

IDENTIFICATION

Species: *Setaria viridis*

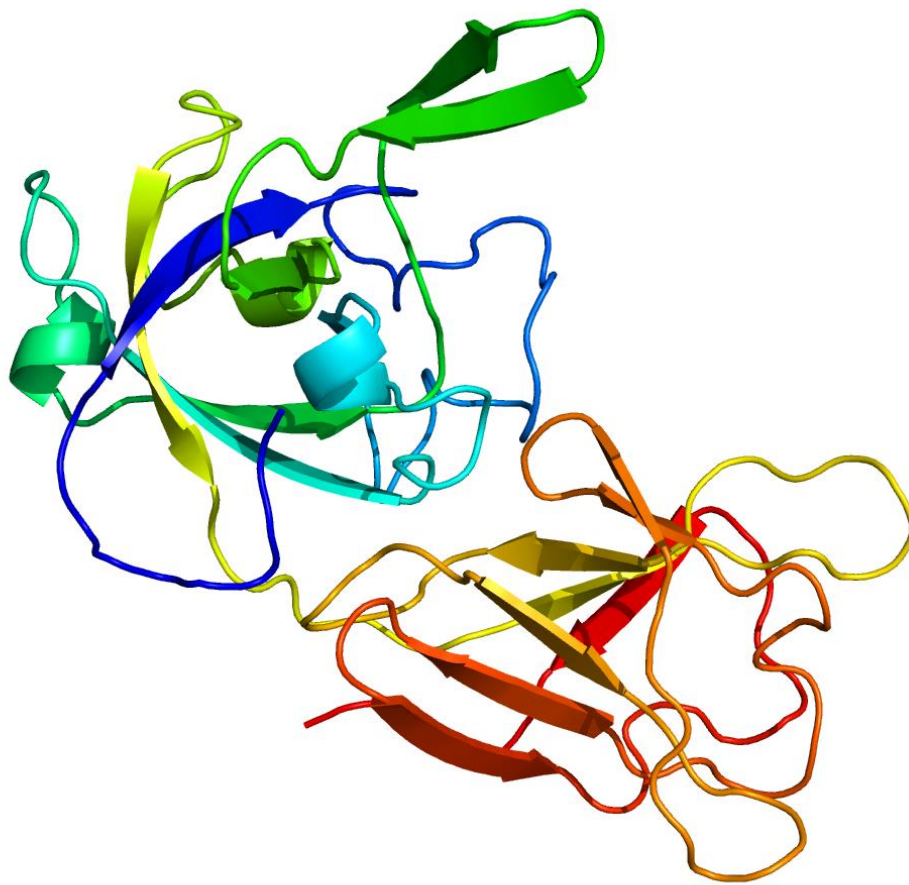
Locus: Sevir.9G540200

Gene Model: Sevir.9G540200.1.p

Description: SvEXPA-37

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

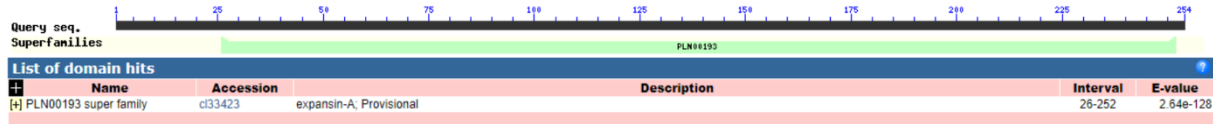
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-37

MARKV SCHLLVVA VVAASLAATARAGWIRGSATFYGGADASGTMGGACGYGNLY
STGYGTNTAALSSSLFNDGAACGECYQVMCDQQNSQWCRPGVTVTVTATNLCPPD
WSKASNNGGWCNPPRQHFDMAQPAWEKIGVYRGGYVPVMYQRVSCSRSGGVRFTI
NGNNYFELVLITNVAGPGSLRSVQIRGTRTGWITMSRNWGANWQANNYLNGQSISF
RVTATNGQTIEFWEVAGSGWRFGQFTFTNGQNFY*

CDS (coding sequence)

>SvEXPA-37

ATGGCGCGCAAGGTCTCGTGTCACTTGGTGGTGGTCGCCGTCGTCGCCGCGAGCC
TCGCCGCGACGGCCCGGGCGGGATGGATCAGGGGCTCGGCGACGTTCTACGGCG
GCGCCGACGCCTCCGGCACAATGGGTGGCGCTTGCGGGTACGGCAACCTTTACTC
GACGGGGTACGGGACGAACACGGCGGGCGCTGAGCTCGTCGCTGTTCAACGACGG
GGCGGCGTGCGGGGAGTGCTACCAGGTGATGTGCGACCAGCAGAACAGCCAGTG
GTGCCCGCCGGGCGTGACGGTGACCGTGACGGCGACCAACCTGTGCCCGCCGGA
CTGGTCCAAGGCCAGCAACAACGGCGGCTGGTGCAACCCGCCGCGGCAGCACTT
CGACATGGCGCAGCCGGCCTGGGAGAAGATCGGGGTCTACCGCGGGCGGGTACGT
CCCGGTCAATGTACCAGAGGGTGTCTATGCTCCCGGAGCGGCGGGGTGCGGTTACCC
ATCAACGGCAACAACACTACTTCGAGCTGGTCCCTCATCACCAACGTCGCCGGCCCGG
GGTCGCTCAGGTCGGTGCAGATCAGGGGCACCCGGACCGGGTGGATCACCATGT
CCAGGAACTGGGGCGCCAACACTGGCAGGCCAACAACTACCTCAACGGCCAGAGCA
TCTCCTTCCGCGTCACCGCCACCAACGGCCAGACCATCGAGTTCTGGGAGGTTCG
GGGGTCCGGATGGCGGTTCCGGCCAGACCTTACCAACGGCCAGAATTTCTACTAG

Nucleotide

>SvEXPA-37

GGGAGGAGGAGGAGGAGATGAGGAATCGTGGCATTAAAGGCGCACGGCGCAGC
GTCTGGGTGCGGCATGCATCGGCATGTGAGTCCGCGCCGGGGTCCGCGCGCGTGA
GCTCCGCCTCCCCGTCGCCGCAATTCCTATTTAAGCACCGTCGCGATCACCGCCAT
CTTCTCACTCATCCACCTCCCCGGCCAGTCTACTACTTCTCGGTTCTCCCA
CATTGCCTCGAGCTTGCCACCTGTGAGTCTGTGACTTCCCCGAGGGCCTAGGTA
GATTGCCAATCGACATGGCGCGCAAGGTCTCGTGTCACTTGCTGGTGGTCCCGT

CGTCGCCGCGAGCCTCGCCGCGACGGCCCCGGGCGGGATGGATCAGGGGCTCGGC
GACGTTCTACGGCGGCGCCGACGCCCTCCGGCACAATGGGTGAGTGACTAAGCTGC
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CCTTTACTCGACGGGGTACGGGACGAACACGGCGGCGCTGAGCTCGTCGCTGTTC
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CAGCACTTCGACATGGCGCAGCCGGCCTGGGAGAAGATCGGCGTCTACCGCGGC
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CGCCCCGGGGTTCGCTCAGGTCGGTGCAGATCAGGGGCACCCGGACCGGGTGGAT
CACCATGTCCAGGAACCTGGGGCGCCAACTGGCAGGCCAACAACTACCTCAACGG
CCAGAGCATCTCCTTCCGCGTCACCGCCACCAACGGCCAGACCATCGAGTTCTGG
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GCCTTATTTAGCGTCATTGTGATGGAAATGTTAGTGGCTCGATTAGCGTCTAGTAG
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GCAGATTATATTGGTGCATTTTTCTAATGATGAAACGGCCATGCATGCTTGGTTT