

IDENTIFICATION

Species: *Setaria viridis*

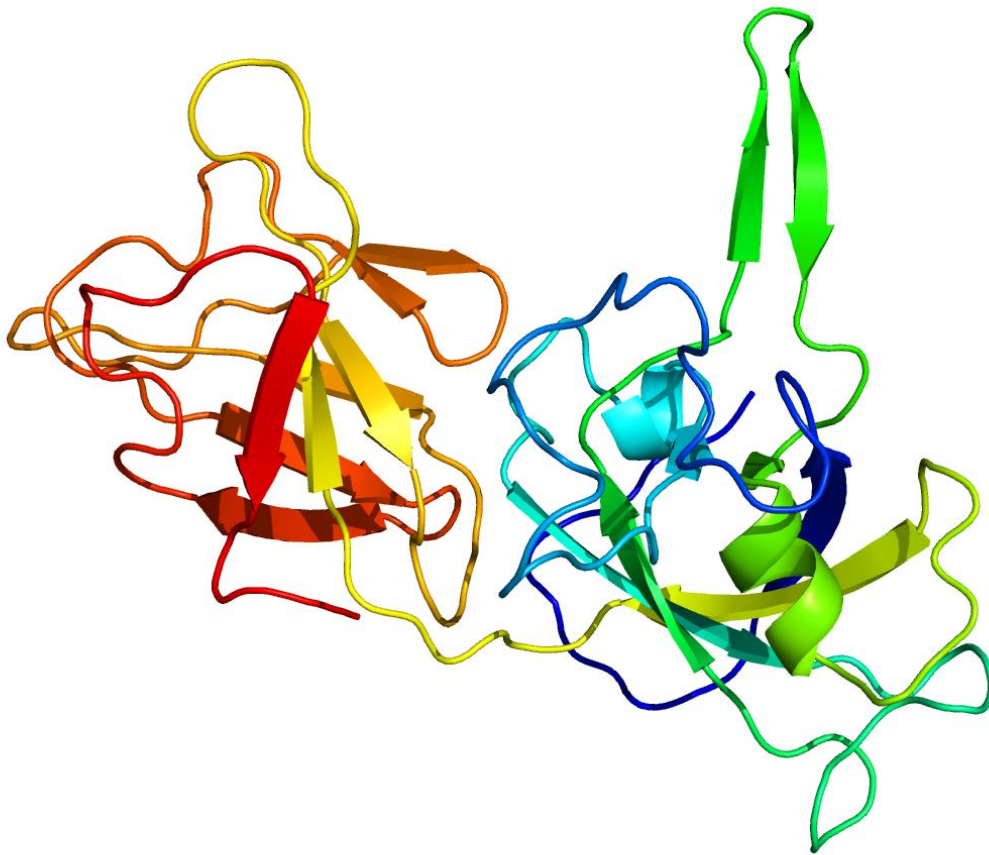
Locus: Sevir.1G010500

Gene Model: Sevir.1G010500.1.p

Description: SvEXPA-05

Family: Alpha Expansin

3D structure:



GENOME DATABASES

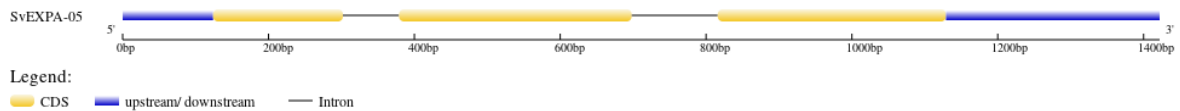
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

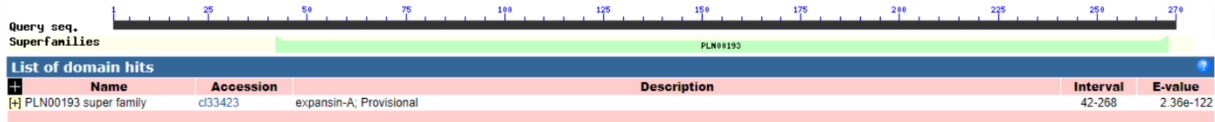
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-05

MASARVLA VVLLALGWAMAVAADDVATTSSPSPPPAPAPIVWQRAHATFYGGADA
AGTMGGACGYGNLYSQGYGSRTAALSTVLFADGASCGQCYKIACDRKTNPALCKPG
VTVTVTATNFCPPNWEFPDGGWCNTVRPHFDMAQPAWEKIGADTRVGIIPVIYQRVP
CVRRGGVRFTHINGHDYFNLVLVANVAAAGSIKSMDVKTSSTDWMPMARNWGAN
WHSLAYLSGKRLSFRVTITDGQTLEFTNVPPGWTFGVTFASNLQFK*

CDS (coding sequence)

>SvEXPA-05

ATGGCTTCAGCTCGAGTTCTCGCAGTCGTGTTGCTCGCACTCGGCTGGGCAATGG
CAGTGGCCGCAGACGACGTCGCGACGACCAGCTCACCGTCGCCGCCACCGGCTCC
GGCGCCGATCGTGTGGCAGAGAGCCACGCGACGTTCTACGGTGGAGCAGATGC
CGCCGGGACCATGGGCGGGCGCTTGCGGGTATGGCAACCTCTACTCGCAGGGGTAC
GGCTCGCGCACGGCGGGCGCTGAGCACGGTGCTCTTCGCTGACGGCGCGTCGTGCG
GGCAGTGCTACAAGATCGCCTGCGACCGGAAGACGAACCCGGCGTGTGTGCAAGC
CCGGCGTCACGGTCACGGTCACCGCCACCAACTTCTGCCCGCCCAACTGGGAGTT
CCCCGACGGCGGGTGGTGCAACACGGTGCGCCCCCACTTCGACATGGCGCAGCC
GGCCTGGGAGAAGATCGGCGCCGACACCAGAGTCGGCATCATCCCCGTCATCTAC
CAAAGAGTTCCATGCGTGAGGAGGGGTGGAGTGAGGTTACGATCAACGGGCAC
GACTACTTCAACCTTGTCTGGTGGCCAATGTTCGACGGCCGGCTCCATCAAAT
CCATGGATGTCAAGACCTCCGACTCGACCGATTGGATGCCGATGGCGCGCAACTG
GGGCGCGAACTGGCACTCTCTGGCGTACCTCAGTGGGAAAAGGCTCTCGTTCAGG
GTGACCATCACGGATGGGCAGACTCTCGAGTTCACAAACGTGGTGCCGCCTGGCT
GGACGTTCCGGCGTCACGTTTGCAAGCAACTTGCAGTTCAAATGA

Nucleotide

>SvEXPA-05

GTACACAGAGAATCTAGACGCCCTGTCAGTCAAAGCAATTCATACCGATCAGGCT
TTAGATCGTCACCTCCTGCAATTTGTGGTTGTGGCACGCCCTAAAGCTTATTGCAA
ATCAACTTCTGGTATGGCTTCAGCTCGAGTTCTCGCAGTCGTGTTGCTCGCACTCG
GCTGGGCAATGGCAGTGGCCGCAGACGACGTCGCGACGACCAGCTCACCGTCGC
CGCCACCGGCTCCGGCGCCGATCGTGTGGCAGAGAGCCACGCGACGTTCTACGG

TGGAGCAGATGCCGCCGGGACCATGGGTAACTAGCAATACACGCTTCGATTGCC
ATTCATATATCTAAGCAGATCGCTGATGATGATGTGCGTTCATGGCAGGCGGGCG
TTGCGGGTATGGCAACCTCTACTCGCAGGGGTACGGCTCGCGCACGGCGGGCGCTG
AGCACGGTGCTCTTCGCTGACGGCGCGTCGTGCGGGCAGTGCTACAAGATCGCCT
GCGACCGGAAGACGAACCCGGCGTTGTGCAAGCCCGGCGTCACGGTCACGGTCA
CCGCCACCAACTTCTGCCCGCCCAACTGGGAGTTCCCCGACGGCGGGTGGTGCAA
CACGGTGCGCCCCCACTTCGACATGGCGCAGCCGGCCTGGGAGAAGATCGGCGC
CGACACCAGAGTCGGCATCATCCCCGTCATCTACCAAAGGTCTTTATCATTCTTT
GCAGCTTAAGTAACTCAATTAGCCTTGTCTCTCTCAAGCAAGAACTGCCGTCGA
CAAATGCAACAAATAACTTAAATATGAAAACCTGTTGTGGATGCAGAGTTCATG
CGTGAGGAGGGGTGGAGTGAGGTTACGATCAACGGGCACGACTACTTCAACCT
TGTTCTGGTGGCCAATGTCGCAGCGGCCGGCTCCATCAAATCCATGGATGTCAAG
ACCTCCGACTCGACCGATTGGATGCCGATGGCGCGCAACTGGGGCGCGAACTGG
CACTCTCTGGCGTACCTCAGTGGGAAAAGGCTCTCGTTCAGGGTGACCATCACGG
ATGGGCAGACTCTCGAGTTCACAAACGTGGTGCCGCCTGGCTGGACGTTTCGGCGT
CACGTTTGCAAGCAACTTGCAAGTTCAAATGAGCACCTGCACCTCACTGGGTTGTT
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GGTGTTAATAAGTTGCTCATGTTGCACACTACTCCCTTGCATATCACACTACCAAT
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