

IDENTIFICATION

Species: *Solanum tuberosum*

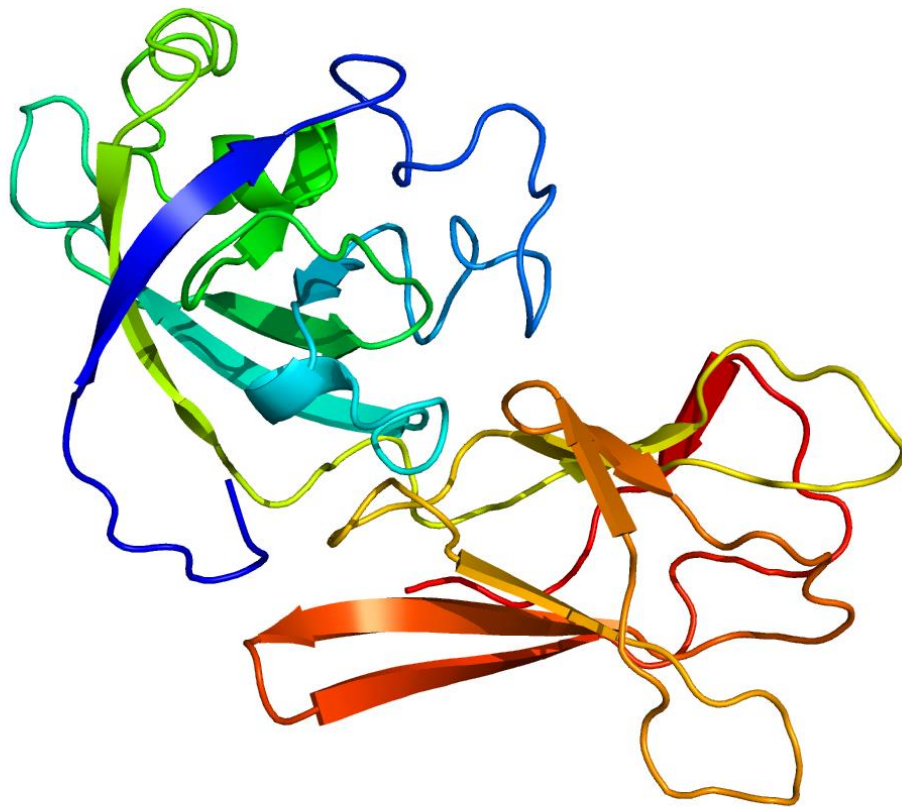
Locus: PGSC0003DMP400045515

Gene Model: PGSC0003DMP400045515

Description: StEXLB-08

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Stuberosum_v4_03

KEGG: <https://www.genome.jp/entry/T02981>

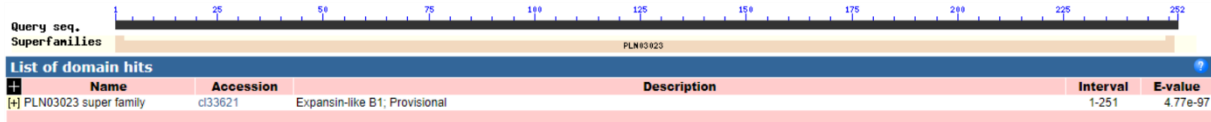
EXTERNAL RESOURCES

<http://spuddb.uga.edu/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>StEXLB-08

MAISFNNCSTFMICILLLPAFSFGTENYYSKATFYKTS DGKGTPTGACGYGEHGRYV
NDGLVTAASWKLYKNGVGC GACYQVRCKDEALCSNEG VKVVVTDSGEGPGTDFIL
SSDAFAKMAKHPKLAHMLFPKGVVDVDYKRV SCKYGNL KIKINEHSNYHG YLAIFL
FNNGGYADIIAIEIYDV KSYK WIPMRRSYGAVFDLEN PPKGDLK LKIQIKEGEKTKWI
HSDKTVIPDYWKPGSIYETDIQIP*

CDS (coding sequence)

>StEXLB-08

ATGGCTATCTCTTTCAACAATTGTTCCACTTTTATGATATGTATAATTTTACTTTTG
CCTGCATTTTCCTTTGGTACTGAAAATTATTATTCTAAAGCTACATTTTATAAGAC
CTCTGATGGCAAAGGAACACCTACTGGAGCTTGTGGTTATGGAGAGCATGGAAG
ATATGTCAATGATGGACTCGTTACCGCCGCGTCATGGAAGCTCTACAAGAATGGA
GTTGGATGTGGTGCATGTTATCAGGTGAGGTGCAAGGACGAGGCACTATGTAGCA
ACGAGGGAGTTAAAGTGGTGGTACTGATAGTGGTGAGGGGCCCGGAACTGACT
TTATTCTTAGCTCAGACGCGTTTGCCAAAATGGCGAAGCATCCAAAGCTAGCTCA
CATGTTGTTCCCAAAGGGAGTGGTTGATGTTGACTACAAAAGAGTTTCTTGCAA
TATGGCAATCTCAAATCAAATTAATGAACATAGCAACTATCATGGCTACCTTG
CAATATTTCTATTTAACAATGGTGGCTATGCTGATATCATAGCAATTGAAATCTAC
GATGTAAAAAGCTACAAATGGATACCAATGAGGAGGTCATATGGAGCAGTTTTT
GATTTGAAAATCCACCAAAGGGAGATTTGAAATTAAGATTCAAATAAAAGAA
GGTGAAGACCAAATGGATCACTCAGACAAAACCTGTGATCCCAGATTATTGG
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Nucleotide

>StEXLB-08

ATGGCTATCTCTTTCAACAATTGTTCCACTTTTATGATATGTATAATTTTACTTTTG
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TTAAGATAGATTGATTGATTCAACATTTTATTAATTTGCAACATATATTTGATCAG
CTGGAGCTTGTGGTTATGGAGAGCATGGAAGATATGTCAATGATGGACTCGTTAC
CGCCGCGTCATGGAAGCTCTACAAGAATGGAGTTGGATGTGGTGCATGTTATCAG

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ATGTCCCAAAAGTATGACGGAGGGTATCTACATACCATTTATGATAGTTCGGAGG
TATATTTGTCATTTTTACCAAAAAAATTTGCAAACTAACATAGATAGTGGGAA
ATTACCAATTTTATCATGTAAATTTCTAATATTTGTCATTACGATTTACTTGTAATT
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