

IDENTIFICATION

Species: *Setaria viridis*

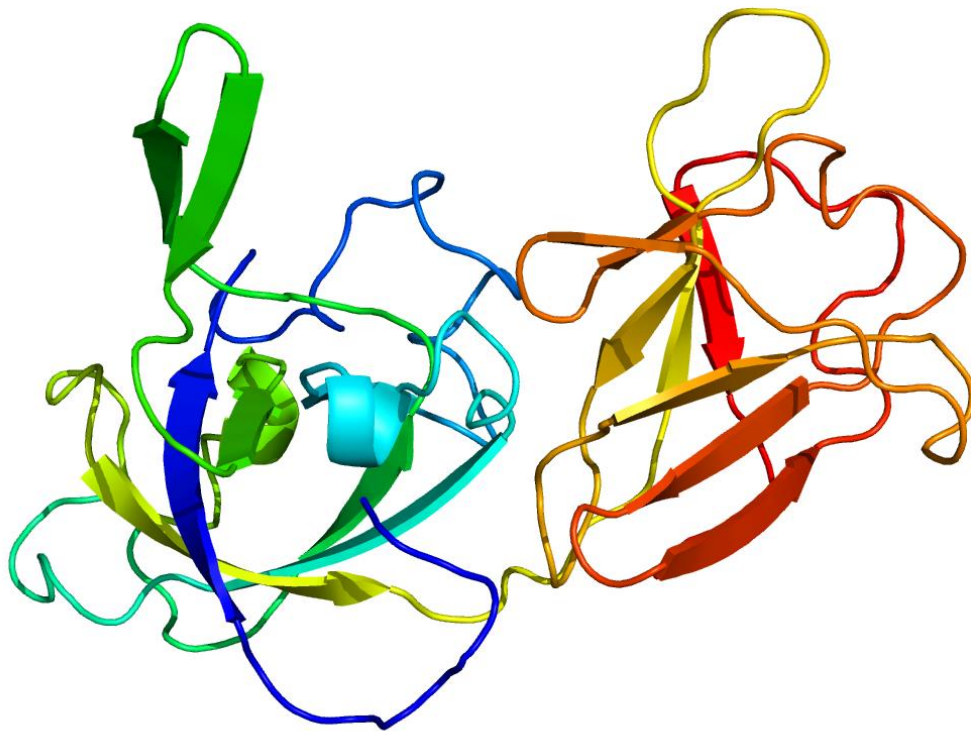
Locus: Sevir.9G540100

Gene Model: Sevir.9G540100.1.p

Description: SvEXPA-36

Family: Alpha Expansin

3D structure:



GENOME DATABASES

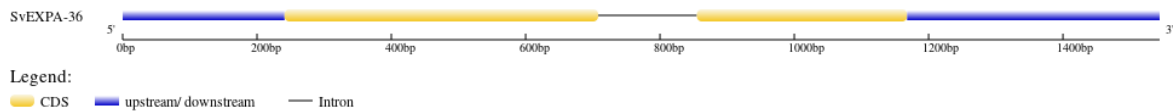
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

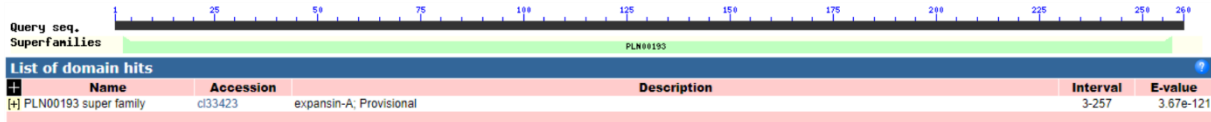
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-36

MEMRRAPSYLLLLLVVAAASRLVPAAGDDGGWSKGTATFYGGGDASGTMGGACG
YGNLYWSGYGTDTAALSSPLFDDGASCGQCFTVTCDAASSQWCLKGKLVTVTATNL
CPPNYALSGDEGGWCNPPRRHLDMAQPAFLQIAQYKGGIVPVLVLFQRTPCMKGQGGVR
FTIAGSNYFVLVLITNVAGTGSVKAVVWVKGSNDRMPMSRNWGANWQSLAGLTGQ
ALTFGVNTDGTKTVVVTDVVPAAWWKFGQSFTSGVQFSS*

CDS (coding sequence)

>SvEXPA-36

ATGGAGATGCGGAGAGCACCGAGCTATCTTCTGCTCCTCGTCGTCGCGGCTGCGT
CGCGGTTGGTGCCGGCGGCGGGGACGACGGCGGGTGGTTCGAAGGGCACGG
CCACGTTCTACGGCGGCGGGGACGCCTCCGGCACGATGGGCGGCGCGTGCGGGT
ACGGGAACCTGTACTGGTCCGGGTACGGGACGGACACGGCGGCGCTGAGCTCGC
CGCTGTTTCGACGACGGCGCGTTCGTGCGGGCAGTGCTTCACCGTCACGTGCGACGC
CGCCTCGTCGCAGTGGTGCCTGAAAGGCAAGTTGGTGACGGTCACGGCCACCAAT
CTGTGCCCGCCTAACTACGCGCTCTCCGGCGACGAGGGCGGCTGGTGCAACCCGC
CCCGCCGCCACCTCGACATGGCCCAGCCCGCCTTCCTCCAGATCGCCCAGTACAA
GGGCGGCATCGTGCCGGTGTCTTCCAGAGGACGCCGTGCATGAAGCAGGGAGG
GGTGCAGTTCACCATAGCCGGGTCCAACACTTTCGTGCTGGTGCATCACC AAC
GTGGCCGGGACCGGGTTCGGTGAAGGCGGTGTGGGTGAAAGGGAGCAACACGGAC
AGGATGCCCATGAGCAGGAACCTGGGGCGCCAACCTGGCAGTCGCTCGCCGGGCTC
ACCGGCCAGGCGCTCACCTTCGGCGTCACCAACACCGACGGCAAGACCGTTCGTCG
TCACCGACGTCGTGCCGGCATGGTGGAAAGTTCGGGCAGTCCTTCACCTCCGGCGT
CCAGTTCTCCAGCTGA

Nucleotide

>SvEXPA-36

TGTACATGTGTCACTCACTCATACTGCTTGGCCATGGCTTGGAGGAGCAAATTT
CCAAGCCGACGCATATGAATGCACTCGACACTTCGCTAGCTGCTCTCATCCTATTT
AAGATCCGTACGAGAAGATCGACTCCATTTACCACACCAAGTGTAACCGACAGT
GTCGCTCATCACGCATCAGTCTCTGTATAGCTAGCTAGTAGTCCAGTACTGCACTT
GCCAAAGCTCAAAGTGCATGGAGATGCGGAGAGCACCGAGCTATCTTCTGCTCC

TCGTCGTCGCGGCTGCGTCGCGGTTGGTGCCGGCGGCGGCGGGGGACGACGGCG
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CGGCGGCGCTGAGCTCGCCGCTGTTTCGACGACGGCGCGTTCGTGCGGGCAGTGCTT
CACCGTCACGTGCGACGCCGCCTCGTCGCAGTGGTGCCTGAAAGGCAAGTTGGTG
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GCGGCTGGTGCAACCCGCCCGCCGACCTCGACATGGCCCAGCCCGCCTTCCT
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CAAGTCAGTTCTAGCTAGCCTTCTGAATGATTAACCTCGTTAACAAAAGATTAATC
TGGTGATGTGAATCGTTGTGACGGTCTAGGACGCCGTGCATGAAGCAGGGAGGG
GTGCGGTTACCATAGCCGGGTCCAACACTTTCGTGCTGGTGCTCATACCAACG
TGGCCGGGACCGGGTTCGGTGAAGGCGGTGTGGGTGAAAGGGAGCAACACGGACA
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CACCGACGTCGTGCCGGCATGGTGGAAGTTCGGGCAGTCCTTACCTCCGGCGTC
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TGAAGAAGCACATGACATCTGAATTAATAAAGATTAATAATGGGGACAGGACTG
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AATGA