

IDENTIFICATION

Species: *Setaria viridis*

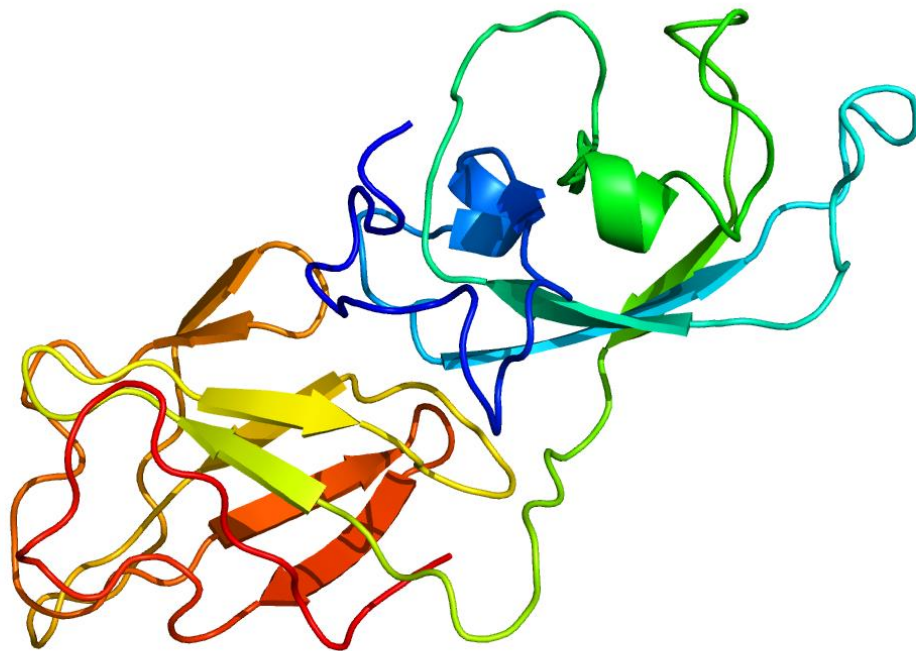
Locus: Sevir.1G008400

Gene Model: Sevir.1G008400.2.p

Description: SvEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

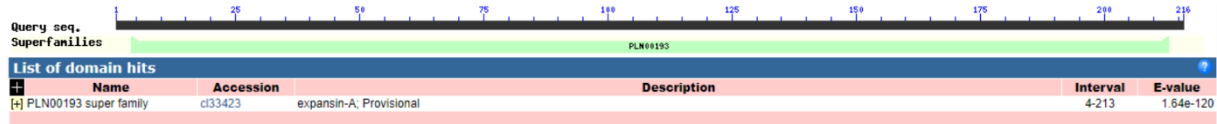
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-03

MHAGGACGYGNLYAQQYGTRTTALSTALFGDGASCGQCYKLVCDRKTDRTWCKP
GVSVTVTATNFCPPNWSIPSDRGGWCNPPRPHFDMAQPAWEKIGVYRGGIIPVIYKR
VSCVKKGGVRFVAVNGHDYFNLVLTNVAGPGSIRAMDVRGSRSPDWMPMARNWG
ANWHSPTYLTGQGLSFRVTVDGQTIVFANVPPNWRFGQSFASNLQFKL*

CDS (coding sequence)

>SvEXPA-03

ATGCATGCAGGTGGCGCGTGCGGGTACGGGAACCTGTACGCGCAGGGCTACGGC
ACGCGGACGACGGCGCTGAGCACGGCGCTCTTCGGCGACGGCGCGTCTGCGGG
CAGTGCTACAAGCTGGTGTGCGACCGCAAGACGGACCGGACGTGGTGAAGCCC
GGGTGTCGGTCACCGTCACGGCCACCACTTCTGCCCCCAACTGGAGCATCC
CCAGCGACCGGGGCGGCTGGTGAACCCGCCCCGGCCCCACTTCGACATGGCGC
AGCCGGCGTGGGAGAAGATCGGCGTCTACCGCGGCGGCATCATCCCGGTGATCT
ACAAGCGGGTGTTCATGCGTGAAGAAGGGCGGGGTGCGCTTCGCCGTCAACGGGC
ACGACTACTTCAACCTCGTGCTCGTGACCAACGTCGCGGGCCCCGGGTCGATCAG
GGCCATGGACGTCAGGGGGTCGCGGTCGCCGGACTGGATGCCATGGCGCGCAA
CTGGGGAGCTAACTGGCACTCGCTGACCTACCTACCGGCCAGGGGCTGTCTGTT
AGGGTGACGGTCACCGACGGCCAGACCATCGTCTTCGCCAACGTCGTGCCGCCCA
ACTGGAGGTTCCGGCAGTCCTTCGCAAGCAACCTGCAGTTCAAGCTCTGA

Nucleotide

>SvEXPA-03

TCATTCACTTGGAACAAAACCACTCCCCGTCGTCTGCTGCAACAATCGTGTGAT
CGATCGTTAGGGAACAAGAAATGGCTGGAGCCTACGCCCGCGCGGCGTTCGTGCT
CGCGCTCGGCTGCGCGCTGGCGGCCGTGGCCGCCGAGGAGTGGCTCCGGGC
GCACGCCACGTTCTACGGCGGCGCCGACGCCTCCGGCACCATGGGTAAGCCTCAA
CCGCTTCTACAACCAGCAACACGCACGCACGCGACGTGTGTTAACTATCGATCG
TTGATGACGACTTGTGACCACACGGCATGCATGCAGGTGGCGCGTGGGGTACGG
GAACCTGTACGCGCAGGGCTACGGCACGCGGACGACGGCGCTGAGCACGGCGCT
CTTCGGCGACGGCGCGTCTGCGGGCAGTGCTACAAGCTGGTGTGCGACCGCAAG
ACGGACCGGACGTGGTGAAGCCCGGGGTGTCGGTACCGTACCGGCCACCAAC

TTCTGCCCCCCTAACTGGAGCATCCCCAGCGACCGGGGCGGCTGGTGCAACCCGC
CCCGGCCCACTTCGACATGGCGCAGCCGGCGTGGGAGAAGATCGGCGTCTACC
GCGGCGGCATCATCCCGGTGATCTACAAGCGGGTGTTCATGCGTGAAGAAGGGCG
GGGTGCGCTTCGCCGTCAACGGGCACGACTACTTCAACCTCGTGCTCGTGACCAA
CGTCGCGGGCCCCGGGTCGATCAGGGCCATGGACGTCAGGGGGTTCGCGGTCGCC
GGACTGGATGCCCATGGCGCGCAACTGGGGAGCTAACTGGCACTCGCTGACCTAC
CTCACCGGCCAGGGGCTGTCGTTTCAGGGTGACGGTCCACCGACGGCCAGACCATCG
TCTTCGCCAACGTCGTGCCGCCCAACTGGAGGTTTCGGGCAGTCCTTCGCAAGCAA
CCTGCAGTTCAAGCTCTGAGCATTATTGAGCAATGCGTGCTAGCTGCTTGATTTCT
GGGATCTCCAATTAAGTTGCTTGGTAGGATGCATGCTGCATATCTCGATTTGTTGG
AAGACCATGCCATTTCTATAGGAACTTGTTACCTGGTTCAAATTCGATCAAAAGA
GACTTGTTGATTCCCTTGCGCTTGTATGTGTGGTGTACATAAAGAGATTTAATGATT
TCATAAACTATGC