

IDENTIFICATION

Species: *Populus trichocarpa*

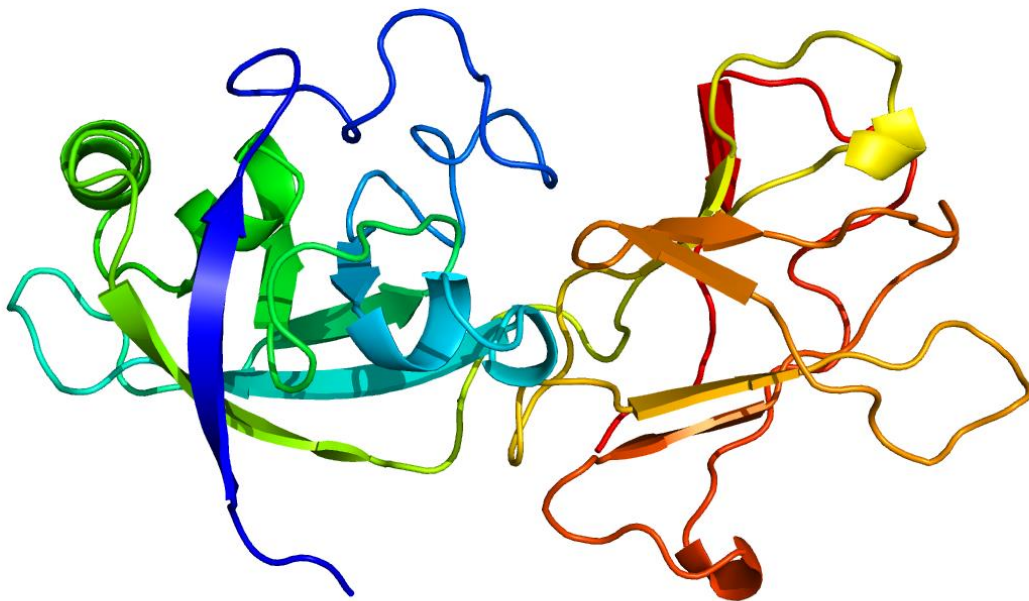
Locus: Potri.003G087000

Gene Model: Potri.003G087000.1.p

Description: PtEXLB-05

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

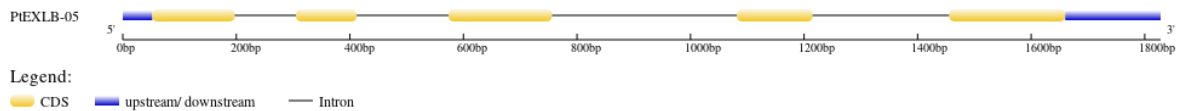
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

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

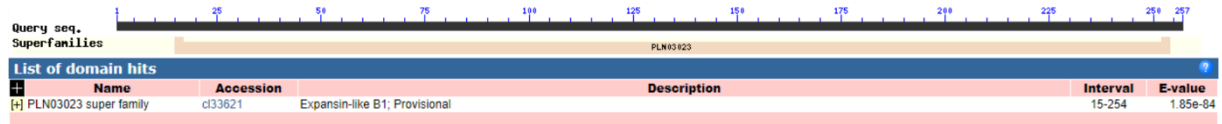
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXLB-05

MAPSLRFLFLSATLFFMQTLTEAATCSDCFIHSRAAYYPNSDENGTDGRCGYGSFG
ATLNGGDVAAASDLYRDGVGCGACYQVKCTNSYYCTDNGVTIVITDQGSSDNTDFI
LSRRAFGRMAQTDDAAASLLALGVVDIEYRRVSCSYYPYKNITIKIDENSYPYYLGFV
IWYQQGRSDITAVQLCETQNFVCKLLDRSYGSVWTTTSPPSGPLSLRMLFSDENGDET
WVVPVNNIPNDWKAGETYDTGVQVNL*

CDS (coding sequence)

>PtEXLB-05

ATGGCTCCTTCTCTGCGGTTCTTTTGTTCCTTTCAGCAACCTTGTTCTTTATGCAG
ACTCTGACAGAGGCTGCAACATGTAGCGACTGTTTCATTCATTCTCGGGCAGCTT
ACTATCCAAATTCTGATGAAAATGGAACAGATACTGGCAGATGTGGATATGGTTC
ATTTGGAGCAACACTGAATGGTGGGGATGTAGCAGCCGCATCTGACCTCTACCGT
GATGGTGTTCGGTTGTGGTGCTTGCTATCAGGTAAGTGCACCAACAGTACTATT
GCACTGACAACGGAGTGACCATTGTTATAACTGACCAAGGATCAAGTGATAATAC
CGACTTTATTCTCAGCAGACGAGCCTTCGGTCGGATGGCTCAAACCACAGATGCA
GCTGCATCTTTATTAGCCCTCGGAGTAGTTGATATTGAATATAGACGTGTTTCATG
CAGCTATCCATACAAAATATAACCATCAAATCGACGAGAACAGCAACTATCCT
TATTATCTGGGTTTTGTCAATTTGGTATCAACAAGGAAGAAGCGATATTACTGCTGT
TCAGCTATGCGAGACGCAAATTTTGTATGCAAGCTCTTGGACAGAAGCTACGGA
TCTGTATGGACAACTACCTCTCCCCCAGTGGACCCTTGTCACTAAGAATGTTATT
CAGTGATGAAAATGGAGATGAGACATGGGTAGTTCAGTCAACAACATACCTAA
TGACTGGAAAGCTGGAGAAACATATGATACAGGAGTACAAGTAACTTATAA

Nucleotide

>PtEXLB-05

ATTACCACCTTATCTTCTTTGCTTTTATTGTCTTTTCTCTTTTGTATCCAATAATGGC
TCCTTCTCTGCGGTTCTTTTGTTCCTTTCAGCAACCTTGTTCTTTATGCAGACTCT
GACAGAGGCTGCAACATGTAGCGACTGTTTCATTCATTCTCGGGCAGCTTACTAT
CCAAATTCTGATGAAAATGGAACAGATAGTAAGAGACCTCTACTAAAATATTAG
AAGAATAAAAACAATTAATTAAGTGTGCACTTATTACCAATTGAGCATGCATTC
TTATGAGTCTCTTTTCATGAATTGCAGCTGGCAGATGTGGATATGGTTCATTTGGA

GCAACACTGAATGGTGGGGATGTAGCAGCCGCATCTGACCTCTACCGTGATGGTG
TCGGTTGTGGTGCTTGCTATCAGGTACCAATTAAGCATCATGATTGCAAACCA
GCTTGTAACCCAAAAAAGAAGAATTGCAAACATACATTTTTTTTTCTGCTATA
GCATTACATGGCATGATTCTGTTATTGGTTTTCTTTAAGCGTCGAAATACTCACCA
TAATGGTTTACTGAACCAGGTAAAGTGCACCAACAGTTACTATTGCACTGACAAC
GGAGTGACCATTGTTATAACTGACCAAGGATCAAGTGATAATACCGACTTTATTC
TCAGCAGACGAGCCTTCGGTCGGATGGCTCAAACCACAGATGCAGCTGCATCTTT
ATTAGCCCTCGGAGTAGTTGATATTGAATATAGACGGTAAGTTATACATAATAAG
ACTTGAGGCAAGAACCTCTTATTTTTTCATTTACAAGAGACAGGTGAAAGCAAGT
TTAAGAATGACTAAAAAAGACTACTTGTAATAGGGTGAGCAAAAAGAAGTAT
ATTCTTGGTTTTAATCATCAGCAGGGCAAGCATTGAAATAATCTCCCCAAGAT
GAACTCTTAGAAATAGCAACTTGAGCATAGAAGGGTTATCAAGCATCCTTATTCC
ATCGTTTTCATGATGAAAACCTCCCCTGCTCTTTATTTTCATGAAGGTTTGTCATGT
ACAGTGGACTATTGAACTCTTCTCCATGCAGTGTTTCATGCAGCTATCCATACAA
AAATATAACCATCAAATCGACGAGAACAGCAACTATCCTTATTATCTGGGTTTT
GTCATTTGGTATCAACAAGGAAGAAGCGATATTACTGCTGTTTCAGCTATGCGAGG
TAATATGCACATCTTGTAATAATATCAAATGCACCTTTTATTAATATGCCTAGTC
AAAGATGACGGAAAAGGGAATATTAGCTGATATAACACAGGAAAAGAACTGG
ATATAAAGAAAGTAAAATCAGCAACTAGTCTCTAGCTCATTGAATGAAAACAAC
CAAATTTAAATCATCCAAATTTTACATGTTCTTTGAGTCACCGAACTGTTACTAA
CAAAGTTCTATTATGTGCAGACGCAAAATTTTGTATGCAAGCTCTTGGACAGAA
GCTACGGATCTGTATGGACAACCTCTCCCCCAGTGGACCCTTGTCACTAAG
AATGTTATTCAGTGATGAAAATGGAGATGAGACATGGGTAGTTCCAGTCAACAAC
ATACCTAATGACTGGAAAGCTGGAGAAACATATGATACAGGAGTACAAGTAAAC
TTATAAAGTCCTGGGAAGCAGATAAATCTATCCAAATAAGCCCGTTGCACTTCGT
TTATTTATTATTTTATCCTTTATTTTTGTACACGGGTATAGGGTCTAAGAACTCA
CGAAAGTAATCATTTTAATGTTGACTATAAAAATTCCTGGTATACTAATAAAAATTT
GATTTCT