

IDENTIFICATION

Species: *Populus trichocarpa*

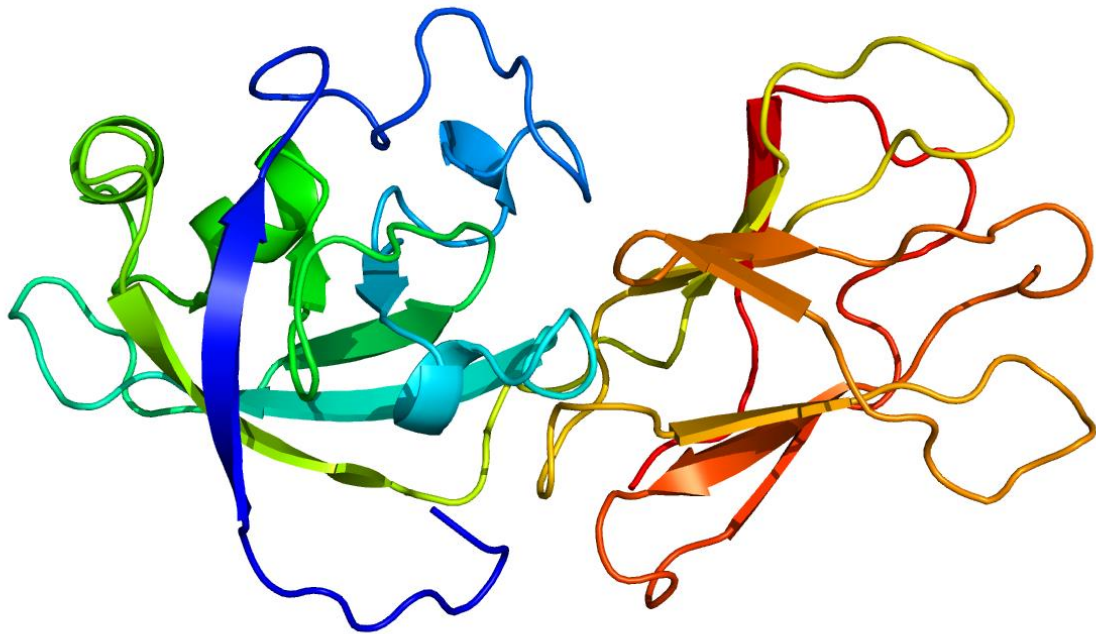
Locus: Potri.001G151500

Gene Model: Potri.001G151500.1.p

Description: PtEXLB-02

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

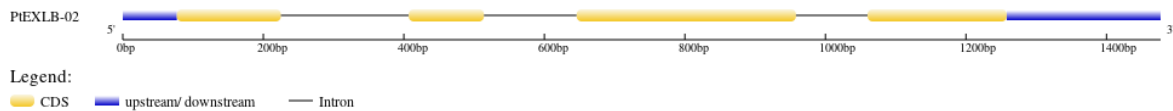
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

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

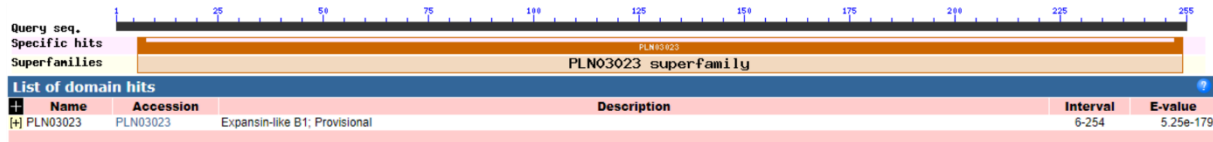
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXLB-02

MIIMGFALKYGYLSILCVVAVALLPAISHSQDYTCSRATYFGSPDCLGTPTGACGFGGY
GRTVNDANVAGVSRLFKNGTGCGGCYQVRCKASNLCSDDGVNVVVTDYGEGDKT
DFILSTRAYARMARPNMALELFAYGVVDVEFRRIPCRYNGYNLMFKVHEHSRFPEYL
AIVLLYQAGQNEILAVELRQEDCKEWRGMRRAYGAVWDIPNPPKGAISLKLQVCGS
AGVTWVQADNVLPDWDKAGVAYDSAIQLP*

CDS (coding sequence)

>PtEXLB-02

ATGATAATTATGGGGTTTGGCGCTTAAATATGGTTATTCCATTCTTTGTGTTCGTGGC
AGTGGCACTACTGCCTGCAATAAGTCACTCCCAAGACTACACATGCTCAAGAGCA
ACTTATTTTGGGAGCCCTGATTGCTTAGGGACCCCAACTGGAGCTTGCAGGGTTT
GAGGATATGGAAGGACGGTCAATGACGCTAATGTAGCTGGTGTTCAGACTCTT
CAAGAATGGTACTGGCTGTGGTGGTTGCTATCAGGTGAGATGCAAAGCTTCAAAC
CTTTGCTCTGATGATGGGGTGAACGTAGTGGTACTGACTATGGTGAAGGAGACA
AACTGACTTCATCCTCAGCACACGTGCATACGCAAGAATGGCACGTCCAAACAT
GGCCCTAGAGCTGTTTCGCATATGGTGTGTTGATGTAGAATTCAGGAGGATCCCT
TGCCGCTACAATGGTTATAATCTCATGTTCAAGGTCCATGAACACAGCAGGTTTC
CTGAGTACTTGGCCATAGTTCTTCTGTACCAAGCTGGCCAAAATGAGATTTTGGCT
GTGGAATTACGGCAGGAGGATTGCAAGGAATGGAGAGGCATGAGAAGAGCCTAT
GGGGCAGTGTGGGATATACCTAATCCACCAAAGGGTGCCATTAGCTTGAAGCTCC
AGGTCTGTGGCAGCGCAGGGGTGACATGGGTCCAAGCAGATAATGTTTTACCAA
GTGATTGGAAGGCTGGGGTTGCTTATGACTCTGCCATTCAGCTTCTTGA

Nucleotide

>PtEXLB-02

ATCCATTTTCTTATTTCTCTTATTATACTCTCTCTCAACTAGTTACCTTTACTTGATT
ATACAAGTGTGGCAGTGTGATGATAATTATGGGGTTTGGCGCTTAAATATGGTTAT
TCCATTCTTTGTGTCTGTTGGCAGTGGCACTACTGCCTGCAATAAGTCACTCCCAAGA
CTACACATGCTCAAGAGCAACTTATTTTGGGAGCCCTGATTGCTTAGGGACCCCA
AGTAAGTATAAATGTGTGTGTGTCGAGATCTCCTATTTATTCAGAGTTCATAATTA

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AATGACGCTAATGTAGCTGGTGTTC AAGACTCTTCAAGAATGGTACTGGCTGTG
GTGGTTGCTATCAGGTACTTGAATTC AAGGCACTTAATTATCAGTATTGAAAGTA
ATTAAGTGTACTTTCAGGGTAATAAACAAATGTGTTTAACTATTGATATATAATG
CTGGTTTACATATCGTTGATTGATAACAATTCAGGTGAGATGCAAAGCTTCAA
CCTTTGCTCTGATGATGGGGTGAACGTAGTGGTTACTGACTATGGTGAAGGAGAC
AAACTGACTTCATCCTCAGCACACGTGCATACGCAAGAATGGCACGTCCAAACA
TGGCCCTAGAGCTGTTTCGCATATGGTGTGTTGATGTAGAATTCAGGAGGATCCC
TTGCCGCTACAATGGTTATAATCTCATGTTCAAGGTCCATGAACACAGCAGGTTT
CCTGAGTACTTGGCCATAGTTCTTCTGTACCAAGCTGGCCAAAATGAGATTTTGG
CTGTGGAATTACGGCAGGTACGTTTTGATTTCTTCTTCTGATATTCTTTTTTTACCT
TTAATATACAGGAACTAGCATGTGAGAACTTGACGTGATGTCTTTAATTTAATTA
CATGCAGGAGGATTGCAAGGAATGGAGAGGCATGAGAAGAGCCTATGGGGCAGT
GTGGGATATACCTAATCCACCAAAGGGTGCCATTAGCTTGAAGCTCCAGGTCTGT
GGCAGCGCAGGGGTGACATGGGTCCAAGCAGATAATGTTTTACCAAGTGATTGG
AAGGCTGGGGTTGCTTATGACTCTGCCATTCAGCTTCCTTGAAGATTGAAGGACT
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