

IDENTIFICATION

Species: *Setaria viridis*

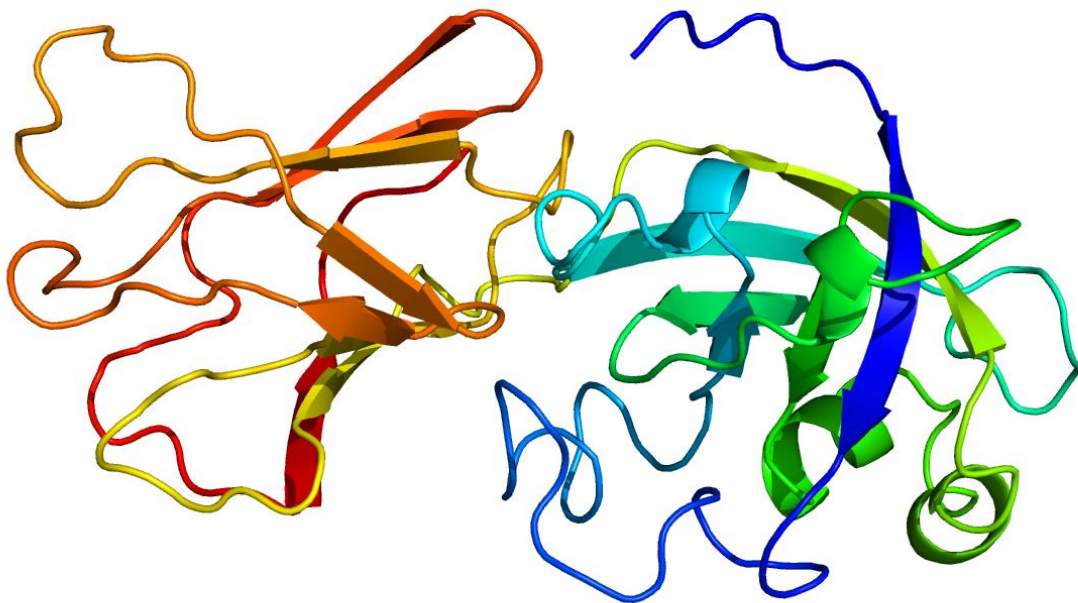
Locus: Sevir.7G203000

Gene Model: Sevir.7G203000.1.p

Description: SvEXPB-11

Family: Beta Expansin

3D structure:



GENOME DATABASES

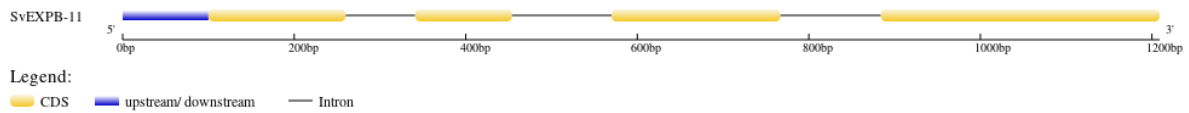
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

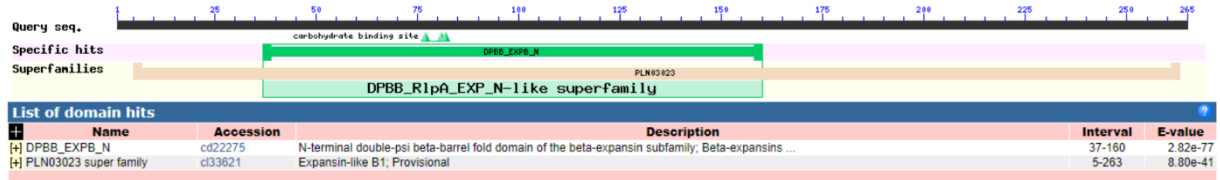
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPB-11

MASKSQLLLFIAVA AIASLLHPCESIEFHRKLSWSSDGGATWYGAATGAGSDGGAC
GYQGAVDQAPFSSMIAAGNPSIYKSGKGCSCYQVKCTGNDACSGNPVTVVITDECP
GGGACSNEPVHFDMSGTAFGAMAKPGQAEKLRAAGVLQIQYSRVQCSWPGVQLTF
VVDAGSNPNYFAVLIKYLNGDGDLSAVDLMQTGAGAAWTPMQQSWGAVWKYNA
GSALQAPLSIRLTSSSGKQLVASNVIPVGWKPAAAYQSAVNY*

CDS (coding sequence)

>SvEXPB-11

ATGGCTTCCAAGTCCCAGCTTCTGCTCTTCATTGCGGTTGCAGCGATCGCCTCGCT
CCTCCATCCTTGCGAATCCATCGAGTTCCATCGGAAGCTCTCCAGCTGGTCCAGC
GACGGCGGCGCGACGTGGTACGGCGCCGCTACTGGGGCTGGAAGCGATGGCGGG
GCTTGTGGCTACCAGGGTGCCGTCGACCAGGCGCCGTTCTCGTCCATGATCGCCG
CCGGCAACCCTTCCATCTACAAATCCGGCAAGGGCTGCGGCTCTTGCTACCAGGT
GAAATGCACCGGTAATGACGCTTGCTCCGGCAACCCAGTTACCGTCGTCATCACC
GACGAATGCCCGGCGGCGGCGCGTGCTCGAACGAGCCGGTCCACTTCGACATG
AGCGGGACGGCGTTTGGCGCCATGGCGAAGCCCGGCCAAGCCGAGAAGCTGCGC
GCCGCCGGTGTCCTCCAAATCCAGTACTCCCGCGTGCAGTGCAGCTGGCCCGGAG
TACAGCTAACCTTCGTCGTGGACGCGGCTCGAACCCGAACTACTTCGCCGTGCT
CATCAAGTACCTGAACGGCGACGGCGACCTCTCGGCCGTCGACCTCATGCAGACC
GGGGCCGGGGCGGCGTGGACGCCATGCAGCAGTCGTGGGGCGCCGTCTGGAAG
TACAACGCCGGATCGGCACTGCAGGCGCCCTTGTCGATCCGCCTCACGTCCAGCT
CCGGCAAGCAGCTCGTCGCCAGCAACGTCATCCCCGTCGGCTGGAAGCCGGGCG
CCGCCTACCAGTCGGCGGTTAACTACTGA

Nucleotide

>SvEXPB-11

GCTTCTCATCTACTTGCCCTCCTCTCCTAGCTACTACACAAATCCTTGTGCAAGTGA
AACCAGGAGATCAGCAGCCAGAGACAGGGAAGAAACAGCTAGCTATGGCTTCCA
AGTCCCAGCTTCTGCTCTTCATTGCGGTTGCAGCGATCGCCTCGCTCCTCCATCCT

TGCGAATCCATCGAGTTCCATCGGAAGCTCTCCAGCTGGTCCAGCGACGGCGGCG
CGACGTGGTACGGCGCCGCTACTGGGGCTGGAAGCGATGGTATGTTCTGTTCTGT
GTCACAGTACTATATTCTGCCTAAACTATTGGCTCATTCTCAACGACATGCTGAA
TACACGTAGGCGGGGCTTGTGGCTACCAGGGTGCCGTCGACCAGGCGCCGTTCTC
GTCCATGATCGCCGCCGGCAACCCTTCCATCTACAAATCCGGCAAGGGCTGCGGC
TCTTGCTACCAGGTGCGTACATATATGTTGTAAAGTTTGCTGGATGGGGTACCAT
GCACAATGCACCAGCAACTATATGCGTGTTGCCATCTAATTAACGTGATAGGAAA
TGTTCAACGTTGGCTCAGGTGAAATGCACCGGTAATGACGCTTGCTCCGGCAACC
CAGTTACCGTCGTCATCACCGACGAATGCCCGGGCGGCGGCGCGTGTCTCGAACGA
GCCGGTCCACTTCGACATGAGCGGGACGGCGTTTGGCGCCATGGCGAAGCCCGG
CCAAGCCGAGAAGCTGCGCGCCGCCGGTGTCTCCTCAAATCCAGTACTCCCGGTAA
GCATCCATGCACGCTAACGCAACTACACATCCACGTACGTGGTATCACACACAGA
GCCACGTAACGAACTGTCTTTAATTTCTTACAACGATGCGCGTGATGTTGTGTAC
AGCGTGCAGTGCAGCTGGCCCGGAGTACAGCTAACCTTCGTCGTGGACGCCGGCT
CGAACCCGAACTACTTCGCCGTGCTCATCAAGTACCTGAACGGCGACGGCGACCT
CTCGGCCGTCGACCTCATGCAGACCGGGGCCGGGGCGGCGTGGACGCCCATGCA
GCAGTCGTGGGGCGCCGTCTGGAAGTACAACGCCGGATCGGCACTGCAGGCGCC
CTTGTCGATCCGCCTCACGTCCAGCTCCGGCAAGCAGCTCGTCGCCAGCAACGTC
ATCCCCGTCCGGCTGGAAGCCGGGGCGCCGCCTACCAGTCGGCGGTAACTACTGA