

IDENTIFICATION

Species: *Setaria viridis*

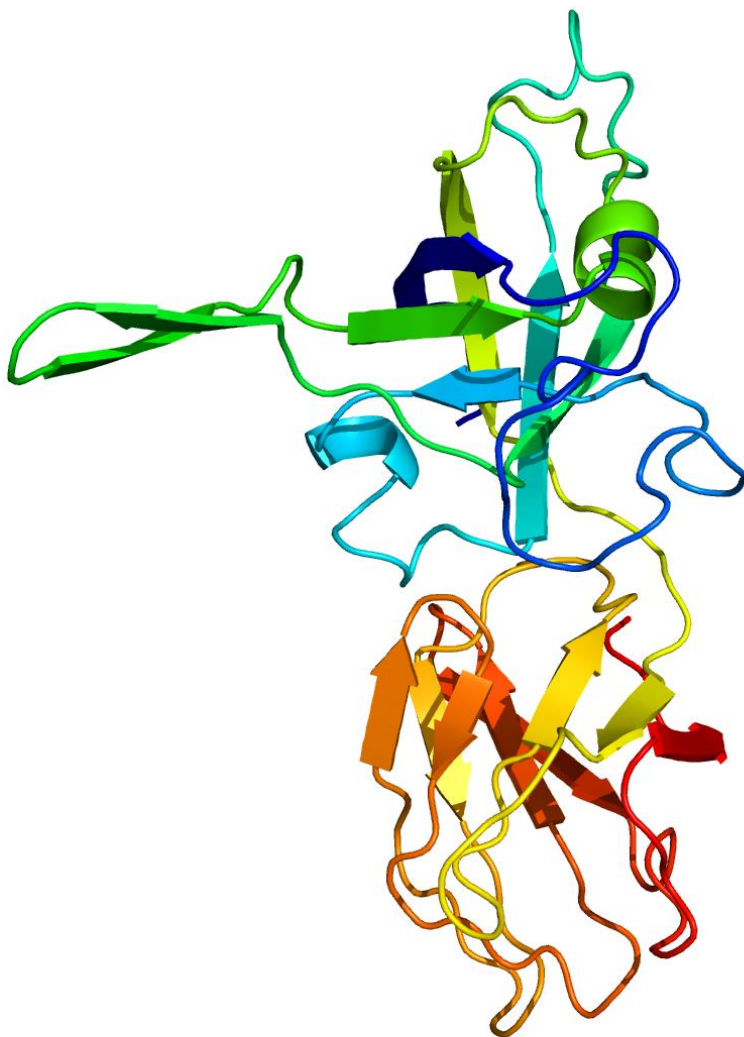
Locus: Sevir.9G540000

Gene Model: Sevir.9G540000.1.p

Description: SvEXPA-35

Family: Alpha Expansin

3D structure:



GENOME DATABASES

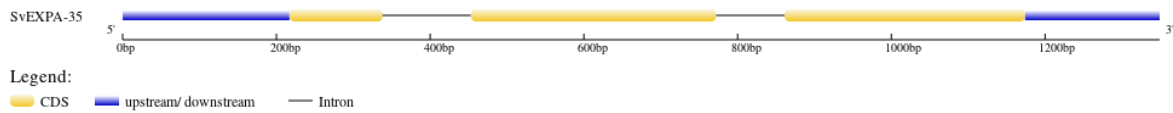
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

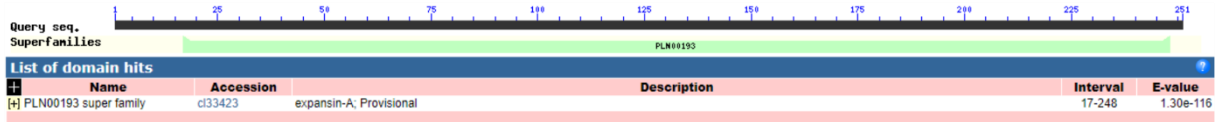
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-35

MDRVLTLFIAVLTATFFAPAKGWNYGTATFYGGPDASGTMGGACGYGNLYQAGYG
TNTAALSSVLFNDGAACGQCYLIMCDSNASPWCKGGAAVTVTATNFCPPNWAQPSN
RGGWCNPPRPHFDMAQPAWERIGVYKAGIIPVLYQQVTCWRQGGIRITIGGSTFFQL
MNFANVGGSGSIRSVSVKGTKTGWIALNRNWGANWQCNSALVGQELSFIVTSTGGQ
TLWINNVVPAWWQFGMAFVSNYNFYY*

CDS (coding sequence)

>SvEXPA-35

ATGGACAGAGTCCTCACATTGTTTCATCGCCGTCCTAACGGCGACGTTCTTCGCGC
CGGCGAAGGGCTGGAACACTACGGGACGGCGACGTTCTACGGCGGCCCCGACGCCT
CCGGCACAATGGGTGGCGCGTGCGGGTACGGGAACCTGTACCAGGCGGGGTACG
GGACGAACACGGCGGGCGCTGAGCTCGGTGCTGTTCAATGACGGCGCGGCGTGC
GGCAGTGCTACCTGATCATGTGCGACAGCAACGCGTCCCCCTGGTGCAAGGGCGG
CGCCGCGGTGACCGTACGGCCACCAACTTCTGCCCGCCCAACTGGGCGCAGCCC
AGCAACCGCGGGCGGCTGGTGCAACCCGCGCGGCCCACTTCGACATGGCGCAG
CCCGCCTGGGAGCGCATCGGCGTCTACAAGGCCGGCATCATCCCCGTCTCTACC
AGCAGGTGACGTGCTGGAGGCAGGGAGGGATCCGGATCACCATCGGAGGATCCA
CCTTCTTCCAGCTGATGAACTTCGCGAACGTGGGCGGGAGCGGGTCGATCCGGTC
GGTGTTCGGTGAAGGGGACCAAGACGGGGTGGATCGCGCTGAACCGCAACTGGGG
CGCCAACCTGGCAGTGCAACTCGGCGCTCGTCGGGCAGGAGCTCTCCTTCATCGTC
ACCTCCACCGGCGGCCAGACGCTCTGGATCAACAACGTCGTGCCGGCGTGGTGGC
AGTTCGGCATGGCCTTCGTCAGCAACTACAACCTTCTACTACTGA

Nucleotide

>SvEXPA-35

ATATCGATCATTTCGGTGGCATGTTCCCTGCAATCCCCCTGCCCGGCGTCCCTGAA
CATAATTCTCGTTCCCTCGTTCTATATAAGCCATGCCACGATCACTGCAAATCCGT
CAGATCAGAAGCTGTTAGGCAGTCACTGCAATTCTCCTGTAGTGTACTGAAACCG
ACGAGTATTCCAAGTCTCCTGTGGTGTCTGTACCGGTCTCTGAGCAGAGATGGA
CAGAGTCCTCACATTGTTTCATCGCCGTCCTAACGGCGACGTTCTTCGCGCCGGCG
AAGGGCTGGAACACTACGGGACGGCGACGTTCTACGGCGGCCCCGACGCCTCCGGC

ACAATGGGTAAATATTTACTAGTTTTTAAATCCAAGATCCATTTTTGTACGAAT
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TGATGATGAAGGTGGCGCGTGCGGGTACGGGAACCTGTACCAGGCGGGGTACGG
GACGAACACGGCGGGCGCTGAGCTCGGTGCTGTTCAATGACGGCGCGGGCGTGCGG
GCAGTGCTACCTGATCATGTGCGACAGCAACGCGTCCCCCTGGTGCAAGGGCGGGC
GCCGCCGTGACCGTCACGGCCACCAACTTCTGCCCGCCCAACTGGGCGCAGCCCA
GCAACCGCGGGCGGCTGGTGCAACCCGCCGCGGGCCCCACTTCGACATGGCGCAGC
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GCAGTAAGTCATCGATCATGTTCGTCTACACACCTTCGTTTCCTTCTCCGATG
AGCTCGCGAGCTGATCGGCCATGGTGGCGTGTGCAGGGTGACGTGCTGGAGGCA
GGGAGGGATCCGGATCACCATCGGAGGATCCACCTTCTTCCAGCTGATGAACTTC
GCGAACGTGGGCGGGAGCGGGTTCGATCCGGTTCGGTGTTCGGTGAAGGGGACCAAG
ACGGGGTGGATCGCGCTGAACCGCAACTGGGGCGCCAACTGGCAGTGCAACTCG
GCGCTCGTCGGGCAGGAGCTCTCCTTCATCGTCACCTCCACCGGCGGCCAGACGC
TCTGGATCAACAACGTCGTGCCGGCGTGGTGGCAGTTCGGCATGGCCTTCGTCAG
CAACTACAATTCTACTACTGACCAATAGCTATAGCTCGAGGGCGGCCAAGCTAA
GCAAGCGCAGGGGTACTTTCGGTTGTTGTAATGGAAGGCGACAATTTGTTTCGTT
TTTTTTCTTGGGGGCTACTTTGTACATGTACATCTCGTTGTGATAAGAGGAATATA
TTGACCATTCAGACTTAACTTTGATCATC