

IDENTIFICATION

Species: *Setaria viridis*

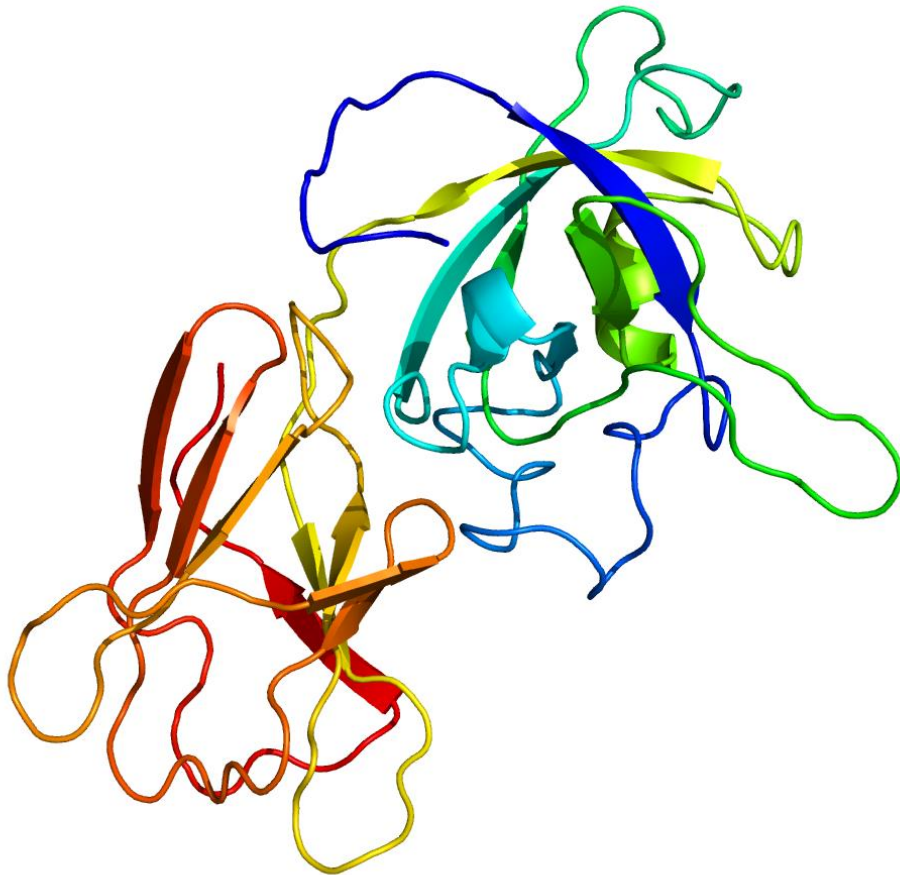
Locus: Sevir.9G242100

Gene Model: Sevir.9G242100.1.p

Description: SvEXPA-31

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

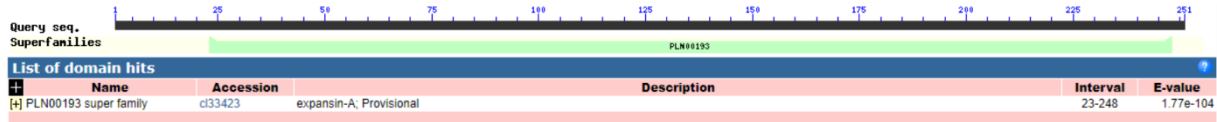
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-31

MAPRWLGMWGVLAACAAAGAAWSPGTATFYGGADGSGTMGGACGYDNLYNAG
YGINNAALSTVLFNDGASCGQCYTITCDGSRPGGQYCKPGNTVTVTATNLCPPNYAL
PNGGWCGPGRPHFDMSQPAWESIGVVQAGIVPVLVEQVKCSRSGGVRFISIAGSNYFL
LVNIQNLAGSGSVAAAWVKGDKTGWIQMSRNWGANWQALAGLVGQGLSFAVTST
GGQYIQFLNAAPAWWQFGQTYNTYQQFVY*

CDS (coding sequence)

>SvEXPA-31

ATGGCGCCGAGGTGGTTAGGTATGTGGGGTGTCTGGCAGCGTGCGCTGCGGCCG
GCGCCGCGGCGTGGTCACCGGGCACGGCGACCTTCTACGGCGGGGCGGACGGGT
CCGGGACGATGGGCGGCGCGTGCGGGTACGACAACCTGTACAACGCCGGGTACG
GCATCAACAACGCGGCGCTGAGCACGGTGCTGTTCAACGACGGCGCGTCTGCG
GGCAGTGCTACACCATCACGTGCGACGGCTCACGCCCCGGCGGCCAGTACTGCAA
GCCCCGGAACACCGTCACCGTCACGGCCACCAACCTGTGCCCGCCAAACTACGCG
CTGCCAACGCGGCTGGTGCGGCCCCGGGGCGCCCTCACTTCGACATGTCGCAGC
CGGCGTGGGAAAGCATCGGCGTCTCCAGGCCGGCATCGTCCCGGTCCTCTACGA
GCAGGTCAAGTGCTCGCGCAGCGGCGGCGTGCGGTTCAGCATCGCCGGCTCCAAC
TACTTCCTGCTCGTCAACATCCAGAACCTCGCCGGCAGCGGCTCCGTGGCAGCCG
CCTGGGTGAAGGGTGACAAGACGGGGTGGATCCAGATGTCCAGGAACTGGGGCG
CCAACCTGGCAGGCGCTCGCCGGGCTCGTCCGGCCAGGGGCTCAGCTTCGCCGTGAC
CAGTACCGGCGGGCAGTACATCCAGTTCCTGAACGCAGCGCCGGCGTGGTGGCA
GTTCGGCCAGACCTACAACACATACCAGCAGTTCGTCTACTGA

Nucleotide

>SvEXPA-31

CATCGATTGACACCGACATTATCGCTGCTGATCTGATCTTCTCCTACTCGACAAGT
TTCAGCTCCAAGCTCCCTTAATCTCCTGCCTGCCTCTACTTCCTCCTCCTATTTAAG
CACTAGTATAACCTGCAGGCAGATCAGCCACCAAGGTCGCAGCTTGCAGCAAAG
CACACGACAAGATAATCCATTCTTTTCTGATTACTACGAGGTACGTGCTCGTATA
GCCTCGTACTCGTAGCAAGGTTCGAATCATGGCGCCGAGGTGGTTAGGTATGTGG
GGTGTCTTGGCAGCGTGCCTGCGGCCGGCGCCGCGGCGTGGTCCACCGGGCACG

GCGACCTTCTACGGCGGGGCCGACGGGTCCGGGACGATGGGCGGCGCGTGCGGG
TACGACAACCTGTACAACGCCGGGTACGGCATCAACAACGCGGCGCTGAGCACG
GTGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACACCATCACGTGCGACG
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CACCAACCTGTGCCCCGCCAAACTACGCGCTGCCCAACGGCGGCTGGTGCGGGCCCG
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CTCGCCGGCAGCGGCTCCGTGGCAGCCGCCTGGGTGAAGGGTGACAAGACGGGG
TGGATCCAGATGTCCAGGAACTGGGGCGCCAACTGGCAGGCGCTCGCCGGGCTC
GTCGGCCAGGGGCTCAGCTTCGCCGTGACCAGTACCGGCGGGCAGTACATCCAGT
TCCTGAACGCAGCGCCGGCGTGGTGGCAGTTCGGCCAGACCTACAACACATACCA
GCAGTTCGTCTACTGATCCATCGATCGATCGATCAGAGCAGAATTTTGTAAATATG
TTTCTTGCTTAATTGTGCCTTCTCGTGTGTCTCTGTCTGCGTGGCGGAGTGCCTAC
GTGTACGCCATCAAAGATATCTACTACTGTAATTAAGTCTGTAACCGAATCAA
CTCCTCAACAAACAAACCCTTCAACTAAGGTGAGTCCACCCAAGATCCCGTAAAC
GAAAC