

IDENTIFICATION

Species: *Setaria viridis*

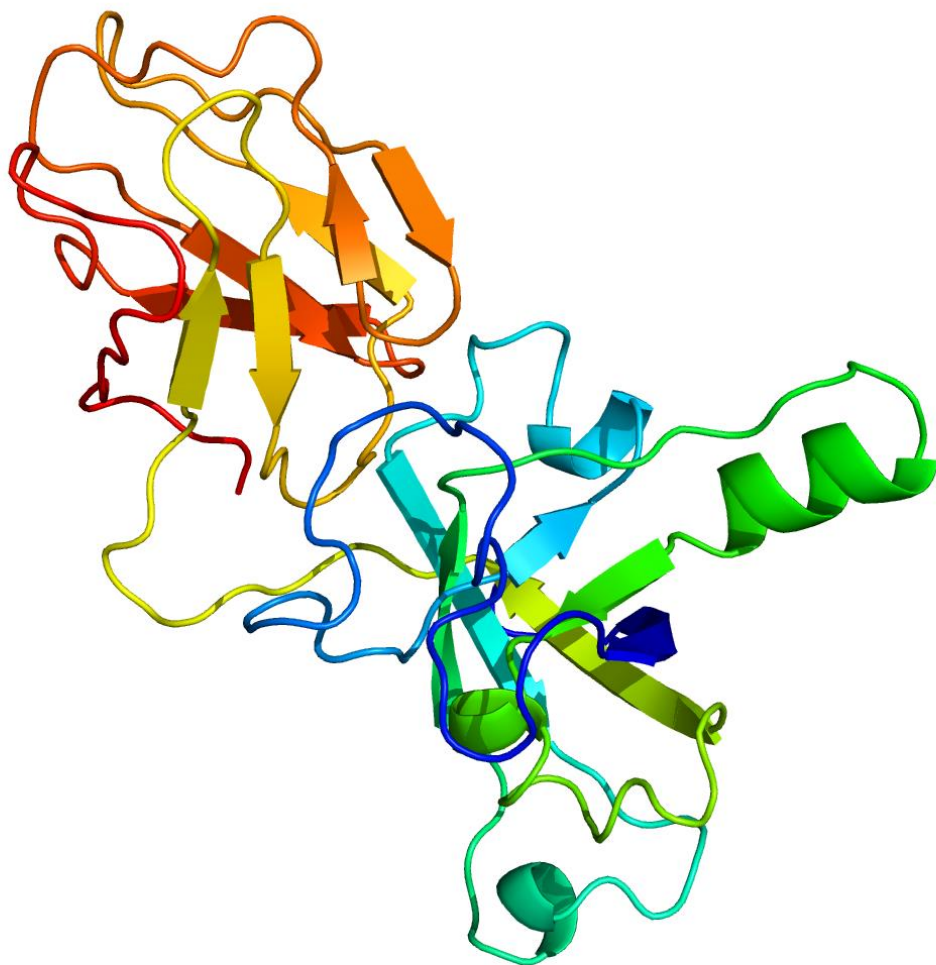
Locus: Sevir.5G062000

Gene Model: Sevir.5G062000.1.p

Description: SvEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

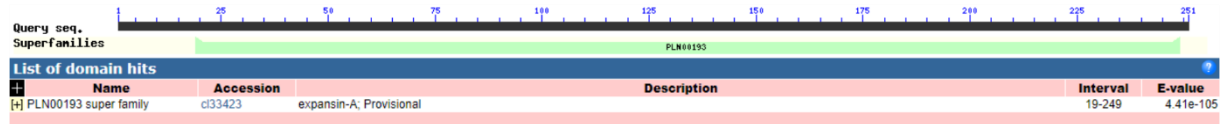
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-15

MEKAILLLLLSLCAARLDDAAAQQYWTPATATFYGGSDASGTMGGSCGYGNLYNA
GYGTQTTALSTALYGDGASCGACFLVACDASRTQYCKPGSPSVTVTATNFCPPNYGD
PSGWCNSPRQHFDMSQPAWETIGVYQAGIVPVNYRRVPCSRSGGIRFGISGHDYFELV
LITNVGGAGAVAAAWVRGTGTDWLAMSRNWGANWQSSAYLTGQSLSFKVQTDDG
KAVMAYNVAPASWQFGCTYQASVNFY*

CDS (coding sequence)

>SvEXPA-15

ATGGAGAAGGCGATCCTGCTCTTGCTGCTGAGCTTGTGCGCCGCCGGCTTGACG
ACGCAGCGGCGCAGCAGTACTGGACGCCGGCCACCGCCACGTTCTACGGCGGGA
GCGACGCGTCCGGCACCATGGGCGGGTCGTGCGGGTACGGCAACCTGTACAACG
CCGGGTACGGGACGCAGACGACGGCGCTGAGCACGGCGCTCTACGGCGACGGCG
CCTCCTGCGGCGCGTGTCTCCTCGTCGCCTGCGACGCGTCGCGGACGCAGTACTG
CAAGCCGGGGTTCGCCGTCGGTGACCGTCACGGCGACCAACTTCTGCCCGCCCAAC
TACGGCGACCCAGCGGGTGGTGCAACTCGCCGCGGCAGCACTTCGACATGTTCGC
AGCCGGCGTGGGAGACCATCGGCGTGTACCAGGCCGGCATCGTCCCCGTCAACTA
CCGGAGGGTCCCCTGCAGCCGGTCCGGCGGGATCAGGTTCCGGATCAGCGGGCA
CGACTACTTCGAGCTCGTGCTCATCACCAACGTTCGGCGGCGCCGGCGCGGTGGCG
GCGGCGTGGGTCAGGGGGACCGGCACCGACTGGCTGGCGATGAGCCGCAACTGG
GGGGCGAACTGGCAGAGCAGCGCGTACCTACCGGGCAGAGCCTGTCTCAAG
GTGCAGACGGACGACGGCAAGGCCGTATGGCGTACAACGTTGCGCCGGCGAGT
TGGCAGTTCGGCTGCACCTACCAGGCCTCGGTCAACTTCTACTAG

Nucleotide

>SvEXPA-15

GCAGCGTGCATGATCACCTCGTCGTCAGCCAACCGTTCGCTCGCCGGCAGTTGCA
GGCTTATAAGTAGTAGGAGAGAAGAGTTGTGCAGTCGCAACAGATTGCAACTTG
CAAGTGATCTGGTCACTCTGGCAGCGTCTTGCTGAGAGACGATGGAGAAGGCGA
TCCTGCTCTTGCTGCTGAGCTTGTGCGCCGCCGGCTTGACGACGCAGCGGCGCA
GCAGTACTGGACGCCGGCCACCGCCACGTTCTACGGCGGGAGCGACGCGTCCGG
CACCATGGGTAACACATCCACGCCGACGACCTTTTTTTTTGACAGCTCCGACGAAC

CATGAGTTCGTGGCATTGATGTGCGCGTTCTTGTTTTCGCAGGCGGGTCGTGCGGG
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GCGCTCTACGGCGACGGCGCCTCCTGCGGGCGCGTGCTTCCTCGTCGCCTGCGACG
CGTCGCGGACGCAGTACTGCAAGCCGGGGTCGCCGTCCGGTGACCGTCACGGCGA
CCAAC TTCTGCCC GCCAACTACGGCGACCCCAGCGGGTGGTGCAACTCGCCGCG
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TATACCATCTTCGCAAAAAGGGAAGGAAAAAACACATTCTTTTAAGTGTGCATTT
AACAGGGTTAATTCTATTA AAAAGCACTCTTTTGTGGATCTGGATGTGAAGACATT
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GATATTCAGGGTGTGTTTGGTTGCATGCACCATATGATACATGTATGGATGATCCT
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ACAACCAACCAAACACATAGGGTCAGTGCCTCAACTGAATGTGTGCCT