

## IDENTIFICATION

**Species:** *Setaria viridis*

**Locus:** Sevir.6G256300

**Gene Model:** Sevir.6G256300.1.p

**Description:** SvEXPA-19

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

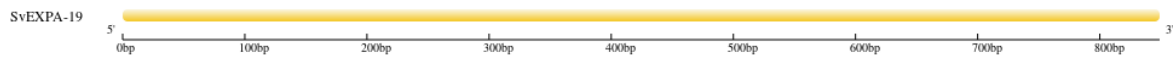
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sviridis\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1)

KEGG:-

## EXTERNAL RESOURCES

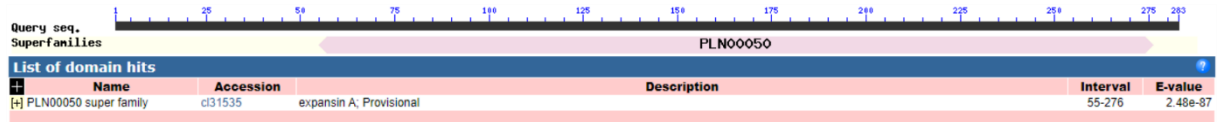
-

## GENE STRUCTURE



Legend:  
Exon

## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SvEXPA-19

MAPPPATSRRGPLVVPLLLLLLAALDVAGASGHKPLTPGGRLVHHNHGKFTAGPWK  
PAHATFYGGRDGSDDTAGACGYKDTRAEGYGVQTVAVSTVLFGDGAACGGCYEVR  
CVDSPHGCKAAAAAPLVVTATNLCPPNYQQSSDNGGWCNPPREHFDLSMPAFLQIA  
EEKAGIVPISYRRVACVKQGGIRYTITGNRYFNMVMVTNVGGAGDLAAVSVKGSKR  
VKWTELKRNWGQVWQTGEDLTGESLTFRLMTSDHRKATSWHVLPTNWQFGVTYES  
TKNF\*

### CDS (coding sequence)

>SvEXPA-19

ATGGCACCAACCGCCGGCGACGTCGAGAAGAGGTCCTCTCGTCGTGCCGCTGCTGC  
TGCTGCTGCTGGCGGCGCTCGACGTCGCAGGTGCGAGCGGCCACAAGCCCTTGAC  
GCCC GGCGGGCGCCTGGTGCACCACAACCACGGCAAGTTCACGGCCGGCCCCTG  
GAAGCCC GCGCACGCCACCTTCTACGGCGGGCGCGACGGCTCCGACACGACGGC  
GGGCGCGTGCGGGTACAAGGACACGCGGGCGGAGGGGTACGGCGTGCAGACGGT  
GGCGGTGAGCACGGTGCTGTTTCGGCGACGGCGCGGGCGTGCGGCGGATGCTACGA  
GGTGCGGTGCCTGGACAGCCCCACGGCTGCAAGGCGGCGGGCGGGCGCCGCT  
GGTGGTGACGGCGACGAACCTGTGCCCGCCCAACTACCAGCAGTCGAGCGACAA  
CGGCGGGTGGTGCAACCCGCCGCGGGAGCACTTCGACCTGAGCATGCCGGCGTTC  
CTGCAGATCGCGGAGGAGAAGGCCGGGATCGTGCCCATCTCCTACCGGCGGGTG  
GCGTGCGTGAAGCAGGGCGGCATCCGCTACACCATCACC GGGAACAGGTACTTC  
AACATGGTGATGGTGACCAACGTGGGCGGGCGCCGGCGACCTGGCGGGCGGTGTCG  
GTGAAGGGGAGCAAGCGCGTCAAGTGGACGGAGCTGAAGCGCAACTGGGGGCA  
GGTGTGGCAGACCGGGGAAGACCTACCGGAGAGTCGCTGACGTTCCGGCTGAT  
GACCAGCGACCACCGCAAGGCCACATCCTGGCACGTCTCTCCCACTGGCAG  
TTCGGCGTCACCTACGAGTCGACCAAGAACTTCTAG

### Nucleotide

>SvEXPA-19

ATGGCACCAACCGCCGGCGACGTCGAGAAGAGGTCCTCTCGTCGTGCCGCTGCTGC  
TGCTGCTGCTGGCGGCGCTCGACGTCGCAGGTGCGAGCGGCCACAAGCCCTTGAC  
GCCC GGCGGGCGCCTGGTGCACCACAACCACGGCAAGTTCACGGCCGGCCCCTG

GAAGCCCGCGCACGCCACCTTCTACGGCGGGCGCGACGGCTCCGACACGACGGC  
GGGCGCGTGCGGGTACAAGGACACGCGGGCGGAGGGGTACGGCGTGCAGACGGT  
GGCGGTGAGCACGGTGCTGTTTCGGCGACGGCGCGGGCGTGCGGCGGATGCTACGA  
GGTGCGGTGCCTGGACAGCCCCACGGCTGCAAGGCGGGCGGGCGGGCGCCGCT  
GGTGGTGACGGCGACGAACCTGTGCCCGCCAACTACCAGCAGTCGAGCGACAA  
CGGCGGGTGGTGCAACCCGCCGCGGGAGCACTTCGACCTGAGCATGCCGGCGTTC  
CTGCAGATCGCGGAGGAGAAGGCCGGGATCGTGCCCATCTCCTACCGGCGGGTG  
GCGTGCGTGAAGCAGGGCGGCATCCGCTACACCATCACCGGGAACAGGTACTTC  
AACATGGTGATGGTGACCAACGTGGGCGGGCGCCGGCGACCTGGCGGGCGGTGTCG  
GTGAAGGGGAGCAAGCGCGTCAAGTGGACGGAGCTGAAGCGCAACTGGGGGCA  
GGTGTGGCAGACCGGGGAAGACCTCACCGGAGAGTCGCTGACGTTCCGGCTGAT  
GACCAGCGACCACCGCAAGGCCACATCCTGGCACGTCCCTCCCCACCAACTGGCAG  
TTCGGCGTCACCTACGAGTCGACCAAGAACTTCTAG