

IDENTIFICATION

Species: *Solanum tuberosum*

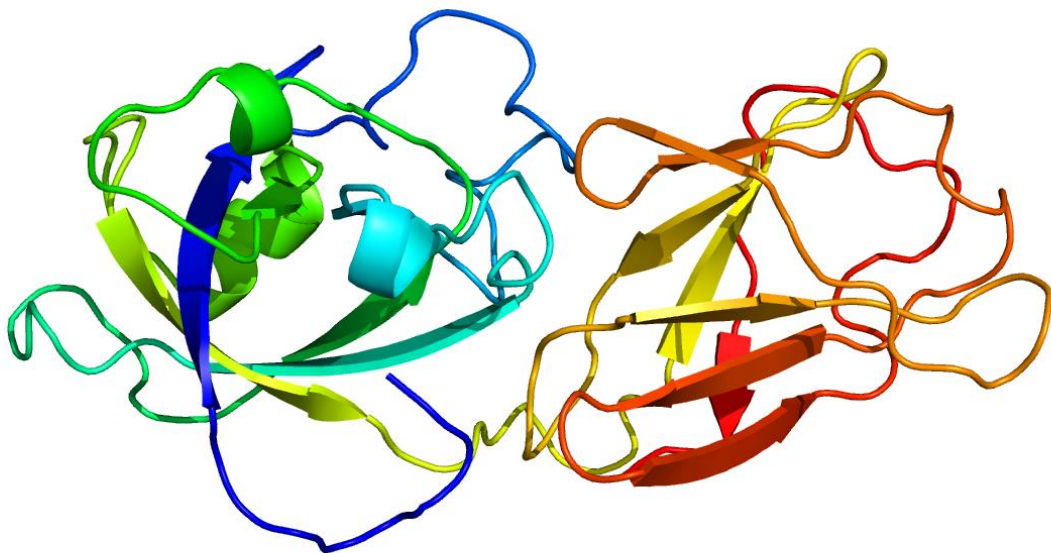
Locus: PGSC0003DMP400002572

Gene Model: PGSC0003DMP400002572

Description: StEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

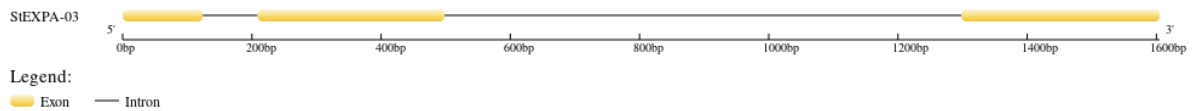
Phytozome: https://phytozome-next.jgi.doe.gov/info/Stuberosum_v4_03

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

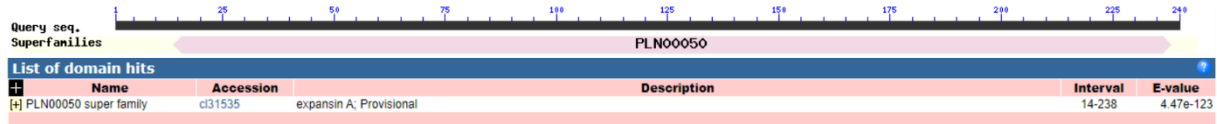
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>StEXPA-03

MALLGLLLMGISLMFQSAHGNGGWINAHATFYGGGDASGTMGGACGYGNLYSTGY
GTNTAALSTALFNGLSCGSCFQLMVCNAGQYCLPGIITVTATNFCPPGGWCDPPRP
HFDLSQPIFLRIAQYRAGIVPVAYRRVPCRRSSGGIRFTINGHSYFNLVLTNVGGAGD
VHSVYIKGSRTQWQPMSRNWQNWQNNAYLNGQSLSFKVTGDRTVVSYNAAPS
SWSFGQTFSGGQFR*

CDS (coding sequence)

>StEXPA-03

ATGGCTCTTTTAGGTCTCCTTTTAATGGGAATTTCCCTCATGTTTCAATCAGCCCA
TGGCAATGGCGGTTGGATCAATGCTCATGCCACTTTTTACGGTGGAGGAGATGCT
TCTGGA ACTATGGGTGGTGCTTGTGGTTACGGAAATTTATACAGCACTGGATACG
GTACGAACACTGCTGCGTTGAGTACTGCTCTGTTCAATAACGGGTTGAGTTGTGG
ATCGTGTTTTCAGCTAATGTGTGTGAATGCGGGGCAGTACTGCCTGCCGGGCATA
ATTACTGTGACAGCCACAAATTTCTGTCCACCAGGAGGGTGGTGTGATCCTCCGC
GCCCTCATTTTGATCTCTCTCAACCTATCTTCTTGCGCATTGCTCAATATAGAGCT
GGCATCGTTCCTGTTGCCTACAGAAGAGTACCCTGCAGAAGAAGTGGAGGAATTA
GATTTACAATCAATGGTCACTCTTACTTCAACTTGGTTCTTGTAACAAATGTTGGA
GGTGCAGGAGATGTACACTCAGTATACATCAAGGGTTCAAGAACTCAATGGCAA
CCAATGTCAAGAAATTGGGGCCAAAATTGGCAGAATAACGCTTACCTTAACGGCC
AAAGCCTGTCCTTTAAGGTCACTACAGGCGATGGTCGCACTGTTGTTTCATACAA
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AG

Nucleotide

>StEXPA-03

ATGGCTCTTTTAGGTCTCCTTTTAATGGGAATTTCCCTCATGTTTCAATCAGCCCA
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CATTAGTGGGACTTTTTTTGCTTTTAAACACCTCACCTCACGCCAGTGCTTAGCATC
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