

## IDENTIFICATION

**Species:** *Setaria viridis*

**Locus:** Sevir.1G265400

**Gene Model:** Sevir.1G265400.1.p

**Description:** SvEXPB-05

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

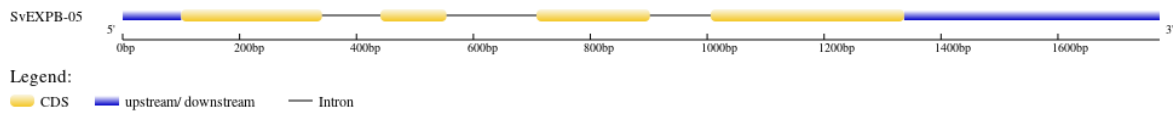
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sviridis\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1)

KEGG:-

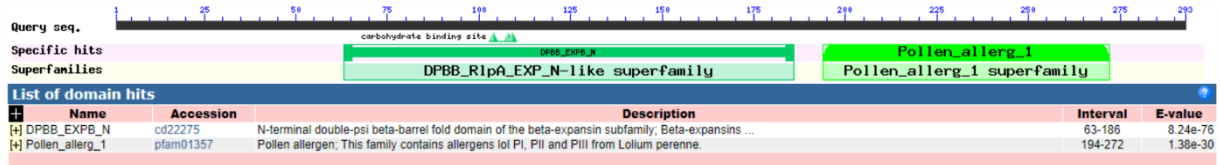
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SvEXPB-05

MAKSHTLLL GALVVLALLVSP IACSRKLAKPNKHRPSHKPAVRARSNYTATPSASDA  
 YGSGGWLSAGATYYGAPNGDGS DGGACGYQTA V GQRPFSSMISAGSPSLFKGGKGC  
 GACYEVKCDSNPACSGQPATV VITDECPGGVCLAEAAHFDMSGTSMGAMAKPGMA  
 DRLRAAGILKVQYKRV PCKYSGLNIAFRVDQGSNPFYFEVLIEFEDGDGDL SAVDLM  
 EAGCGTWTMPVQNW GALWRYNSNTGKALRAPFSLRLTSESGKVLVANNVIPAGWT  
 AGATYRSLVNYS\*

### CDS (coding sequence)

>SvEXPB-05

ATGGCGAAGTCTCACACCTTGCTGCTCGGCGCACTGGTCGTGCTCGCGCTTCTGGT  
 GAGCCCCATTGCTTGCTCCCGCAAGCTCGCCAAGCCCAACAAGCACAGGCCGAGC  
 CACAAGCCGGCTGTCAGGGCCCGCAGCAACTACACCGCTACCCCCTCGGCCTCCG  
 ACGCCTACGGCTCCGGCGGGCTGGCTGTCCGCTGGCGCGACGTACTACGGCGCCCC  
 CAACGGCGACGGCAGTGACGGCGGCGCGTGCGGCTACCAGACCGCCGTCGGGCA  
 GCGGCCCTTCTCGTTCGATGATCTCCGCCGGCAGCCCGTCGCTGTTCAAGGGAGGC  
 AAGGGCTGTGGCGCCTGCTACGAGGTTAAATGCGACAGCAACCCAGCGTGCTCC  
 GGCCAGCCGGCGACCGTGGTCATAACCGACGAGTGCCCCGGCGGGCTCTGCCTCG  
 CAGAGGCGGCCACTTCGACATGAGCGGCACCTCCATGGGCGCCATGGCGAAGC  
 CCGGCATGGCCGACAGGCTTCGCGCCGCCGGC ATCCTAAAGGTCCAGTACAAGA  
 GGGTGCCGTGCAAGTACAGCGGCTTGAACATCGCCTTCCGGGTTGACCAAGGCTC  
 CAATCCGTTCTACTTCGAGGTCTGATCGAGTTCGAGGACGGCGACGGCGACCTC  
 AGCGCCGTCGACCTCATGGAGGCCGGGTGCGGCACCTGGACCCCTATGGTGCAG  
 AACTGGGGCGCGCTGTGGCGCTACAACTCCAACACCGGCAAGGCGCTGAGGGCG  
 CCCTTCTCGCTGCGGCTCACCTCCGAGTCCGGCAAGGTCTCTCGTCGCCAACAACG  
 TCATCCCCGCCGGCTGGACGGCCGGCGCCACGTACCGCTCCTTGGTGA ACTACTC  
 CTGA

## Nucleotide

>SvEXPB-05

CACTCGAGCTAAGCTCAGCCTCAGAGCCACTCTCGAGCTGCCACTGCACCAGTCT  
TGGCTTAGAACAAGCAGCAGAAACCAAGCAGCTCCTGCAGCAGCAATGGCGAAG  
TCTCACACCTTGCTGCTCGGCGCACTGGTTCGTGCTCGCGCTTCTGGTGAGCCCAT  
TGCTTGCTCCCGCAAGCTCGCCAAGCCCAACAAGCACAGGCCGAGCCACAAGCC  
GGCTGTCAGGGCCCCGAGCAACTACACCGCTACCCCTCGGGCCTCCGACGCCTAC  
GGCTCCGGCGGCTGGCTGTCCGCTGGCGCGACGTACTACGGCGCCCCAACGGCG  
ACGGCAGTGACGGTTAGTGCGGTTGCTTTTACTGTGCTCTGTCTGTCGGTTAGGCA  
GTTAGTGTGCACTCTGCTTTGCACCGCGTTCTGACAAGCAAGGACCATATATGCA  
GGCGGCGCGTGC GGCTACCAGACCGCGTCGGGCAGCGGCCCTTCTCGTCGATGA  
TCTCCGCCGGCAGCCCCTCGCTGTTCAAGGGAGGCAAGGGCTGTGGCGCCTGCTA  
CGAGGTCAGTCAGCGCAACGGATTTCTCAGAGTTTTCTGTGTGGTCACACCGGCG  
CACGGCCTAGCTCCTCTGCTATGGCAGTGTGTCTCCATTAATGGTGAAAAGTGGT  
CGGTGCTGGGTGGTCACTGAATGCATTCATGTGCCGCGCGTAATGCAGGTTAAAT  
GCGACAGCAACCCAGCGTGCTCCGGCCAGCCGGCGACCGTGGTCATAACCGACG  
AGTGCCCCGGCGGCGTCTGCCTCGCAGAGGGCGGCCACTTCGACATGAGCGGCAC  
CTCCATGGGCGCCATGGCGAAGCCCGGCATGGCCGACAGGCTTCGCGCCGCCGG  
CATCTAAAGGTCCAGTACAAGAGGTATGCGCGACTACTACCTACTGAAAAATTC  
AGAATTACACGCGCCGGCATTGCAAGATAAGCCTTAATTAATCTTGGTGTTAAT  
TTCCGTCGTCCGTGCGAGGGTGCCGTGCAAGTACAGCGGCTTGAACATCGCCTTC  
CGGGTTGACCAAGGCTCCAATCCGTTCTACTTCGAGGTCCTGATCGAGTTCGAGG  
ACGGCGACGGCGACCTCAGCGCCGTGACCTCATGGAGGCCGGGTGCGGCACCT  
GGACCCCTATGGTGCAGA ACTGGGGCGCGCTGTGGCGCTACA ACTCCAACACCG  
GCAAGGCGCTGAGGGCGCCCTTCTCGCTGCGGCTCACCTCCGAGTCCGGCAAGGT  
CCTCGTCGCCAACAACGTCATCCCCGCCGGCTGGACGGCCGGCGCCACGTACCGC  
TCCTTGGTGA ACTACTCCTGAATGA ACTGCAGCGGCGGTTTCACTTTCACCCCCGC  
TGCGCTTGGCCGGATTATTATGCGTGGCCAAGAATTGACTGCAGGGTGTGGTGGT  
TAAGAAAGAATCTCGAGTTTGCTTTCGTGTGAAATGTGTGTCCGGGTGTCTGCGAG  
AGGCGGTGTCAGAGGAGGAGGAGGAGGAGGAGGTTGAAGAGAGCCGTGTCCTTC  
ACTCCCTCCACGGTCTCTGCAGTCCCCTAGTGACGCGTGTGCACTTTCTGTGTGC  
AGTCGTCGTGTCGATTTCTCTGTAGTTTTATTTGTATCTTTTTGCTGCGCTGCTGAG  
AGAAGCTTGAGCTGCGACTAAGGTTGCAAGCCACTCAGTTGCATTGTACCAAGTT  
GTGTGAGTGATTTTTTGTACCACTCAATCCTTTCAGAGTAATGCATTACTGCTCTC  
ATTCGCATCACGGT