

IDENTIFICATION

Species: *Populus deltoides*

Locus: Podel.06G092900

Gene Model: Podel.06G092900.1.p

Description: PdEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

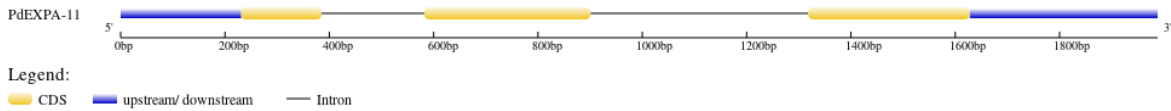
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

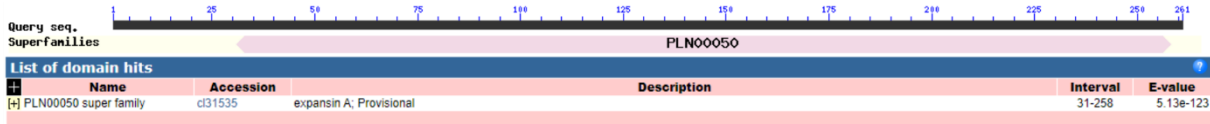
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-11

MAHHRLGLLCIVFLTSVFVLAHARIPGVFTGGPWESAHATFYGGSDASGTMGGACG
 YGNLYSQGYGVNTAALSTALFNGLSCGACFEIKCADDPRWCNPGNPSILVTATNFC
 PPNFAQPSDNGGWCNPPRPHFDLAMPFLKIAQYRAGIVPVAHRRVPCRKQGGIRFTI
 NGFRYFNLVLVTNVAGAGDIVNVWIKGSETDWMSMSRNWQNWQSNVAVLVGQSL
 SFRVRGSDGRTSTSKNVASPNWQFGQFTGKFRV*

CDS (coding sequence)

>PdEXPA-11

ATGGCTCATCATCGGTTAGGTTTGGCTCTGCATTGTCTTCCTGACCTCGGTCTTTGT
 GTTGGCTCATGCGAGGATCCCTGGAGTTTTACCGGCGGGCCTTGGGAGAGTGCT
 CATGCTACTTTCTATGGCGGGAGTGACGCCCTCCGGA ACTATGGGAGGTGCATGTG
 GGTATGGCAATCTGTATAGCCAAGGATATGGAGTGAACACAGCAGCATTAAAGCA
 CAGCGTTATTCAACAATGGGTTGAGCTGCGGGGCTTGCTTCGAGATTAAGTGCGC
 AGATGATCCAAGATGGTGCAACCCAGGAAACCCATCCATCCTTGTAACCGCCACT
 AATTCTGCCCTCCTAACTTTGCTCAACCCAGCGATAATGGTGGTTGGTGTAACCC
 ACCTCGTCCTCACTTTGACCTTGCTATGCCTATGTTCCCTTAAGATCGCGCAGTACC
 GCGCTGGTATTGTCCCTGTCGCTCATCGCCGGGTACCGTGCAGGAAGCAAGGAGG
 CATCAGATTCACTATCAACGGTTTCCGTTACTTCAACCTGGTTTTGGTGACCAACG
 TGGCGGGTGCAGGGGATATCGTGAATGTGTGGATCAAGGGCTCCGAGACTGATT
 GGATGAGCATGAGCCGTA ACTGGGGACAGAACTGGCAATCCAACGCCGTACTCG
 TGGGT CAGTCGCTTTCTTT CAGGGTTAGAGGCAGCGATGGCCGCACCTCTACTTCT
 AAGAACGTGGCATCACCTAATTGGCAGTTTGGTCAGACCTTCACGGGCAAAA ACT
 TCCGCGTCTGA

Nucleotide

>PdEXPA-11

GGATCCAGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGTGGGGGACGAGACCG
 TAACAAAATAAGCAAAGAATCATTAAATTACACAGTGTTGTAGTCCTAGCAGCACC
 GCAGTAAATTCTAGAGTCGATTCCCTTACCTCACACCACCCACACACCATCCATA
 AATACCCCCACCTTCTTCCCCTTTCCCTCATATCACACACCCAGAAAAAGACTTT
 ACCTTTCTCTCAATGGCTCATCATCGGTTAGGTTTGGCTCTGCATTGTCTTCCTGACC

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CCGCATAGGCGGTCTGCCGTTGCCCGTTCTGTAGGTTTTTAAAAGACTTTAATAGC
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