

IDENTIFICATION

Species: *Trifolium pratense*

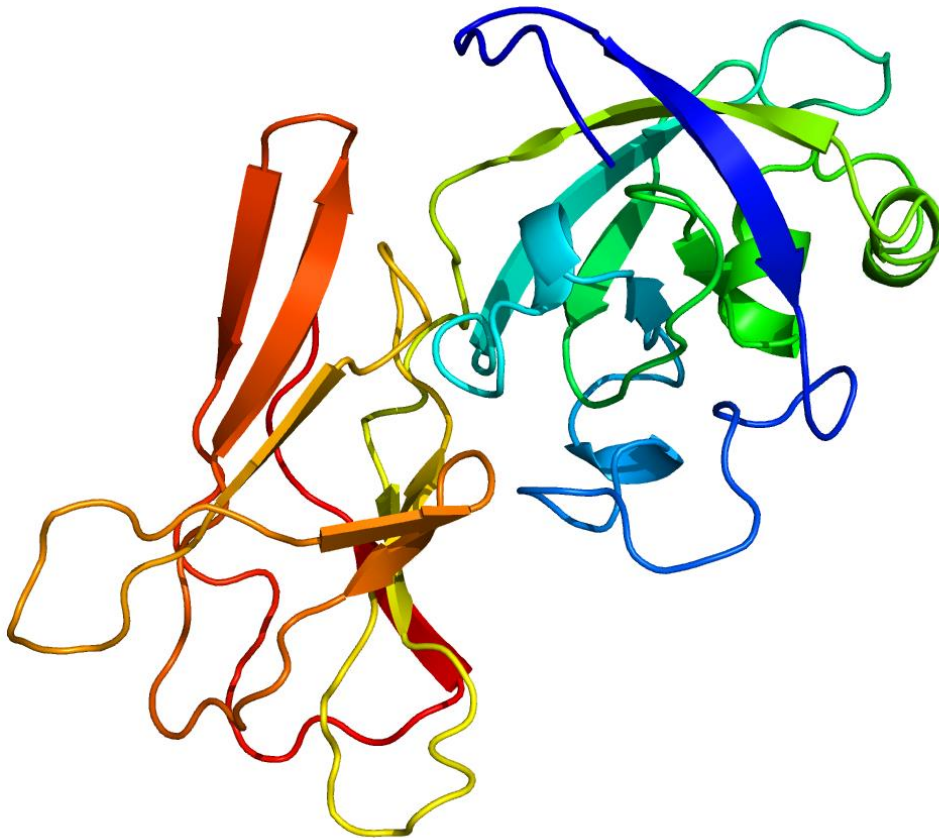
Locus: Tp57577_TGAC_v2_mRNA19845

Gene Model: Tp57577_TGAC_v2_mRNA19845

Description: TprEXLB-01

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Tpratense_v2

KEGG:-

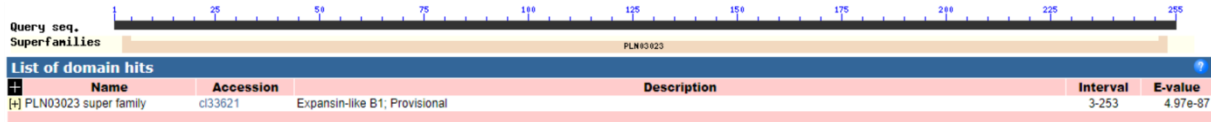
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>TprEXLB-01

MALSLLCTVVLTAFLFMQTMADTSCSDCFVQSRASFYPNSDKKGTADAGACGFGSFG
ATINGGDVSAASSLYRDGVGCGACYQVRCTNSVYCSGDGVTIVLTDQGSNDNTDFIL
SQRAFSGMAQNKDAAASLLALGVADIEYRRVSCNYPNKNITIKINESSNPHYLAFLV
WFQQGRRDITAVQLCETQNFVCKLLDRDHGAVWTTTSPPSGPLSLRMLFSTEDGDDT
WIVPVNNIPEDWKAGETYDSGVQVDQ*

CDS (coding sequence)

>TprEXLB-01

ATGGCACTCTCTCTTTTGTGTACTGTTGTCCTTACCGCCTTTCTTTTCATGCAA
ACTATGGCAGATACTTCATGCAGCGATTGCTTTGTTCAATCTCGTGCATCATTTTACCC
AAACTCTGACAAAAAAGGCACGGATGCTGGTGCATGTGGATTTGGGTCTTTGGT
GCTACCATTAATGGCGGAGATGTATCGGCTGCATCTAGTCTTTATCGAGATGGAG
TTGGCTGTGGCGCTTGTACCAGGTGAGGTGTACCAACAGTGTATTATTGCTCAGG
CGACGGTGTCACTATAGTTTTAACTGATCAAGGCTCAGGTGATAATACTGATTT
ATTCTTAGCCAACGAGCCTTTAGTGGGATGGCTCAGAACAAGGATGCAGCTGCTT
CTCTATTAGCTCTTGGTGTAGCTGATATTGAATACAGACGTGTTTCATGTA
ACTACCAAATAAAAACATTACAATTAAGATCAATGAAAGCAGCAGCAACCCTCATTACT
TGGCTTTTGTCTTATGGTTTCAACAAGGAAGGAGAGACATAACTGCTGTGCAGCT
CTGTGAGACTCAGAATTTTGTCTGCAAATTACTGGATCGGGATCATGGCGCTGTC
TGGACTACTACATCTCCGCCAAGTGGACCTTTGTCTTTAAGGATGTTGTTTAGTAC
TGAAGATGGAGACGATACATGGATCGTTCAGTTAATAACATACCAGAAGACTG
GAAGGCTGGAGAAACATATGACTCAGGAGTACAAGTAGACCAGTAG

Nucleotide

>TprEXLB-01

CAGGCTGACTAAATTTGGTGAATGGGGACCATATATATCCATTTGTGTGGGTCTA
ACTCAGAATTAATCTATGTACAAGAAATGTTGTGAAATATCATTTCATATAA
ACAGAATAAAACATATCTAAAAGAGAGAGTTGTACAAATTTTGAGGGCAGAACG
TGGGTTTCAATGTCAAATGTAGACTAATCAAGTAGTCCAAAAACAATGGTATCAA
AGTTACTATTATTCAAATCTGAATAGTTTTTATTTTCATCTTTGGAATGTCAAAGT
TGTAACATTGACCAGATTCTCTATAAATAGGAGAAATCCACTTCCCTTCATGCA

TCACAAGCTCTCTTTACCATCCTGAATTCTGTCTGCTTTATCCATTCTGTCCTACAT
GGCACTCTCTCTTTTGTGTACTGTTGTCCTTACCGCCTTTCTTTTCATGCAAACAT
GGCAGATACTTCATGCAGCGATTGCTTTGTTCAATCTCGTGCATCATTTTACCCAA
ACTCTGACAAAAAAGGCACGGATGGTAAGAAAATAATAACAGGATAACAAAA
TGCAAACATGAAGTGATATTTGTAAAAATGTTCTCTCATATATATATGCTCCTTTT
GAATTCATTGCAGCTGGTGCATGTGGATTTGGGTCCTTTGGTGCTACCATTAATGG
CGGAGATGTATCGGCTGCATCTAGTCTTTATCGAGATGGAGTTGGCTGTGGCGCT
TGTTACCAGGTGATAAGACGCCTATACTTATTTACACACAGAAACATTTTTCAGTAG
TTCTGTCGTTTGGTCCTTTGACATTCACAAATGTAACATAAAAAACAGTCTGCAAC
TTAACATTATGCATTCTAGCTTCGAAAGTGATATTTCTTATTATGCTTTGCCAGGT
GAGGTGTACCAACAGTGTTTATTGCTCAGGCGACGGTGTCACTATAGTTTTAACT
GATCAAGGCTCAGGTGATAATACTGATTTCAATTCTTAGCCAACGAGCCTTTAGTG
GGATGGCTCAGAACAAGGATGCAGCTGCTTCTCTATTAGCTCTTGGTGTAGCTGA
TATTGAATACAGACGGTAAGATATTCTTCCCTTACAATTTTCATGCATGCATCAACT
TTTCTGTGAAGGAGAGACTTGATGCAATAGCTATTATCGCATGATTA AAAAGTCA
CAAATTTGAGTTGTAGAATTGGGCCTTGTAATGTAAGAAAAGATTGCCGATAA
TACATCTGCAATGAGTTTAACTCTTCCCTAGATCTTACTATGGTGGAGCATTATAG
CAGTATGTCGCTTTTTTTTTTCATGCACCAATTTTCTCTGTTTTTTGTTATATGTAAC
TTAATCAAGGCCTCTCCTTGTTATCTGCAGTGTTTCATGTA ACTACCCAAATAAAA
ACATTACAATTAAGATCAATGAAAGCAGCAGCAACCCTCATTACTTGGCTTTTGT
CTTATGGTTTCAACAAGGAAGGAGAGACATAACTGCTGTGCAGCTCTGTGAGGTA
TTATCCACTTCCCTTATCCTGTGATATGTTGTAATTTTTGTCAAATCTTTAAGCAGA
ATAAACTAAAATTTTCAAACAGATAATTTGGTGAAGAAGAACGTGGTGAAAATTT
GAGTATTTAAGATCATATAATCAATTTCCCATATTGAAAATGATTATATTTGGCCA
AATATTTAACTTTAGAAGAGACATCACATCACCACATGTGAAAAGACACCTTTAA
ATGTTTAACTCTTCATTCAACTGAAACAACATTCTTAAAGAAACAAGTGCACAAA
ATAAATAGAGAAAATAAGAAAGGATTTGTTGGCTTGGTAAAAAGTATTGTAAT
GACTTACCTCGTTTGCTGAATGCAGACTCAGAATTTTGTCTGCAAATTA CTGGATC
GGGATCATGGCGCTGTCTGGACTACTACATCTCCGCCAAGTGGACCTTTGTCTTTA
AGGATGTTGTTTAGTACTGAAGATGGAGACGATACATGGATCGTTCCAGTTAATA
ACATAACCAGAAGACTGGAAGGCTGGAGAAACATATGACTCAGGAGTACAAGTAG
ACCAGTAGAGAAGCACCAAAGAAATTGTTTATTTATATGCTAATATTATTGCCCT
GTTATGAAAGAAATAAATGTTAGTAACAGGCCTCTAATTAAGATTAATGCTGGCC
TAATCTGATAGATCTGTA ACTGCCTAGATTTCTGAATGTTTATGTCTGTAAGACTG
TAACTGTTTCCATCGGTCTGTCGTA ACTTCCCATGGTGTGTCTATTTAAATAAAGT
CGGGAATAGAAATTTGGGTATTGGGTTAGTTGTTTTAGTTTGGTGGTTATGGGA
GACGGCAGGCTCTTGGACAACCTGTAGTCTTTTGTAACATTTATGTTATCATGTCA
ATTCAATATAAGTTCATTTATTCAATTATATATTGTTGGTACCATTTTCTATCAATA
ATAAAGTCCACTGAATTTATCGCTTATCAAAAAAAAAGTCCACTGAATTTATC
ATACCATTGATCACAAATACTCTTTTCAATTTCAATCATATACAAACAAATATAAC
TAGGTTTCCAG