

IDENTIFICATION

Species: *Setaria viridis*

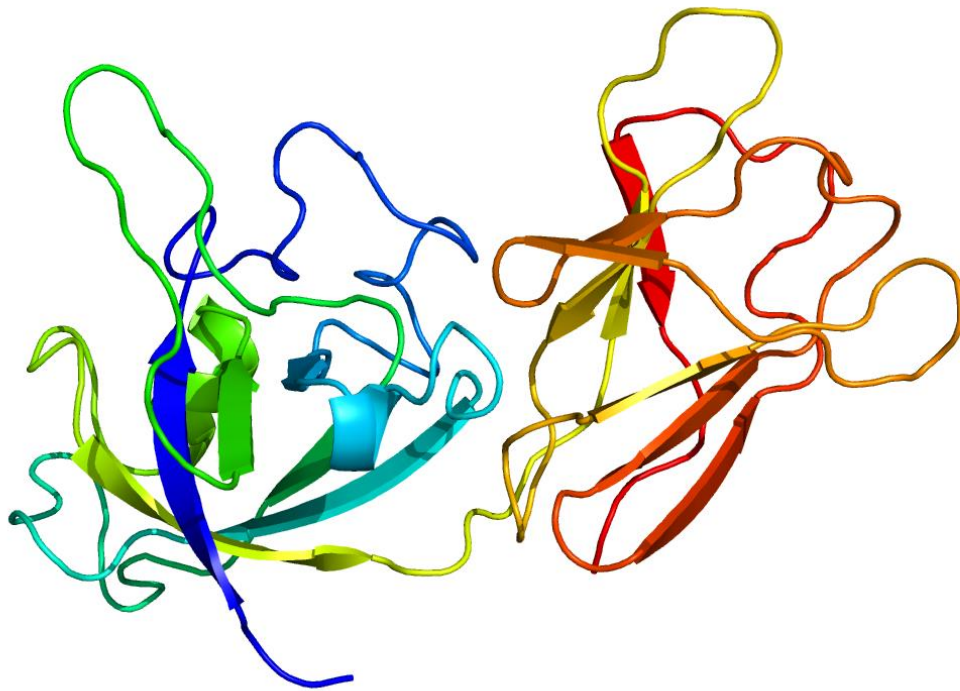
Locus: Sevir.9G242000

Gene Model: Sevir.9G242000.1.p

Description: SvEXPA-30

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

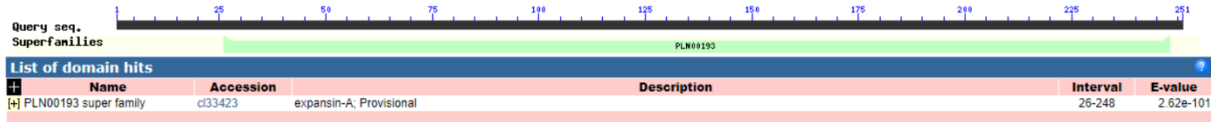
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-30

MAKSLILCTVLLAACLALAAAQSPGTATFYGGADGWGTMGGACGYGNLYDAGY
GVLNAALSQTLFNDGASCGQCYTITCDGSRPGGQYCKPGNSITVTATNLCPANYALP
NGGWCGPGRPHFDMSQPAWENIGIYQAGVIPVLYQQVKCSRNGGVRFSIAGCNYFLL
VNIQNLGGSGSVGA AWIKGDNTGWIQMSRNWGANWQALAGLVGQGLSFAVTTTG
GQYIQFLNVAPAWWQFGQTYTTYQNFYY*

CDS (coding sequence)

>SvEXPA-30

ATGGCCAAGTCCCTGATCTTATGCACGGTCCTCCTTGCTGCGTGCCTCGCGCTCGC
CGCAGCCCAGGGCTCTCCGGGCACCGCCACGTTCTACGGTGGAGCCGACGGCTGG
GGCACCATGGGTGGCGCCTGCGGGTACGGCAACCTGTACGACGCCGGGTACGGC
GTGCTCAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGCGTCTGCGGG
CAGTGCTACACCATCACGTGCGACGGATCACGCCCCGGCGGACAGTACTGCAAG
CCC GGCAACAGCATCACCGTCACGGCCACCAACCTGTGCCCGGCCAACTACGCC
TGCCCAACGGCGGCTGGTGC GGCCCCGGGGCGCCCTCACTTCGACATGTCGCAGCC
GGCGTGGGAGAACATCGGAATCTACCAGGCCGGCGTCATCCCAGTCCTGTACCAG
CAGGTCAAGTGCTCACGCAACGGCGGCGTGCGCTTCAGCATCGCCGGATGCAACT
ACTTCTGCTCGTCAACATCCAGAACCTCGGCGGAAGCGGCTCCGTGGGGCGCCGC
CTGGATCAAGGGAGACAACACCGGGTGGATCCAGATGTCCAGGAACTGGGGCGC
CAACTGGCAGGGCGCTGGCCGGGCTCGTCGGCCAGGGGCTCAGCTTCGCCGTGACC
ACCACCGGCGGGCAGTACATCCAGTTTCTCAACGTGGCGCCGGCGTGGTGGCAGT
TCGGCCAGACCTACACCACCTACCAGAACTTCTACTACTAA

Nucleotide

>SvEXPA-30

GGCCACACCTCGTCCTCACGAACGCACCTTCACTTCCATCTCGTTCCTGCAGCTA
CCCTCTGCATTGGTGTCCGTGGATATGGCCAAGTCCCTGATCTTATGCACGGTCTC
CCTTGCTGCGTGCCTCGCGCTCGCCGACGCCAGGGCTCTCCGGGCACCGCCACG
TTCTACGGTGGAGCCGACGGCTGGGGCACCATGGGTAAGCCTGCAAGCCTTGCAC
AGTTACTTTCGGTAGAAGAGCTACAATGCCTCACGAATTTTGCTAGCTGCGCGC
GTACTAATAGATTGGTATATACGCAGGTGGCGCCTGCGGGTACGGCAACCTGTAC

GACGCCGGGTACGGCGTGCTCAACGCGGGCGCTGAGCCAGACGCTGTTCAACGAC
GGCGCGTCGTGCGGGCAGTGCTACACCATCACGTGCGACGGATCACGCCCCGGC
GGACAGTACTGCAAGCCCGGCAACAGCATCACCGTCACGGCCACCAACCTGTGC
CCGGCCAACTACGCCCTGCCAACGGCGGGCTGGTGGCGGCCCGGGGCGCCCTCACT
TCGACATGTGCGCAGCCGGCGTGGGAGAACATCGGAATCTACCAGGCCGGCGTCA
TCCCAGTCCTGTACCAGCAGGTCAAGTGCTCACGCAACGGCGGGCGTGCGCTTCAG
CATCGCCGGATGCAACTACTTCCTGCTCGTCAACATCCAGAACCTCGGCGGAAGC
GGCTCCGTGGGCGCCGCCTGGATCAAGGGAGACAACACCGGGTGGATCCAGATG
TCCAGGAACTGGGGCGCCAACTGGCAGGGCGCTGGCCGGGCTCGTCGGCCAGGGG
CTCAGCTTCGCCGTGACCACCACCGGCGGGCAGTACATCCAGTTTCTCAACGTGG
CGCCGGCGTGGTGGCAGTTCGGCCAGACCTACACCACCTACCAGAACTTCTACTA
CTAAAACCTTGCGATTTCTTGCGGTTGGGTAAGATGGCAAGTGCGTCCTCGTAATTT
TGCCGGAGTGGGTGCACTTGGCGGCCGTCTGACCGTGGCATCTCTCCTATGTGAT
GCTCAGACAAAGCAAGAAGGGAGGCCCGAGGCCACATGTACCTATGGCCTGCAT
TTGTTTTCAACCTGTAGATACAAAAGCACATTATGTTTCCCGATTACATGTACTION
ACATATTTTCATTAAGAGAAAACAGAGTTTTTATA