

IDENTIFICATION

Species: *Solanum tuberosum*

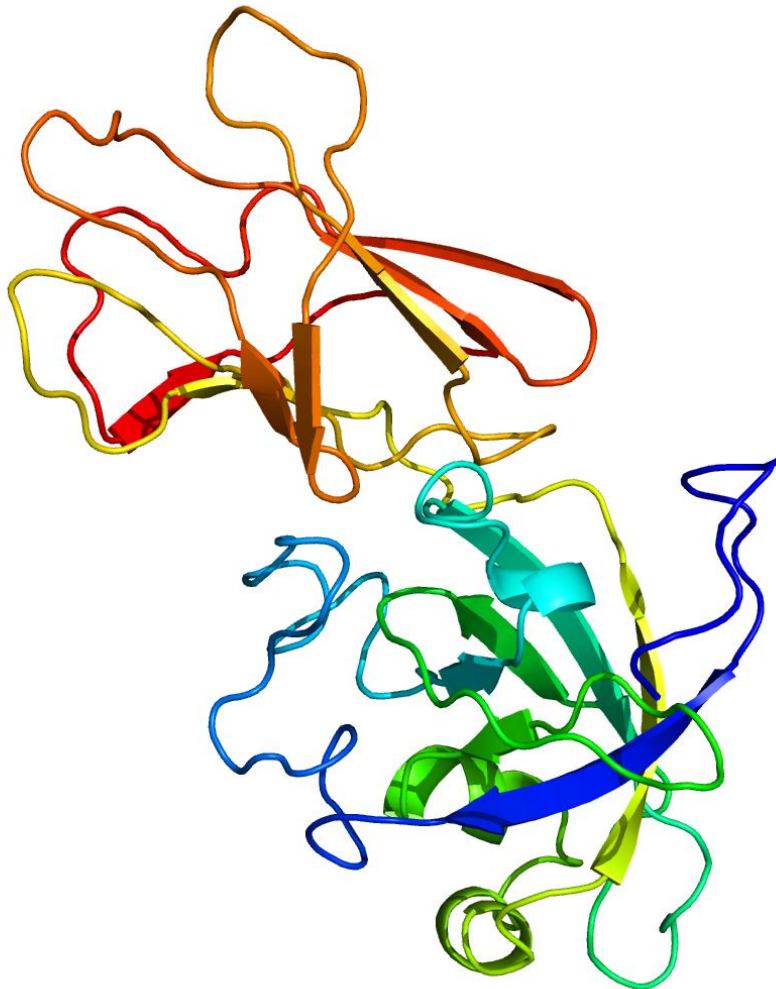
Locus: PGSC0003DMP400066761

Gene Model: PGSC0003DMP400066761

Description: StEXPB-04

Family: Beta Expansin

3D structure:



GENOME DATABASES

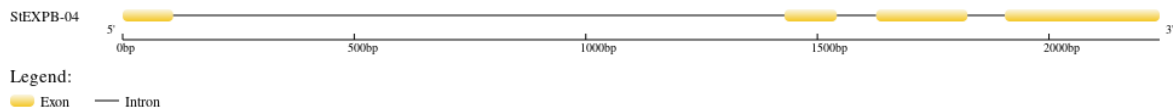
Phytozome: https://phytozome-next.jgi.doe.gov/info/Stuberosum_v4_03

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

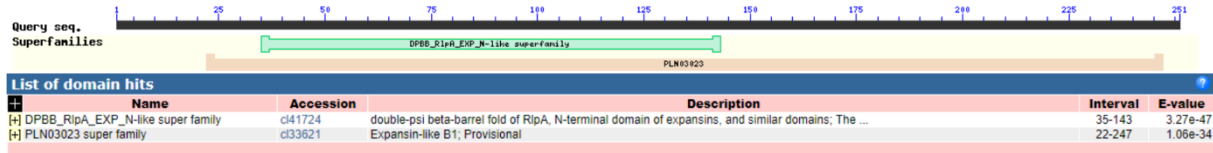
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>StEXPB-04

MDPPNPSGLAHTGFASQVKLTSYFGRPAKIKPNPSQGGACGLEDDVARSPYNSMITA
GNQALFKQGVGCGACYQVFCNQQTQNSHCNGNPITVTLTDECPGTCNNDPVHFDLSGI
AFAKLAKSGEELGELHKAGRIPIFYNRVPCNYNRNLFKVDKGSNPNFFAVVSEAVDG
DGDLSLVEIQTGGENTWKS MNRMIGSTWSV GIEPNTQKPPFSLKLTSGTKQTVTALN
VIPDGWQPTKVYDSNVNFPTKL*

CDS (coding sequence)

>StEXPB-04

ATGGACCCGCCCAATCCATCCGGGCTAGCCCACACAGGCTTTGCAAGTCAGGTTA
AGTTGACCAGTTATTTTGGTAGGCCAGCGAAAATCAAGCCCAACCCATCACAAGG
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ACAGCAGGGAATCAAGCTCTTTTAAAGCAAGGTGTTGGATGTGGTGCATGCTATC
AGGTGTTTTGCAACCAAACCCAGAATTCACATTGTTTCAGGAAATCCGATAACAGT
AACGCTTACTGATGAGTGTCTTGAACATGCAATAATGATCCAGTTCACCTTTGAT
TTAAGTGAATAGCATTTCGCAAATTTGGCAAATCTGGTGAAGAGGGAGA ACTA
CATAAAGCAGGAAGAATTCCCATTTTTTATAATAGGGTACCATGCAATTACAACA
GAAATATATTGTTCAAGGTAGATAAAGGGTTCGAACCCTAATTTTTTCGCGGTTGT
ATCTGAAGCAGTAGACGGAGATGGTGATCTATCTTTAGTTGAAATACAAACAGGA
GGGAGAATACATGGAAATCTATGAATAGAATGATTGGATCAACTTGGAGTGTT
GGCATAGAACCAAATACACAAAACCTCCATTTTCTCTAAAACCTTACTTCTGGAA
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Nucleotide

>StEXPB-04

ATGGACCCGCCCAATCCATCCGGGCTAGCCCACACAGGCTTTGCAAGTCAGGTTA
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