

IDENTIFICATION

Species: *Setaria viridis*

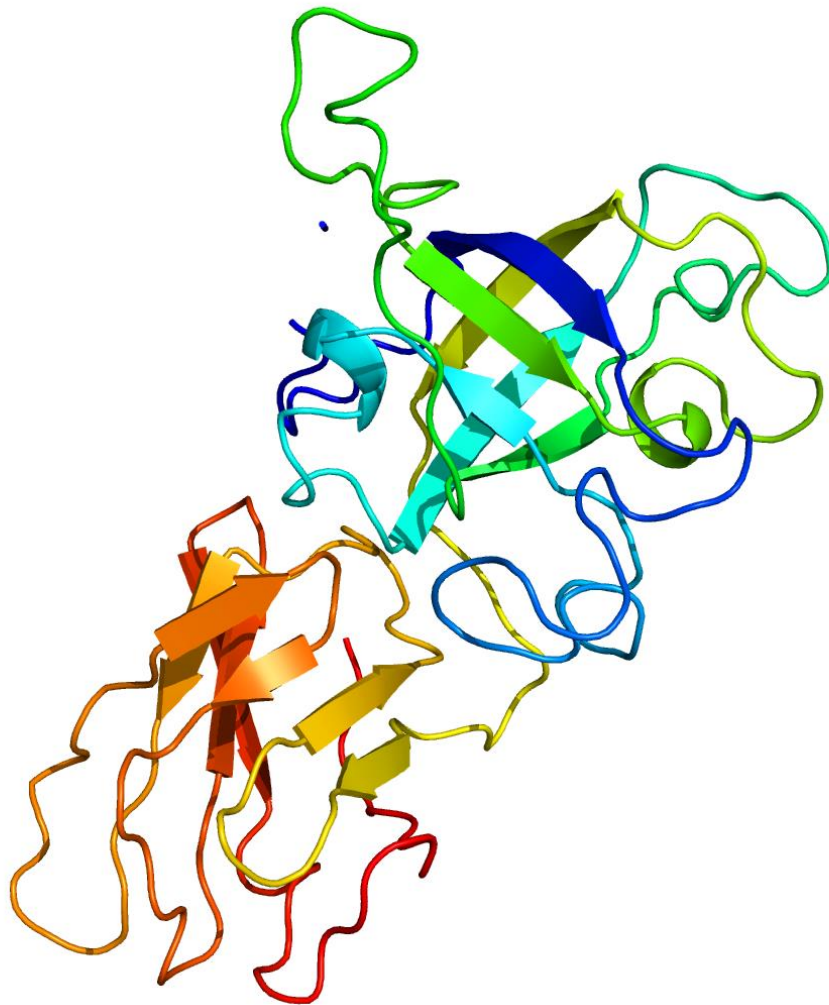
Locus: Sevir.1G008100

Gene Model: Sevir.1G008100.1.p

Description: SvEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

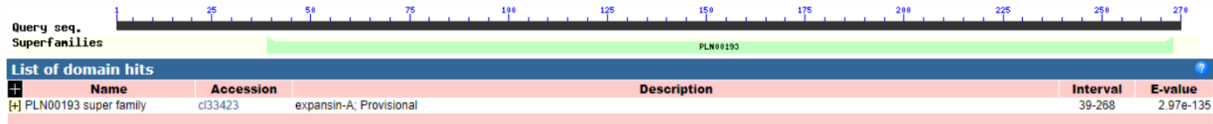
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-01

MAPAPVLAVVLLAVAWLSAAAAADGAATSTSSSPAPVGGWLKAHATFYGGADASG
TMGGACGYGNLYSQGYGTRTAALSTALFNDGASCGQCYKIACDRKRANPMFCKPG
VTVTVTATNFCPPNYGLPSDNGGWCNPPRPHFDMAQPAWEKIGVYSGGIIPVMYRR
VPCLKRGGVRFTHINGHDYFNLVLVANVAAGSIKSMDVKSSSSDNWIPMARNWGAN
WHSLAYLTGQMLSFRVTDTDGQTLFTNVVPKGWKFGQTFASKIQFK*

CDS (coding sequence)

>SvEXPA-01

ATGGCTCCAGCTCCAGTTCCTTGCAGTCGTGTTGCTCGCAGTCGCTTGGCTGTCGGC
CGCGGCCGCTGCTGATGGCGCTGCCACCAGCACTTCATCGTCTCCGGCGCCGGTC
GGAGGATGGCTGAAGGCGCATGCCACGTTCTACGGCGGCGCTGACGCCTCCGGC
ACCATGGGAGGGGCGTGCAGGGTACGGGAACCTGTACTCGCAGGGCTACGGCACG
CGCACGGCGGCGCTAAGCACGGCGCTCTTCAACGATGGCGCGTTCGTGCGGGCAG
TGCTACAAGATCGCCTGCGACCGCAAGAGGGCGAACCCGATGTTCTGCAAGCCC
GGCGTCACGGTCACCGTCACCGCCACCAACTTCTGCCCGCCAACTACGGGCTGC
CCAGCGACAACGGCGGCTGGTGCAACCCGCCGCGGCCGCACTTCGACATGGCGC
AGCCGGCCTGGGAGAAGATCGGCGTCTACAGCGGAGGCATCATCCCCGTCATGT
ACAGAAGAGTTCCTTGCCCTGAAGCGAGGTGGAGTGCGGTTACGATCAACGGGC
ACGACTACTTCAACCTTGTGCTTGTGGCCAATGTGGCAGCTGCCGGCTCCATCAA
GTCCATGGACGTCAAGAGCTCCAGTTCGGATAATTGGATAACCAATGGCGCGCAAC
TGGGGAGCGAACTGGCACTCTCTTGCGTACCTTACTGGGCAAATGCTCTCGTTTA
GAGTACCGACACTGATGGGCAGACACTTGAATTCACAAACGTGGTGCCAAAAG
GATGGAAATTTGGCCAAACATTCGCGAGCAAGATACAGTTCAAGTGA

Nucleotide

>SvEXPA-01

CGGCTTGCTTCATTCGGTGCCCTTGATTTTTTTTAAACCAATCCTCTAGCTCTAGCCA
CCAACGTCCAATGACCAATCCATTCCTGATTGCCAAGGATCAGGCCGTGTATATA
TACGTACCAAATCATCGCACAAATCATCACATCAGAATCCATCGATCCTTGGTTC
CATAATCCAAACAAAGCACAGTTCTCTTGCACTGTGCAGCAAATCTTAGCTTTG
AGAGATATAGCTTCCTTCCGTCCGGTTCTATTCCACGATCGAGCCATGGCTCCAGC

TCCAGTTCTTGCAGTCGTGTTGCTCGCAGTCGCTTGGCTGTTCGGCCGCGGCCGCTG
CTGATGGCGCTGCCACCAGCACTTCATCGTCTCCGGCGCCGGTTCGGAGGATGGCT
GAAGGCGCATGCCACGTTCTACGGCGGCGCTGACGCCTCCGGCACCATGGGTAA
GTATAGCCTTTCTCTATGCCATGACGCAAACCTGCAGTTACTGCACACCCTAGCTA
AGAGGCAGATCGAGTGATTAATGCTATGTACCTTGATGTCCACATCATTGTATTT
GCAGGAGGGGCGTGCGGGTACGGGAACCTGTACTCGCAGGGCTACGGCACGCGC
ACGGCGGCGCTAAGCACGGCGCTCTTCAACGATGGCGCGTCGTGCGGGCAGTGCT
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TCACGGTCACCGTCACCGCCACCAACTTCTGCCCGCCAACTACGGGCTGCCCAG
CGACAACGGCGGCTGGTGCAACCCGCCGCGGCCGCACTTCGACATGGCGCAGCC
GGCCTGGGAGAAGATCGGCGTCTACAGCGGAGGCATCATCCCCGTCATGTACAG
AAGGTGTGAAGATAATAGGATTTTTTCTTTAATTTTCATATCTACATTATTCTCTCA
AGTAAGAATTTTCCAACAAAATATCACTGTTGCTGGAAGCATATAAATTAATTA
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GGCTCCATCAAGTCCATGGACGTCAAGAGCTCCAGTTCGGATAATTGGATACCAA
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GCTCTCGTTTAGAGTCACCGACACTGATGGGCAGACACTTGAATTCACAAACGTG
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ATAAGAAACAGCTATATGCACTGGTTGA