACTTGGTTTTGATCACCAACGTTGCAGGT
GCAGGAGATATTGTGAAAGTGAGCGTGAAGGGATCAAAGACTGGATGGATGAGC
ATGAGTCGTA ACTGGGGTCAA AACTGGCAGTCAA ACTCAGTTTTGGTTGGCCAGT
CATTATCTTTCAGGGTCAACCGCAGTGATAGACGCACCTCTACTTCATGGAACGT
TGTTCCCTTCAA AACTGGCAATTTAGTCAGACTTTCGTTGGAAAGAATTTTAGGGTTT
AA

Nucleotide

>PdEXPA-18

CCAAATCCCCATCTCTAGAAAGCCTCTTCATAGTCTAGCGACAGGTGGAAGCAATG
GCTATTAGGGCTACCATTTGTGTTGCGTCTTTGGTGCTGTTTTTACTCTTGTCGA
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TTTTACGGTGGCAGTGACGCCTCTGGGACTATGGGTA CTGTCATCTTGAACCGTTC
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CGTGTAGAAAACGAGGGGGGATCAGGTTCCAAATCAACGGTCACCGTTACTTCA
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