

IDENTIFICATION

Species: *Populus trichocarpa*

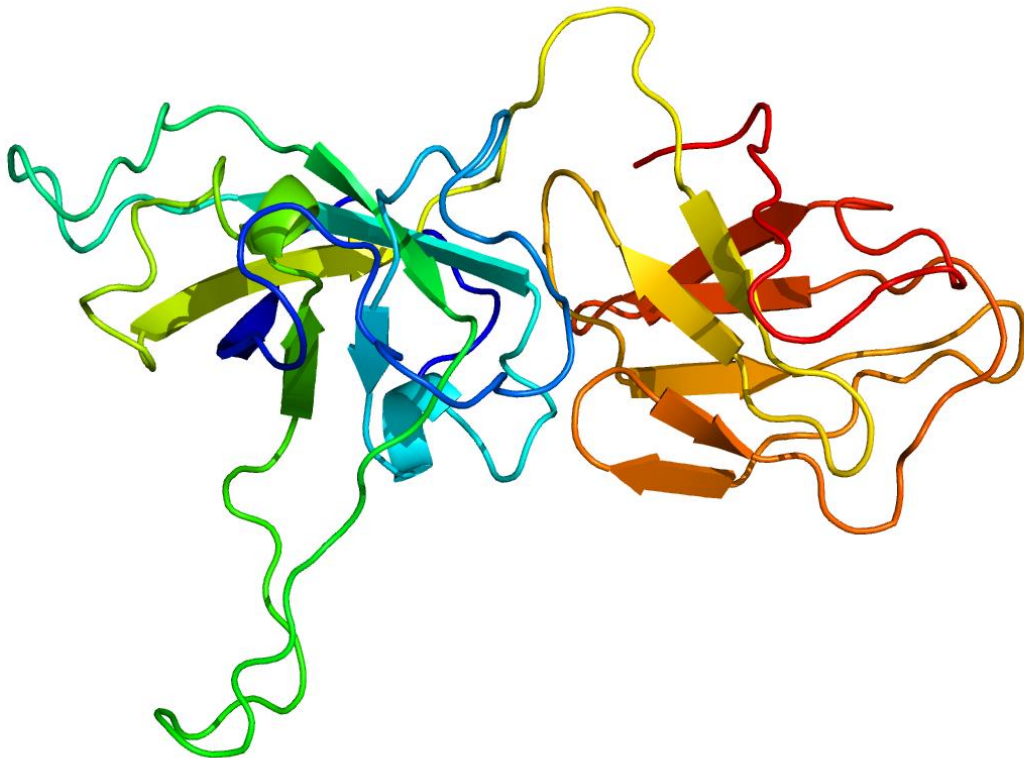
Locus: Potri.002G184700

Gene Model: Potri.002G184700.1.p

Description: PtEXPA-06

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>

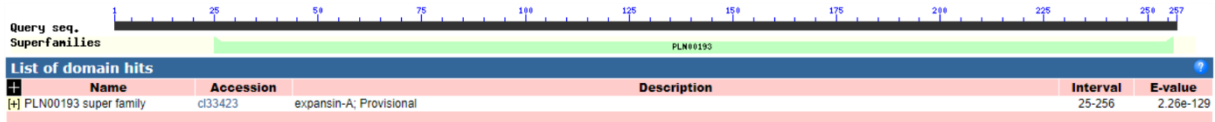
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXPA-06

MASLSVLSCAVFLFLGIYCTQFHSSASAAWQQAHAATFYGGSDASGTMGGACGYGNLY
TDGYGIKTAALSTALFNDGKSCGGCYQIICDSTKVPQWCLKGKYITITATNFCPPNYN
LPNDNGGWCNPPRPHFDMSQPAFQTI AKYRAGIVPILYRKVGCDSGGIRFTINGKNY
FELVLISNVGGAGDISRVWIKGSKSNQWEAMSRNWGSNWQSLSYLNGQSLSFKIQTS
NGQTRTALNVAPSNWVFGQSFKSNVQF*

CDS (coding sequence)

>PtEXPA-06

ATGGCAAGCCTTTCTGTTCTCAGCTGTGCAGTATTTTTGTTCTCCTAGGTATATACTG
CACACAGTTTCACTCAGCCTCCGCGGCTTGGCAACAAGCCCATGCAACTTTCTAT
GGGGTAGTGATGCTTCTGGTACAATGGGTGGTGCCTGTGGATATGGAAACCTTT
ACACCGATGGCTACGGAATAAAACTGCGGCACTGAGCACGGCTTTGTTCAATGA
TGGCAAGTCATGTGGTGGGTGCTATCAGATAATCTGTGATTCAACGAAGGTTCT
CAGTGGTGCCTAAAGGGTAAATATATTACCATCACTGCTACTAATTTCTGTCCACC
AAATTATAACCTCCCTAATGACAATGGCGGCTGGTGCAACCCTCCTCGGCCGCAT
TTCGACATGTCTCAGCCTGCTTCCAGACTATTGCCAAGTACAGAGCTGGAATTGT
ACCTATCCTCTACAGAAAGGTGGGCTGCGACAGAAGTGGAGGCATCAGATTTACC
ATCAATGGAAAGAACTACTTTGAGCTGGTGCTCATATCCAATGTCGGTGGAGCTG
GAGATATCTCTAGGGTATGGATCAAAGGGTCTAAATCTAACCAATGGGAAGCCAT
GTCAAGAACTGGGGATCCAATTGGCAGAGCCTGAGCTATCTAAATGGTCAGAG
CTTGTCCTTCAAATCCAAACCAGCAATGGGCAGACCAGAACAGCACTCAACGTG
GCACCCTCCAATTGGGTATTTGGGCAGTCCTTCAAAGCAATGTTTCAGTTCTAA

Nucleotide

>PtEXPA-06

AAATTAACTAGCTATCTAGCTCTAGCAATAGCAAATAAACCAGCCTTCATTGTC
TTGGAGAACAGATAATATTATGGCAAGCCTTTCTGTTCTCAGCTGTGCAGTATTTT
TGTTCTAGGTATATACTGCACACAGTTTCACTCAGCCTCCGCGGCTTGGCAACA
AGCCCATGCAACTTTCTATGGGGTAGTGATGCTTCTGGTACAATGGGTAAGTAC
TGCTTATTTACTTTCAATATTCTCTTTCTATGTGCCCTAAGGGAAAGTATTGCG
GTGCAACATGTGACGATACAGTTGTTCAAAAAGTGCTGACTGTTTTGAGTTAAT

GATGCCCATTTAGGTGGTGCCTGTGGATATGGAAACCTTTACACCGATGGCTACG
GAATAAAAACCTGCGGCACTGAGCACGGCTTTGTTCAATGATGGCAAGTCATGTGG
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GGTAAATATATTACCATCACTGCTACTAATTTCTGTCCACCAAATTATAACCTCCC
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CCTGCTTTCCAGACTATTGCCAAGTACAGAGCTGGAATTGTACCTATCCTCTACAG
AAAGTACGTTCTTATTAATACTTAATACCTTCCATTCCGACTCTCTTGACATGAAA
TTTTGGAATTATGTGTTTTTCGTGTTTTATTAATTCTGGTGTATCATCAGGGTGGGCT
GCGACAGAAGTGGAGGCATCAGATTTACCATCAATGGAAAGAACTACTTTGAGC
TGGTGCTCATATCCAATGTCGGTGGAGCTGGAGATATCTCTAGGGTATGGATCAA
AGGGTCTAAATCTAACCAATGGGAAGCCATGTCAAGAAACTGGGGATCCAATTG
GCAGAGCCTGAGCTATCTAAATGGTCAGAGCTTGTCCTTCAAATCCAAACCAGC
AATGGGCAGACCAGAACAGCACTCAACGTGGCACCCCTCCAATTGGGTATTTGGGC
AGTCCTTCAAAGCAATGTTTCAGTTCTAATTCTAAAAATCATGCACAGGATAGCT
GCAAAGTTCCTGATAGTGTGCCTATTCCCCTTTGCAACCTGTCGTCTTTAATTTG
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GTATTA AAA ACCATCTGGGGCGTGGCTTGGCATTTTACGATTAAGCCCACCGAGA
AAGGGAAGAACTTGTGTAAGCGCAATGGTCTGCTTCGTGCATTACTATATACAT
TTCCAAATTCCCATG