

## IDENTIFICATION

**Species:** *Setaria viridis*

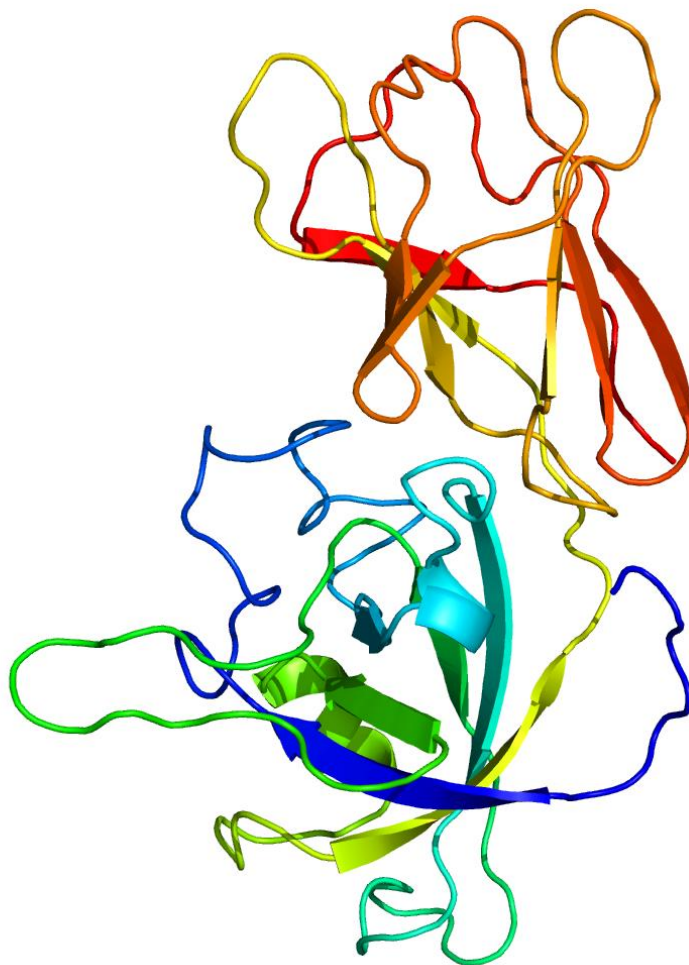
**Locus:** Sevir.9G241900

**Gene Model:** Sevir.9G241900.1.p

**Description:** SvEXPA-29

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

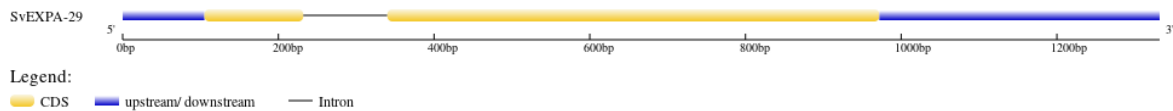
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sviridis\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1)

KEGG:-

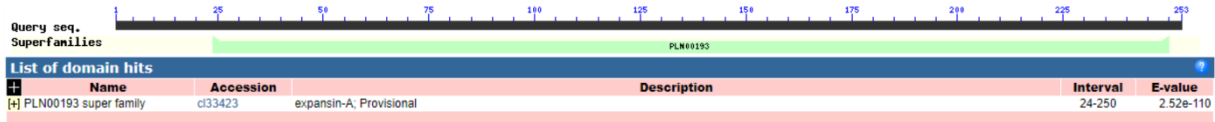
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SvEXPA-29

MAMTKSLILLCAVLAACLAIAAAGWSPGTATFYGGADGSGTMGGACGYDNLYNAG  
YGVNNAALSTTLFNDGASCGQCYKITCDRSRPGGRYCKPGNSITVTATNLCPPNYAL  
PNGGWCGPGRPHFDMSQPAWEHIGVYQAGIVPVLYQQVKCSRSSGGVRFISIAGSDYF  
LLVNIQNLAGSGSVAAALVKGDKTGWIHMSRNWGANWQALSGLVGQRLSFAVTST  
GGQYIQFLNVVPSWWQFGMAFSTNLNFVH\*

### CDS (coding sequence)

>SvEXPA-29

ATGGCAATGACCAAGTCCCTGATCTTACTATGCGCAGTCCTCGCGGCGTGCCTCG  
CAATAGCCGCAGCTGGCTGGTCTCCTGGCACCGCCACGTTCTACGGCGGCGCTGA  
TGGCTCCGGCACAATGGGCGGCGCGTGCGGGTACGACAACCTCTACAACGCCGG  
GTACGGCGTCAACAACGCGGCTCTGAGCACGACGCTGTTCAACGACGGCGCGTC  
GTGCGGCCAGTGCTACAAGATCACGTGCGACCGATCACGCCAGGCGGCGCGGTA  
CTGCAAGCCCGGCAACAGCATCACCGTCACGGCCACCAACCTGTGCCCGCCCAAC  
TACGCGCTGCCCAACGGCGGCTGGTGC GGCCCGGGCGCCCCACTTCGACATGT  
CGCAGCCGGCGTGGGAGCACATCGGTGTCTACCAGGCCGGCATCGTCCCGGTCTT  
GTACCAGCAGGTCAAGTGCTCGCGCAGCGGTGGGGTGC GCTTCAGCATCGCCGGC  
TCCGACTACTTCCTGCTCGTCAACATCCAGAACCTCGCCGGCAGTGGCTCCGTGG  
CCGCAGCCTTGGTCAAGGGCGACAAGACGGGCTGGATCCATATGTCCAGGAACT  
GGGGCGCCA ACTGGCAGGCGCTCTCCGGGCTCGTCCGGCCAGAGGCTCAGCTTCGC  
CGTGACCAGCACCGGTGGGCAGTACATTTCAGTTCCTAACGTCGTGCCGAGCTGG  
TGGCAGTTCGGCATGGCCTTCTCCACCAATCTGAATTTTCGTCCACTAG

### Nucleotide

>SvEXPA-29

GAAGAGACAGTTAACCTCGATCACCCAGCCACCTTACCAACACGCACCTTGACTT  
CCAGCTCGTTTCGTTCTCTGGACCTAGCTGGCTAGCTCTGCATTGACACCCATGGCA  
ATGACCAAGTCCCTGATCTTACTATGCGCAGTCCTCGCGGCGTGCCTCGCAATAG  
CCGAGCTGGCTGGTCTCCTGGCACCGCCACGTTCTACGGCGGCGCTGATGGCTC  
CGGCACAATGGGTAAGATTTTCCGTGCATGCATAATGCATTTCCGTACACGAACA  
ATCTACACAATTTCTATAGCTTCGGACGTTGATGTCGCTAATATATGCGTTTGTG

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AACAAACGCGGCTCTGAGCACGACGCTGTTCAACGACGGCGCGTCGTGCGGCCAG  
TGCTACAAGATCACGTGCGACCGATCACGCCAGGCGGCCGGTACTGCAAGCCC  
GGCAACAGCATCACCGTCACGGCCACCAACCTGTGCCCGCCAACTACGCGCTGC  
CCAACGGCGGCTGGTGC GGCCCGGGGCGCCCCACTTCGACATGTCGCAGCCGGC  
GTGGGAGCACATCGGTGTCTACCAGGCCGGCATCGTCCCGGTCTGTACCAGCAG  
GTCAAGTGCTCGCGCAGCGGTGGGGTGC GCTTCAGCATCGCCGGCTCCGACTACT  
TCCTGCTCGTCAACATCCAGAACCTCGCCGGCAGTGGCTCCGTGGCCGCAGCCTT  
GGTCAAGGGCGACAAGACGGGCTGGATCCATATGTCCAGGAACTGGGGCGCCAA  
CTGGCAGGCGCTCTCCGGGCTCGTCGGCCAGAGGCTCAGCTTCGCCGTGACCAGC  
ACCGGTGGGCAGTACATTCAGTTCCTTAACGTCGTGCCGAGCTGGTGGCAGTTCG  
GCATGGCCTTCTCCACCAATCTGAATTTTCGTCCACTAGCTACAAACCGTGGAATTC  
TCTCTCCCCTTTGCCATTTTCGTGCCGTTCCATCGAATGGCTGAGTGCGTGCTCTTG  
ATTTTGAAGGAGCTTTATGCACTTGTGCTATTGCATCCTAGTTGGCCACCTGACTG  
GCATATCTCCTACGTGATGCTCCGACTGCAGGAGGAAATGGCAAGGGTCTTTGGA  
GGTAGAAGGAATGTCAAATAGATCGTATTAAGGCTCGCCTTTGTTTCTCAATTCT  
GTAGATACCACATGTTATGATTTTATAGAACAAGAATTTGCACTGCATATGTTTTA  
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CTAACTTGC