

IDENTIFICATION

Species: *Populus deltoides*

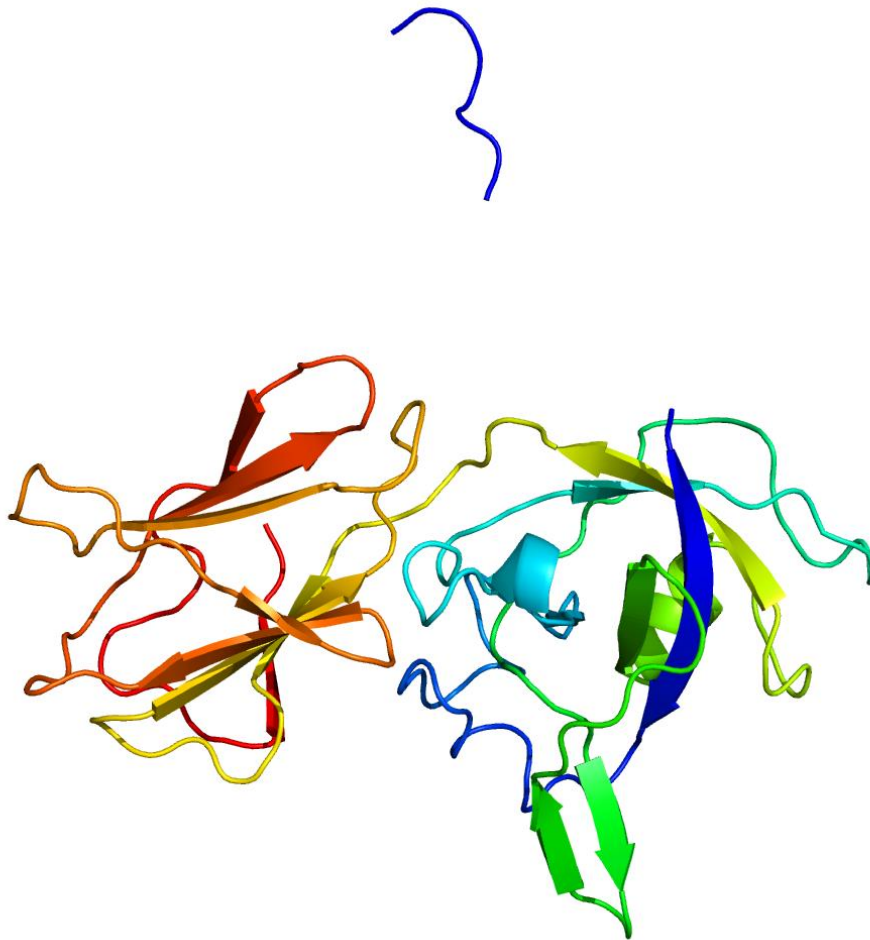
Locus: Podel.16G102300

Gene Model: Podel.16G102300.1.p

Description: PdEXPA-21

Family: Alpha Expansin

3D structure:



GENOME DATABASES

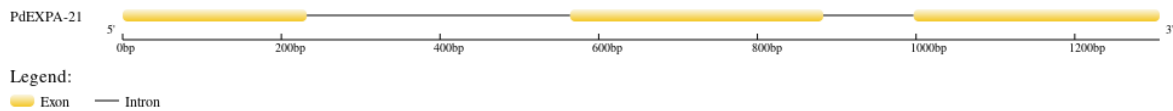
Phytozome: https://phytozome-next.jgi.doe.gov/info/PdeltoidesWV94_v2_1

KEGG:-

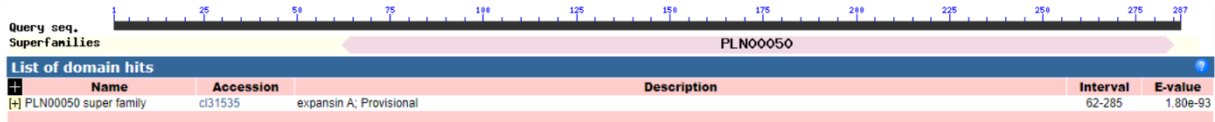
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PdEXPA-21

MASPLKSILATLLLLAIALPDCQAKSKPSLLGKQAIHHAIGRQANHIELPKRHKPKFRP
GPWKKAHATFYEGGSGTFGGACNYKDVAGEGYGMNTVALSSVLFNRNGQACGACFE
IKCADSPQWCKLGQPSLFVTATDHCPPNPSLPNDNGGWCNVPREHFDIAKPVFSQLA
GYKAGIPIQYRRLPCKKQGGIRFTILGNPWFYQVIVWNVGGAGDVVSVQVKGDDKL
KWTQMERDWGATWKTSAILHGESLSFRVRASDKRYSTSWHVTPKNWQFGQTYEGK
NFK*

CDS (coding sequence)

>PdEXPA-21

ATGGCATCGCCATTGAAATCTATCTTAGCAACGTTGCTGCTTTTAGCCATTGCATT
GCCTGATTGCCAGGCAAAATCTAAACCTTCCCTCTTAGGGAAACAAGCCATTCAC
CATGCAATTGGACGACAAGCCAACCACATTGAACTTCCCAAACGCCATAAACCA
AAGTTCCGGCCAGGCCCATGGAAGAAAGCTCATGCAACTTTCTATGAAGGCGGCT
CAGGAACATTTGGGGGAGCATGCAATTACAAAGATGTTGCAGGCGAAGGCTATG
GCATGAATACAGTTGCACTGAGCAGTGTTTTGTTTCAGAAATGGACAGGCTTGTGG
TGCTTGTTTCGAAATCAAGTGCGCTGATAGCCCTCAATGGTGCAAGCTAGGGCAG
CCATCTCTCTTTGTCACCTGCAACTGATCATTGCCACCAAATCCATCTCTCCAAA
TGACAATGGAGGCTGGTGCAATGTGCCACGTGAGCATTTCGATATAGCCAAGCCT
GTATTTAGTCAGCTTGTGTTGCAAGGCGGCATTATTCCAATCCAATATCGCA
GGCTTCCATGCAAAAAGCAAGGAGGTATTAGATTCACTATATTGGGGAATCCTTG
GTTCTATCAGGTCATTGTGTGGAATGTAGGGGGAGCTGGAGATGTTGTTAGTGTT
CAAGTGAAGGGTGATGACAAGCTCAAGTGGACGCAAATGGAACGAGATTGGGGG
GCAACTTGGAAAACAGTGCTATTTTGCATGGAGAGTCGCTGTCTTCCGTGTTA
GAGCAAGCGATAAGAGATACTCGACTTCATGGCATGTTACCCCTAAAAACTGGCA
ATTTGGCCAGACATACGAGGGCAAGAACTTCAAATAG

Nucleotide

>PdEXPA-21

ATGGCATCGCCATTGAAATCTATCTTAGCAACGTTGCTGCTTTTAGCCATTGCATT
GCCTGATTGCCAGGCAAAATCTAAACCTTCCCTCTTAGGGAAACAAGCCATTCAC
CATGCAATTGGACGACAAGCCAACCACATTGAACTTCCCAAACGCCATAAACCA

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TCTCTCTTTGTC ACTGCAACTGATCATTGCCACCAAATCCATCTCTCCCAAATGA
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CATATATATGACTTTTCAATCTTTTCCCATTTAGCAAAAATTATAACCATTTAGCTGG
CCAACTAGGATGGTTGGGTTGAGTTTCTTAATTAACAGGGTTCATTTTCCCTGCAG
GCTTCCATGCAAAAAGCAAGGAGGTATTAGATTCACTATATTGGGGAATCCTTGG
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