

IDENTIFICATION

Species: *Setaria viridis*

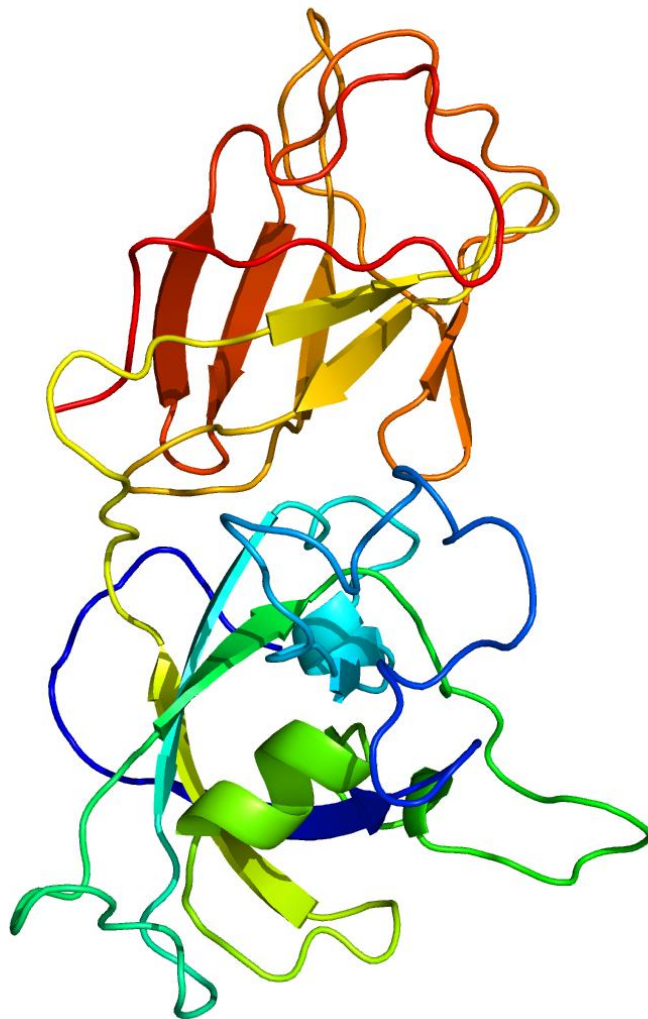
Locus: Sevir.1G010400

Gene Model: Sevir.1G010400.1.p

Description: SvEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

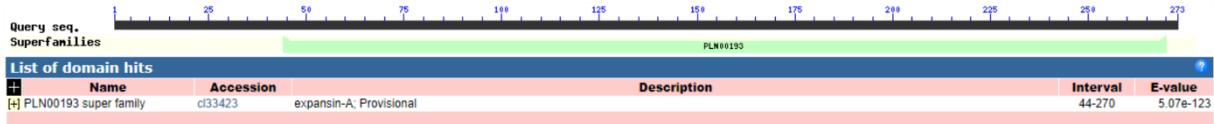
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-04

MAPARAFVLLLIAGCWA WATSAAADGVATNSSPPSSAPAPVWVERAHATFYGGA
DASDTMGGACGYGNLYAQGYGTRTAALSTVLFNDGASCGQCYKIACDRKTDPTWC
RPGVTVTVTATNFCPPNWEYPDGGWCNTVRPHFDMAQPAWEKIGTDYRAGIIPVIYQ
RVPCMKRGGVRFTHYGHDFNLVLVTNVAGAGSIRSMDVRSDDSTEWMPMARNWG
ANWHSLVYLSGKRLSFRVTITDGQTLAFANVVPAGWAFGLTLASNLQFKS*

CDS (coding sequence)

>SvEXPA-04

ATGGCTCCGGCTCGAGCTTTCGCAGTTCTGTTGCTCATAGCCGGCTGCTGGGCCTG
GGCGACGTCCGCGGCGGCGGATGGAGTCGCGACGAACTCATCACCACCGTCGTC
CGCTCCGGCGCCGGTCGTGTGGGAGAGGGCGCACGCGACGTTCTACGGCGGAGC
TGATGCCTCCGACACCATGGGTGGCGCGTGCGGGTACGGGAACCTGTACGCGCA
GGGGTACGGCACGCGCACGGCGGCGCTGAGCACGGTGCTCTTCAACGACGGCGC
GTCGTGCGGGCAGTGCTACAAGATCGCGTGCGACCGCAAGACGGACCCGACGTG
GTGCAGGCCCGGCGTACGGTCACCGTCACCGCCACCAACTTCTGCCCGCCCAAC
TGGGAGTACCCCGATGGCGGGTGGTGCAACACGGTGCGCCCCACTTTGACATGG
CCCAGCCGGCGTGGAAGAATCGGCACCGACTACCGCGCCGGCATCATCCCCG
TCATCTACCAAAGAGTCCCGTGCATGAAGCGAGGTGGGGTGCGGTTACCATCTA
CGGGCACGACTATTTCAACCTCGTACTCGTGACCAACGTCGCAGGAGCTGGCTCC
ATCAGATCCATGGATGTGAGGAGCTCCGATTCGACCGAGTGGATGCCGATGGCGC
GCAACTGGGGCGCGAACTGGCACTCCCTGGTGTATCTCAGTGGGAAGAGGCTCTC
GTTCAGGGTGACCATCACGGATGGACAGACACTGGCGTTTGCAAATGTGGTGCCG
GCGGGCTGGGCGTTCGGCTTGACATTGGCAAGCAATTTGCAGTTCAAGTCATGA

Nucleotide

>SvEXPA-04

ATGGCTCCGGCTCGAGCTTTCGCAGTTCTGTTGCTCATAGCCGGCTGCTGGGCCTG
GGCGACGTCCGCGGCGGCGGATGGAGTCGCGACGAACTCATCACCACCGTCGTC
CGCTCCGGCGCCGGTCGTGTGGGAGAGGGCGCACGCGACGTTCTACGGCGGAGC
TGATGCCTCCGACACCATGGGTGGCGCGTGCGGGTACGGGAACCTGTACGCGCA
GGGGTACGGCACGCGCACGGCGGCGCTGAGCACGGTGCTCTTCAACGACGGCGC

GTCGTGCGGGCAGTGCTACAAGATCGCGTGCGACCGCAAGACGGACCCGACGTG
GTGCAGGCCCGGCGTACGGTCACCGTCACCGCCACCAACTTCTGCCCGCCCAAC
TGGGAGTACCCCGATGGCGGGTGGTGCAACACGGTGCGCCCCACTTTGACATGG
CCCAGCCGGCGTGGGAGAAGATCGGCACCGACTACCGCGCCGGCATCATCCCCG
TCATCTACCAAAGGTACACGCCGATTCTTAACATGCCTTTTCCTTCTCTACTAGTC
ACTTAACCGATACTGAAGTATCTTATTTTTTCCAAATGGAACTTGTTGTGCGTCC
ATGCAGAGTCCCGTGCATGAAGCGAGGTGGGGTGCGGTTCACCATCTACGGGCA
CGACTATTTCAACCTCGTACTCGTGACCAACGTCGCAGGAGCTGGCTCCATCAGA
TCCATGGATGTGAGGAGCTCCGATTCGACCGAGTGGATGCCGATGGCGCGCAACT
GGGGCGCGAACTGGCACTCCCTGGTGTATCTCAGTGGGAAGAGGCTCTCGTTCAG
GGTGACCATCACGGATGGACAGACACTGGCGTTTGCAAATGTGGTGCCGGCGGG
CTGGGCGTTCGGCTTGACATTGGCAAGCAATTTGCAGTTCAAGTCATGATGATTG
ATGAGGACTTCGCTGGATGTGGCTCTCGCTTGAACAATTCATCGCCGGCAACCT
GATTTAGGAATTGTTGAATTGGACTAATTAAGCCGCTGCTCGTTCTGTGTAATAT
AATGATCGAATGCACTACTTGTATATAGATAATATTGTACAG