

IDENTIFICATION

Species: *Solanum tuberosum*

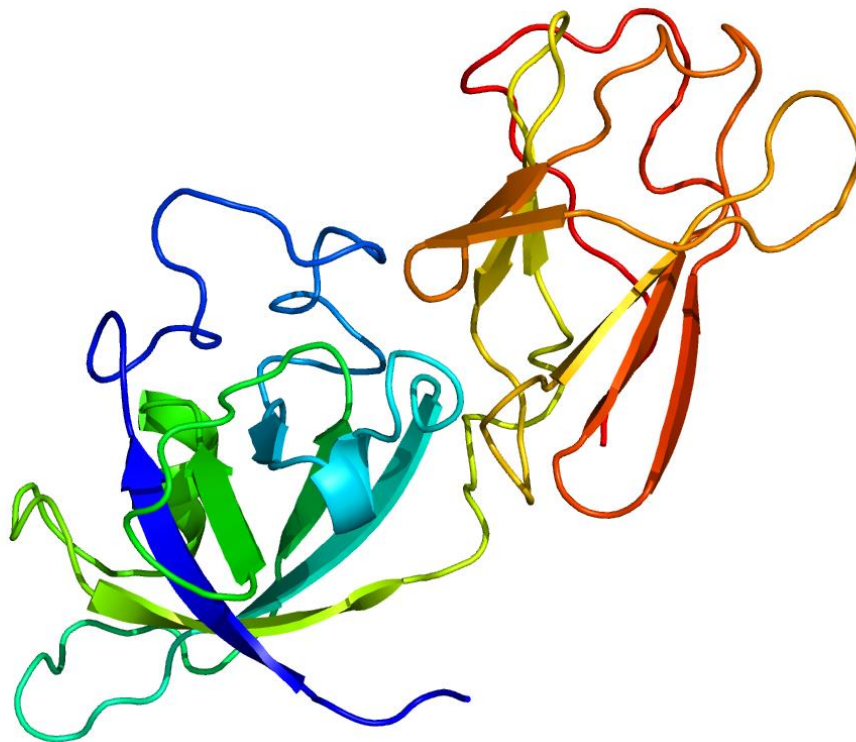
Locus: PGSC0003DMP400051072

Gene Model: PGSC0003DMP400051072

Description: StEXPA-23

Family: Alpha Expansin

3D structure:



GENOME DATABASES

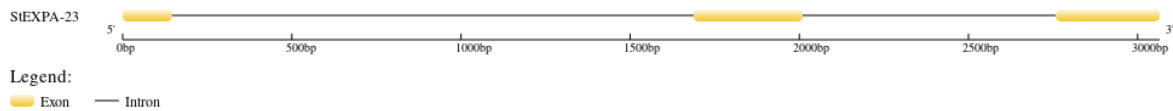
Phytozome: https://phytozome-next.jgi.doe.gov/info/Stuberosum_v4_03

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

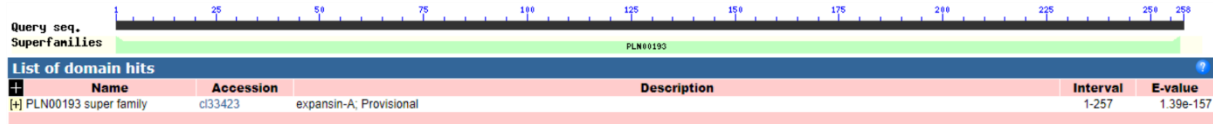
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>StEXPA-23

MANNVNLALGFIIGLCTFFSSANGFSADSGWTSAHATFYGGGDASGTMGGACGYGN
LYSTGYGTRTAALSTALFNDGGSCGQCYKIICDYKADPQWCKKGVSVTITSTNFCPP
NYNLPSNNGGWCNPPRPHFDMAQPAWEKIGIYKGGIVPVLYKRVPCKKHGGVRFIT
NGRDYFELVLISNVAGAGSVQSVQIKGSNTNWLTMsrnwgASWQSNAYLDGQPISF
KVTTSdgvTKTFLNIVPSGWKFGQTFSSQTQF*

CDS (coding sequence)

>StEXPA-23

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ATTTGTATTCAACAGGATATGGTACTAGGACAGCAGCATTGAGCACAGCACTGTT
CAATGATGGAGGATCATGTGGTCAATGCTACAAAATCATTGTGATTACAAGGCT
GATCCTCAATGGTGCAAAAAGGGAGTATCTGTTACAATTACATCTACAAATTTTT
GTCCACCAAATTACAATCTTCCTAGTAACAATGGAGGATGGTGCAACCCTCCACG
TCCACATTTTGATATGGCTCAACCAGCTTGGGAAAAAATTGGAATTTACAAAGGT
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ACTATGTCAAGAAATTGGGGAGCAAGTTGGCAATCCAATGCATATCTTGATGGAC
AACCAATATCATTTAAGGTCACTACTAGTGATGGTGTCAAAAACATTCTTAAA
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GA

Nucleotide

>StEXPA-23

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