

IDENTIFICATION

Species: *Setaria viridis*

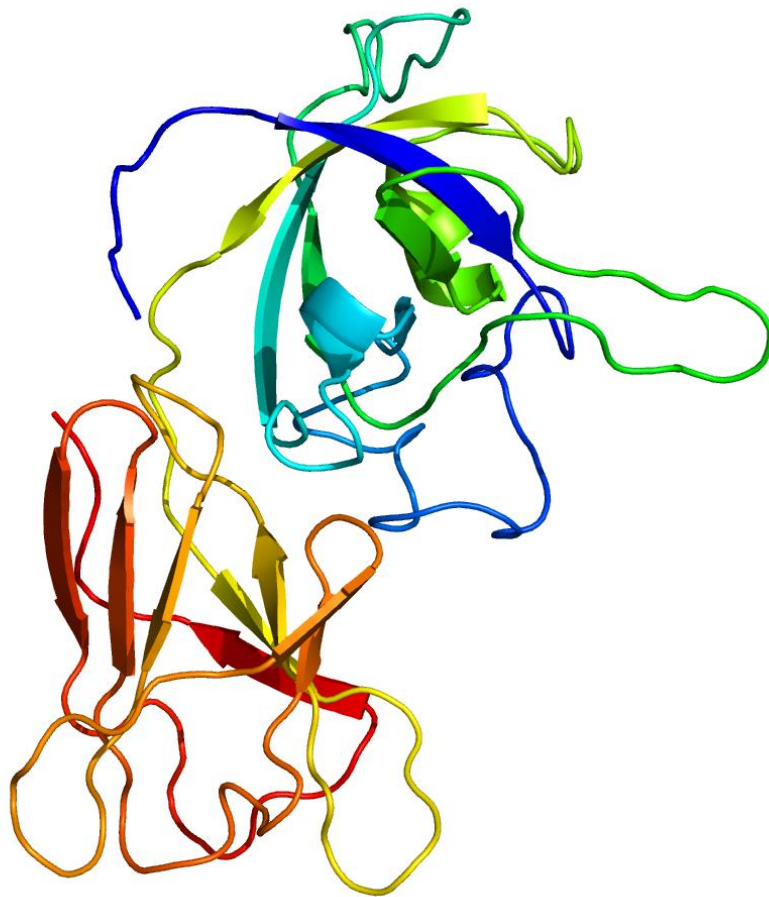
Locus: Sevir.9G241500

Gene Model: Sevir.9G241500.1.p

Description: SvEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

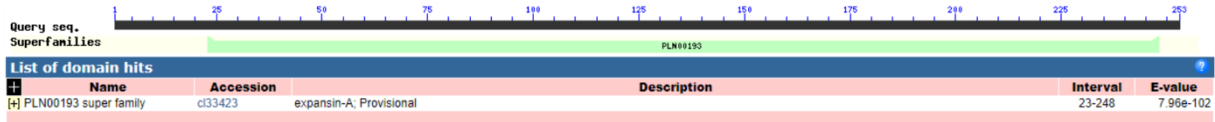
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-25

MDMAKSLILCTALAACTLAAAGWSQGTATFYGGPDGSDTMGGACGYDNLNAG
YGVLNAALSQTLFNDGASCGQCYLITCDGSRQGGQYCKPGTSITVSATNLCPPNYAL
PNGGWCGPGRPHFDMSQPAFENIGIAQAGIIPVQYQRVQCKRSGGVRFISIAGSNYFLL
VNIQNLGGSGSVGAAWVKGEKTGWIQMSRNWGANWQALAGLVNQGLSFAVTSTG
GQYIQFLNVAPGWWQFGQTFTNNYQNFAY*

CDS (coding sequence)

>SvEXPA-25

ATGGATATGGCCAAGTCCCTGATTCTGTGCACAGCGCTCGCGGCGTGCCTCACGC
TCGCCGCCGCCGGCTGGTCTCAAGGCACCGCCACGTTCTACGGCGGACCCGACGG
CTCCGACACCATGGGTGGCGCGTGCGGGTACGACAACCTGTACAACGCCGGGTA
CGGCGTGCTCAACGCGGCGCTCAGCCAGACGCTGTTCAACGACGGCGCGTTCGTGC
GGGCAGTGCTACCTCATCACCTGCGACGGGTACGCCAGGGCGGCCAGTACTGCA
AGCCCGGCACGTCGATTACGGTCTCGGCCACCAACCTGTGCCCCGCCAACTACGC
GCTCCCCAACGGCGGCTGGTGCGGCCCCGGGCCGCCCCACTTCGACATGTCGCAG
CCGGCGTTTGAGAACATCGGCATCGCCAGGCCGGCATCATCCCTGTCCAGTACC
AGCGGGTCCAGTGCAAGCGCAGCGGCGGCGTGCCTTCAGCATCGCCGGCTCAA
ACTACTTCTTACTCGTCAACATCCAGAACCTCGGCGGCAGCGGTTCCGTGGGAGC
CGCCTGGGTCAAGGGCGAGAAGACGGGGTGGATCCAGATGTCCAGGAACTGGGG
CGCCAACTGGCAGGCGCTCGCCGGGCTTGTC AACCAGGGGCTCAGCTTCGCCGTC
ACCAGCACTGGCGGGCAGTACATTCAGTTCCTCAACGTCGCGCCAGGGTGGTGGC
AGTTCGGCCAGACCTTCACCAACA ACTACCAGAATTTTCGCCTACTGA

Nucleotide

>SvEXPA-25

GCTCAGAAACAGTTAGCCTCCTCGTCTGCTCCGTTTCCATCTCGTTCATTCTCTGC
AGCTAACTCTGCATTGGCGTCCATGGATATGGCCAAGTCCCTGATTCTGTGCACA
GCGCTCGCGGCGTGCCTCACGCTCGCCGCCCGGCTGGTCTCAAGGCACCGCCA
CGTTCTACGGCGGACCCGACGGCTCCGACACCATGGGTAAGCTTCCATGCATCGC
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TGACCATGAAGGAGAGCCCCTGGCCGACGAGCGCCGAGCT