

IDENTIFICATION

Species: *Populus trichocarpa*

Locus: Potri.016G098700

Gene Model: Potri.016G098700.1.p

Description: PtEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

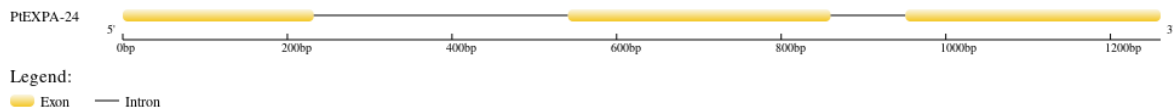
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

KEGG: <https://www.genome.jp/entry/gn:T01077>

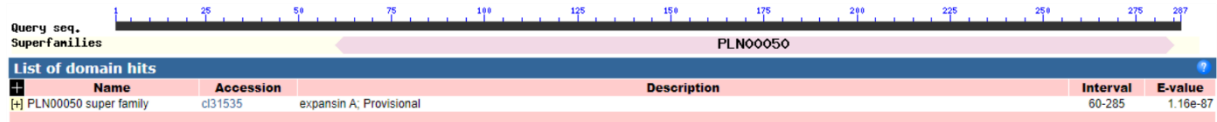
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXPA-24

MASPLKPM LSTLLLLAI AFPNCLAKSKPSLSGKQAIHHAIGRLAHDIEIPKRNKPKFQP
SPWKEAHATFYEGGSGTFGGACNYKDVAGQGYGMNTAALSSVLFKNGQACGACFE
IKCADNPQWCKLGQPSLIVTATDHCPPNPSLPNDNGGWCNVPREHFDVAKPVFSQLA
EYEAGIPIQYRRVPCQKQGGIRFTILGNPWFYQVIVWNVGGAGDVVGVQVKGDDKL
KWTQMERDWGTTWKTSAILLGESLSFRV SASDDRSTSWHVTPKNWQFGQTYEGK
NFK*

CDS (coding sequence)

>PtEXPA-24

ATGGCATCGCCTTTGAAACCTATGTTATCAACATTGCTGCTTTTAGCCATTGCCTT
TCCTAATTGCCTGGCAAATCGAAACCTTCCCTCTCAGGGAAACAAGCCATTAC
CATGCAATTGGACGACTAGCCCACGACATTGAAATTCCTAAAAGGAATAAACCA
AAGTTCCAGCCAAGCCCATGGAAGGAAGCTCATGCAACTTTCTATGAAGGCGGCT
CAGGAACATTCGGGGGAGCATGCAATTACAAAGATGTTGCGGGCCAAGGATATG
GCATGAATACAGCTGCACTGAGCAGTGTCTGTTCAAAAATGGACAGGCCTGTGG
TGCTTGTTCGAAATCAAGTGCGCTGACAACCCTCAATGGTGAAGCTAGGGCAG
CCATCTCTCATTGTCACTGCAACTGACCATTGCCACCAAATCCATCTCTCCAAA
TGACAATGGAGGCTGGTGCAATGTGCCACGTGAGCATTTCGATGTAGCCAAGCCT
GTATTTAGCCAGCTTGCTGAGTACGAGGCCGGCATTATTCCAATCCAATATCGCA
GGGTTCCATGCCAGAAGCAAGGAGGTATTCGATTCACTATATTGGGGAATCCTTG
GTTCTATCAGGTCATTGTGTGGAATGTAGGGGGAGCTGGAGATGTTGTTGGTGT
CAAGTGAAGGGAGATGACAAGCTCAAGTGGACGCAAATGGAACGAGATTGGGG
GACAACTTGAAAACCAAGTGCTATTTTGCTTGGAGAGTCGCTATCCTTCCGTGTTA
GTGCAAGCGATGACAGGGACTCGACTTCATGGCATGTTACCCCTAAAACTGGCA
ATTTGGCCAGACATACGAGGGCAAGAACTTCAAATAG

Nucleotide

>PtEXPA-24

ATGGCATCGCCTTTGAAACCTATGTTATCAACATTGCTGCTTTTAGCCATTGCCTT
TCCTAATTGCCTGGCAAATCGAAACCTTCCCTCTCAGGGAAACAAGCCATTAC
CATGCAATTGGACGACTAGCCCACGACATTGAAATTCCTAAAAGGAATAAACCA

AAGTTCCAGCCAAGCCCATGGAAGGAAGCTCATGCAACTTTCTATGAAGGCGGCT
CAGGAACATTCGGTATCGATGCCTTCTTTTCCTTTTTTCCCTATTTTTTTTTTACCC
TTCACAAGTGATCGATGATCCTGCTCACCTTACAAAACGACCAAATCCAATTCC
AATATGGTCTTTTCGTTAGCTAAAATTCCATTCAATATTGCGAGGCTTCCTGCCAA
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AGAAACAAAGAACATCGAGTCCTCGCGCATCTGACGATATTAATTGTAAC TACTA
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TGTTCTGTTCAAAAATGGACAGGCCTGTGGTGCTTGTTTCGAAATCAAGTGCGCT
GACAACCCTCAATGGTGCAAGCTAGGGCAGCCATCTCTCATTGTC ACTGCAACTG
ACCATTGCCACCAAATCCATCTCTCCCAAATGACAATGGAGGCTGGTGCAATGT
GCCACGTGAGCATTTCGATGTAGCCAAGCCTGTATTTAGCCAGCTTGCTGAGTAC
GAGGCCGGCATTATTCCAATCCAATATCGCAGGTCACACATGACTTTTCAATCAT
TTCCCATTTGGCAATTACAATTTAAAAGGGTTGAGTTTCTTAATTAATGCGTTCA
TTTTCCCTGCAGGGTTCCATGCCAGAAGCAAGGAGGTATTCGATTCACTATATTG
GGGAATCCTTGGTTCTATCAGGTCATTGTGTGGAATGTAGGGGGAGCTGGAGATG
TTGTTGGTGTTC AAGTGAAGGGAGATGACAAGCTCAAGTGGACGCAAATGGAAC
GAGATTGGGGGACA ACTTGGAAAACCAGTGCTATTTTGCTTGGAGAGTCGCTATC
CTTCCGTGTTAGTGCAAGCGATGACAGGGACTCGACTTCATGGCATGTTACCCCT
AAAAACTGGCAATTTGGCCAGACATACGAGGGCAAGAACTTCAAATAG