

IDENTIFICATION

Species: *Populus trichocarpa*

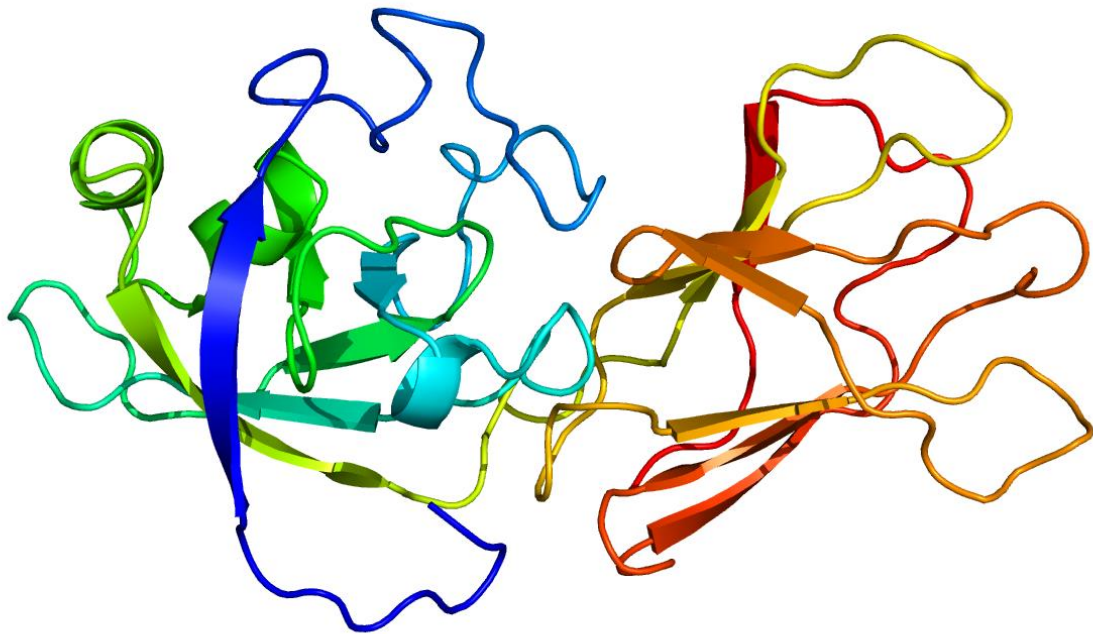
Locus: Potri.001G151500

Gene Model: Potri.001G151500.3.p

Description: PtEXLB-03

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

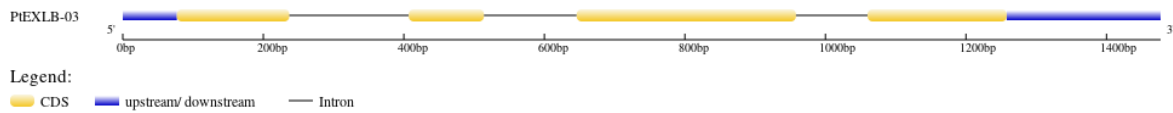
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

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

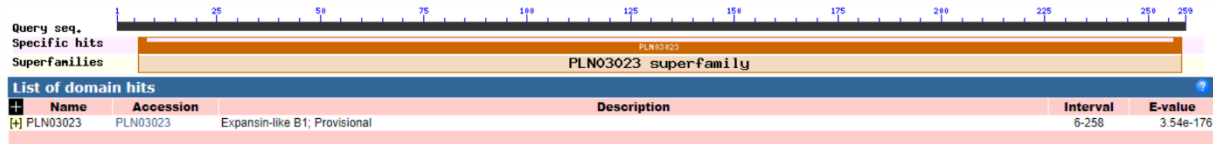
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXLB-03

MIIMGFALKYGYLSILCVVAVALLPAISHSQDYTCSTRATYFGSPDCLGTPSKYKSGACG
FGGYGRTVNDANVAGVSRFLKNGTGCGGCYQVRCKASNLCSDDGVNVVVTDYGE
GDKTDFILSTRAYARMARPNMALELFAYGVVDVEFRIPCRYNGYNLMFKVHEHSR
FPEYLAIVLLYQAGQNEILAVELRQEDCKEWRGMRRAYGAVWDIPNPPKGAISLKLQ
VCGSAGVTWVQADNVLPDWDKAGVAYDSAQLP*

CDS (coding sequence)

>PtEXLB-03

ATGATAATTATGGGGTTTGGCGCTTAAATATGGTTATTCCATTCTTTGTGTCGTGGC
AGTGGCACTACTGCCTGCAATAAGTCACTCCCAAGACTACACATGCTCAAGAGCA
ACTTATTTTGGGAGCCCTGATTGCTTAGGGACCCCAAGTAAGTATAAATCTGGAG
CTTGGCGGGTTTGGAGGATATGGAAGGACGGTCAATGACGCTAATGTAGCTGGTGT
TTCAAGACTCTTCAAGAATGGTACTGGCTGTGGTGGTTGCTATCAGGTGAGATGC
AAAGCTTCAAACCTTTGCTCTGATGATGGGGTGAACGTAGTGGTTACTGACTATG
GTGAAGGAGACAAAACCTGACTTCATCCTCAGCACACGTGCATACGCAAGAATGG
CACGTCCAACATGGCCCTAGAGCTGTTTCGCATATGGTGTGTTGATGTAGAATT
CAGGAGGATCCCTTGCCGCTACAATGGTTATAATCTCATGTTCAAGGTCCATGAA
CACAGCAGGTTTCCTGAGTACTTGGCCATAGTTCTTCTGTACCAAGCTGGCCAAA
ATGAGATTTTGGCTGTGGAATTACGGCAGGAGGATTGCAAGGAATGGAGAGGCA
TGAGAAGAGCCTATGGGGCAGTGTGGGATATACCTAATCCACCAAGGGTGCCA
TTAGCTTGAAGCTCCAGGTCTGTGGCAGCGCAGGGGTGACATGGGTCCAAGCAG
ATAATGTTTTACCAAGTGATTGGAAGGCTGGGGTTGCTTATGACTCTGCCATTCA
GCTTCCTTGA

Nucleotide

>PtEXLB-03

ATCCATTTTCTTATTTCTCTTATTATACTCTCTCTCAACTAGTTACCTTTACTTGATT
ATACAAGTGTGGCAGTGTGATGATAATTATGGGGTTTGGCGCTTAAATATGGTTAT
TCCATTCTTTGTGTCGTGGCAGTGGCACTACTGCCTGCAATAAGTCACTCCCAAGA
CTACACATGCTCAAGAGCAACTTATTTTGGGAGCCCTGATTGCTTAGGGACCCCA

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ATTA ACTGTTACTTTCAGGGTAATAAACAAATGTGTTTAACTATTGATATATAATG
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CCTTTGCTCTGATGATGGGGTGAACGTAGTGGTTACTGACTATGGTGAAGGAGAC
AAA ACTGACTTCATCCTCAGCACACGTGCATACGCAAGAATGGCACGTCCAAACA
TGGCCCTAGAGCTGTTCCGCATATGGTGTGTTGATGTAGAATTCAGGAGGATCCC
TTGCCGCTACAATGGTTATAATCTCATGTTCAAGGTCCATGAACACAGCAGGTTT
CCTGAGTACTTGGCCATAGTTCTTCTGTACCAAGCTGGCCAAAATGAGATTTTGG
CTGTGGAATTACGGCAGGTACGTTTTGATTTCTTCTTCTGATATTCTTTTTTTACCT
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CATGCAGGAGGATTGCAAGGAATGGAGAGGCATGAGAAGAGCCTATGGGGCAGT
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GGCAGCGCAGGGGTGACATGGGTCCAAGCAGATAATGTTTTACCAAGTGATTGG
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