

IDENTIFICATION

Species: *Setaria viridis*

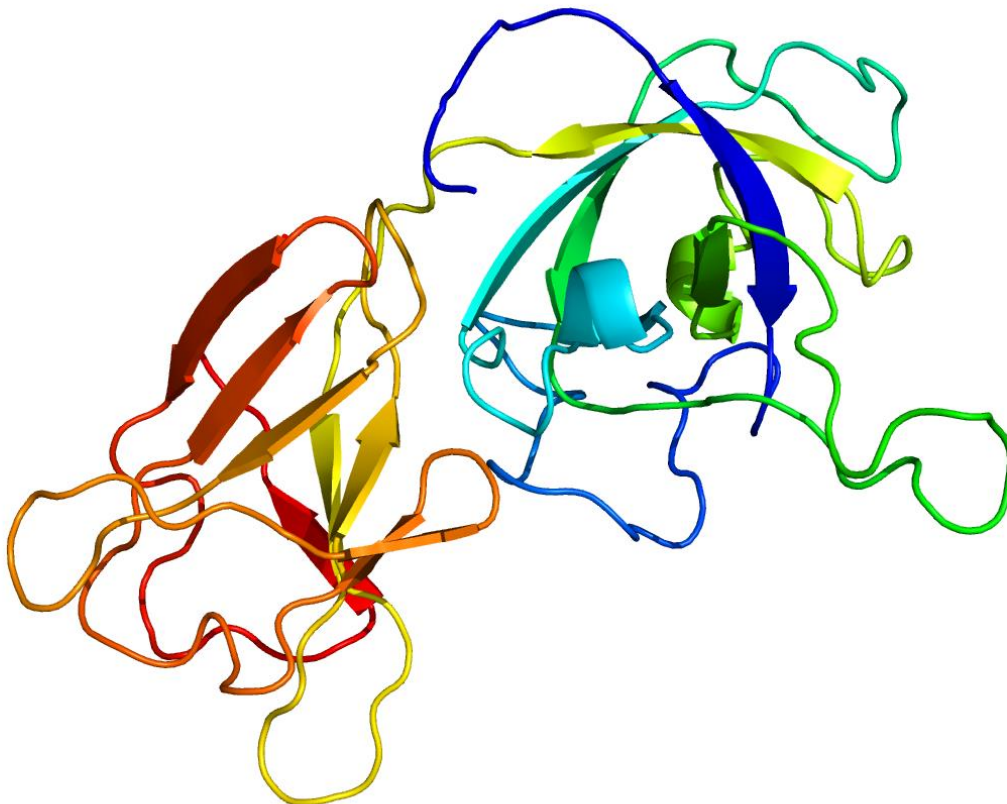
Locus: Sevir.7G014200

Gene Model: Sevir.7G014200.1.p

Description: SvEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

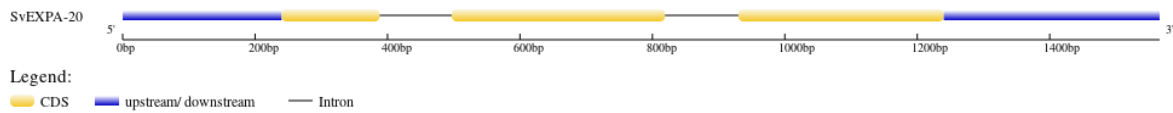
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

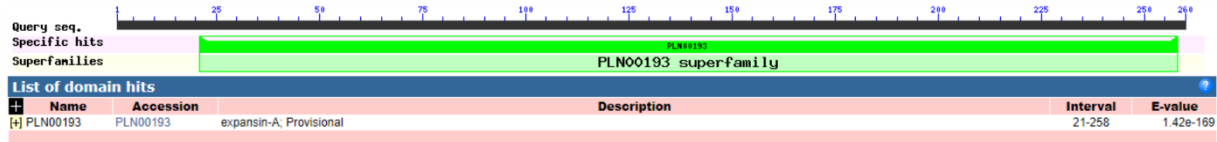
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-20

MEATGSFTRVIALLAASLLWKEAACFSASGLNKAFATFYGGSDASGTMGGACGYG
NLYSTGYGTNTAALSTALFNDGASCGQCYRITCDYQADPRFCIIGTSVTITATNLCP
PNYALPNDNGGWCNPPRQHFDMAEPAWLKIGIYRGGIVPVIYQVRVPCVKQGGVRFT
INGRDYFELVLISNVGGCGSIQSVSIKGSRTGWMAMSRNWGVNWQSNAYLNGQSLSF
QLTSSDGQTKTFLNVAPANWGFQTFATSQQFS*

CDS (coding sequence)

>SvEXPA-20

ATGGAGGCAACTGGCTCATTCCTCGCGTTATCGCGTTGCTCGCGGCGGCAAGTC
TCCTTTGGAAGGAAGCCGCGTGCTTCTCGGCGTCCGGCTTGAACAAGGCCTTCGC
CACTTTCTATGGCGGTAGCGACGCCTCAGGAACAATGGGAGGCGCTTGCGGGTAC
GGGAACCTTTACTCGACGGGGTACGGCACGAACACAGCAGCGCTGAGTACGGCG
CTGTTCAACGACGGCGCCTCGTGCGGGCAGTGCTACCGGATCACGTGCGACTACC
AGGCGGACCCGCGGTTCTGCATAATTGGCACGTCGGTGACCATCACGGCCACCAA
CTTGTGCCACCCAACACTACGCCCTGCCGAACGACAACGGCGGCTGGTGCAACCCG
CCCCGCCAACACTTCGACATGGCCGAGCCCGCCTGGCTCAAGATCGGCATCTATC
GCGGCGGCATCGTGCCGGTGATCTACCAAAGGGTGCCATGTGTGAAGCAAGGCG
GGGTCAGGTTACCCATCAACGGCCGCGACTACTTCGAGCTGGTGCTGATCTCCAA
CGTCGGCGGCTGCGGGTCCATCCAGTCGGTGTCGATCAAGGGCTCGCGGACCGGG
TGATGGCCATGTCGAGAACTGGGGCGTCAACTGGCAGTCCAACGCATACCTCA
ACGGGCAGAGCCTGTCGTTCCAGCTCACCAGCAGCGACGGCCAGACCAAGACCT
TCCTCAACGTTGCCCGGCCAACTGGGGGTTCCGGGCAGACGTTTGCAACCTCGCA
ACAGTTCTCTTAG

Nucleotide

>SvEXPA-20

TAATGTAGTGACTGATTGCTAGCTCGTGTCGCTGTCATCTCCCGGATAGCTAGCA
GACCTGCATGCGCGCCACATGCACGCACGGCTTCTGCCGGTAGAGACTGCATGC
GTACATGCCGTCTGATCCAATCCAGAAACGCCAGAGTCCTGATGACCCGATCCCT
ACTTAAACGACGATGCCTCCTCAGACGTTTGGCCATTAGCTAGCGTTGTTCATCG

ATCTCAGCTCCCTCACTGCCATGGAGGCAACTGGCTCATTCACTCGCGTTATCGCG
TTGCTCGCGGCGGCAAGTCTCCTTTGGAAGGAAGCCGCGTGCTTCTCGGCGTCCG
GCTTGAACAAGGCCTTCGCCACTTTCTATGGCGGTAGCGACGCCTCAGGAACAAT
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CAAAGGATCGGAACTGATGCTGACGCATGAACCTACCATGTCCGCGTATATGCAG
GAGGCGCTTGCGGGTACGGGAACCTTTACTCGACGGGGTACGGCACGAACACAG
CAGCGCTGAGTACGGCGCTGTTCAACGACGGCGCCTCGTGCGGGCAGTGCTACCG
GATCACGTGCGACTACCAGGCGGACCCGCGGTTCTGCATAATTGGCACGTCCGGTG
ACCATCACGGCCACCAACTTGTGCCACCCAACACTACGCCCTGCCGAACGACAACG
GCGGCTGGTGCAACCCGCCCGCCAACACTTCGACATGGCCGAGCCCGCCTGGCT
CAAGATCGGCATCTATCGCGGCGGCATCGTGCCGGTGATCTACCAAAGGTATGCA
CATCTGATAACGAAATCCCGAGCGATTTCCACTCGAAGTTTGATGATTTAGCGAT
GGTCGAATGTTGGTGATCTCAGACGCGGATGACCTACGTACGTGTGCAGGGTGCC
ATGTGTGAAGCAAGGCGGGGTCAGGTTACCATCAACGGCCGCGACTACTTCGA
GCTGGTGCTGATCTCCAACGTCGGCGGCTGCGGGTCCATCCAGTCGGTGTCGATC
AAGGGCTCGCGGACCGGGTGGATGGCCATGTTCGAGAACTGGGGCGTCAACTGG
CAGTCCAACGCATACCTCAACGGGCAGAGCCTGTTCGTTCCAGCTCACCAGCAGCG
ACGGCCAGACCAAGACCTTCCTCAACGTTGCCCGGCCAACTGGGGGTTTCGGGCA
GACGTTTGCAACCTCGCAACAGTTCTCTTAGGGTGTGTTTGATTTTATGCGCCATT
TGATACATGCATGGATGATCCTGTATGGTGAGATTCAACATATTTGCTTGTACTAT
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TGTGTGTCTCGATCAATACCGTGTAAGGTTTCCTTCCTTCCACATATACTACTAC
CGCCCCTTGGCCGATCGAGGA