

## IDENTIFICATION

**Species:** *Solanum tuberosum*

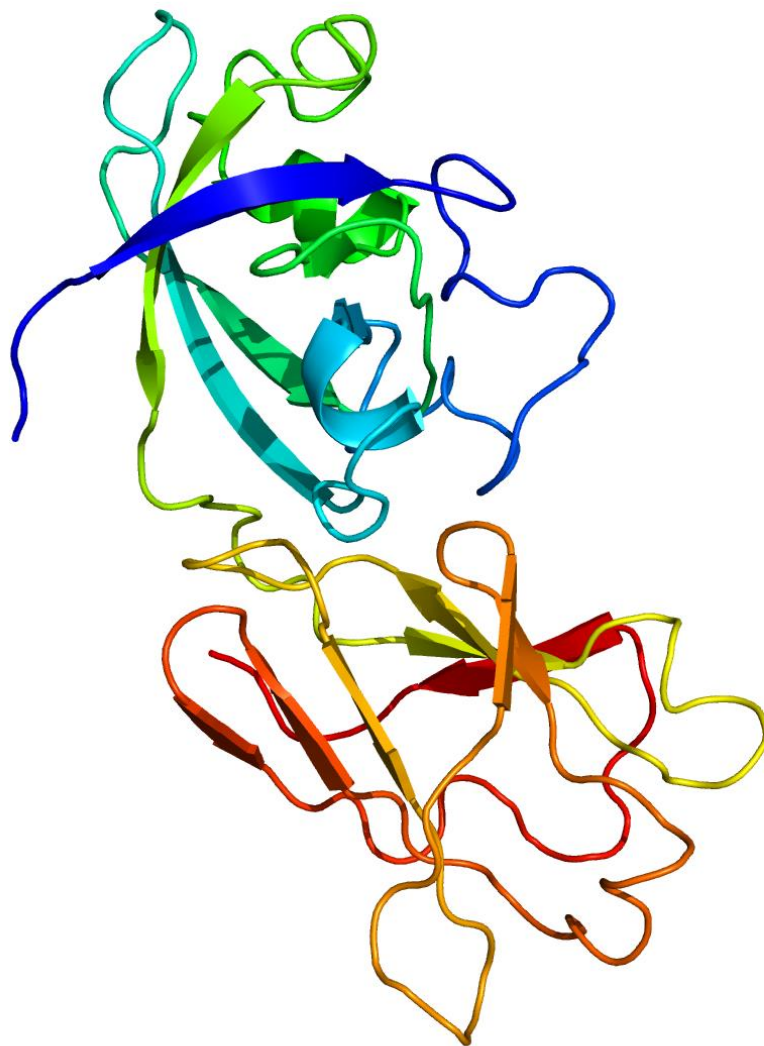
**Locus:** PGSC0003DMP400003309

**Gene Model:** PGSC0003DMP400003309

**Description:** StEXLB-03

**Family:** Expansin Like Beta

**3D structure:**



## GENOME DATABASES

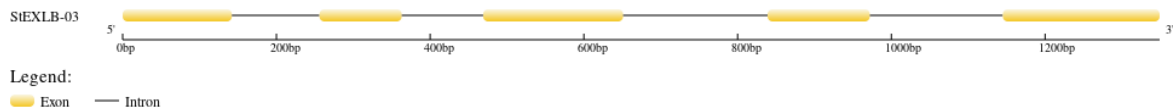
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Stuberosum\\_v4\\_03](https://phytozome-next.jgi.doe.gov/info/Stuberosum_v4_03)

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

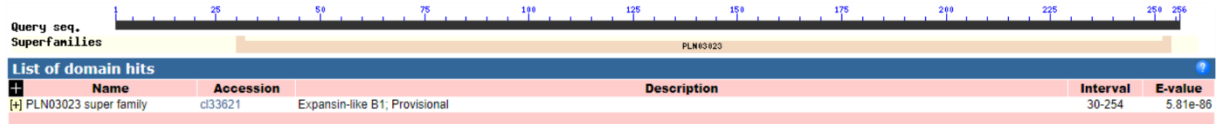
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>StEXLB-03

MAPLQVLSVFVASFIFMQTLGNSQTCPCDFTRSRAAHYPNSEEKGTETGSCGFGTFGA  
TINGGDVSAASELYRNLGCGACYQVRCTDGNYCSDKGVTVIVTDQGAGDRDTDFILS  
QRAFARMAQTTDAAASILPLGVVDIEYRRVSVCTYPDKNITIKIESSDNPHYLAFVIWY  
QQGKKDITAVQLCETQNFVCKLLDRTRGAVWTTTSPPRGPLQIRMILLSVDDEDETW  
VVPVNNIPENWKAGDTYDSGIQEDA\*

### CDS (coding sequence)

>StEXLB-03

ATGGCTCCTCTTCAAGTTCTCTCTGTCTTTGTAGCATCTTTTATCTTCATGCAA  
CTGGGGAACTCTCAAACATGCCCGGATTGTTTCACTCGTTCTCGTGCAGCCCACTA  
TCCAAATTCAGAAGAAAAAGGAACAGAACTGGGAGTTGTGGATTTGGTACTTTT  
GGAGCAACAATCAATGGCGGAGATGTCTCAGCAGCATCAGAACTCTATCGAAAT  
GGTCTAGGATGTGGTGCATGCTACCAGGTGAGGTGCACCGACGGTAACTACTGTT  
CTGATAAAGGAGTGACTATAGTTGTAACAGACCAAGGTGCAGGTGATCGCACAG  
ACTTTATTCTAAGTCAGCGAGCCTTTGCTCGCATGGCTCAGACAACAGATGCTGC  
TGCTTCTATATTGCCACTTGGTGTGGTGGATATTGAATACAGAAGGGTCTCATGC  
ACCTACCCGGACAAAATATTACAATCAAGATTGAAGAGAGCAGCGACAATCCT  
CATTACTTGGCTTTTGTGATATGGTATCAACAAGGAAAAAAGGATATTACAGCTG  
TGCAACTATGTGAGACACAAAATTTTGTATGTAAGCTGTTGGACAGGACACGTGG  
AGCAGTGTGGACTACTTACCTCCAAGGGGACCTCTGCAAATCAGAATGCTA  
CTGAGTGTGATGACGAAGATGAGACATGGGTTGTTTCTGTCAATAATATACCTG  
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### Nucleotide

>StEXLB-03

ATGGCTCCTCTTCAAGTTCTCTCTGTCTTTGTAGCATCTTTTATCTTCATGCAA  
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AAACATGGATCATTGGATATCAATTAATCGAGTACAACATAAGGTACCAATAAGT  
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CCATCGAACAGGGTCTCATGCACCTACCCGGACAAAAATATTACAATCAAGATTG  
AAGAGAGCAGCGACAATCCTCATTACTTGGCTTTTGTGATATGGTATCAACAAGG  
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