

## IDENTIFICATION

**Species:** *Setaria viridis*

**Locus:** Sevir.9G337800

**Gene Model:** Sevir.9G337800.1.p

**Description:** SvEXPB-28

**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:-

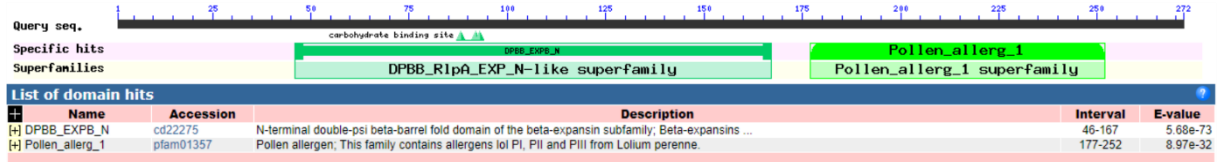
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SvEXPB-28

MGSLPNVVVAAAAVVLAALVAGGSCDPSAPKVPPGNITTDYGGRWLAAKATWYGG  
QPVAAGPDDNGGACGIKVNLPYSGMTACGNLPIFKDGKGCSCYQIRCGAPEECS  
NKPVTVFITDMNYDPIAPYHFDLSGTAFGSMAQAGLGDKLRHRGIIDLQFRRVRCKY  
AAGQKIVFHVEHGSNPNYLAVLVKQVANDGDIVQMDLKERASPEWKPMKLSWGAI  
WRMDTPKALRGPFSIRLTSESGKKL VATDVIPENWKPSTVYKSNIQF\*

### CDS (coding sequence)

>SvEXPB-28

ATGGGATCCCTGCCCAATGTCGTCGTGGCCGCGGCCGCGTCGTCCTGGCGGCGC  
TCGTCGCCGGCGGGTCGTGCGACCCATCAGCCCCAAGGTGCCGCGGGCCCCAA  
CATCACGACCGACTACGGCGGCAGGTGGCTCGCCGCGAAGGCCACCTGGTACGG  
CCAGCCCGTCGCCGCCGGCCCCGACGACAACGGCGGTGCGTGCGGGATCAAGAA  
CGTGAACCTGCCGCCCTACAGCGGCATGACGGCCTGCGGCAACCTCCCCATCTTC  
AAGGACGGCAAGGGCTGCGGCTCGTGCTACCAGATCAGATGCGGTGCGCCAGAG  
GAGTGCTCCAACAAGCCGGTGACGGTGTTTCATCACCGACATGAACTACGACCCCA  
TCGCCCCCTACCACTTCGACCTCAGCGGCACGGCGTTCGGCTCCATGGCCCAGGC  
CGGGCTCGGCGACAAGCTCCGCCACCGCGGCATCATCGACCTGCAGTTCAGGAG  
GGTGCGGTGCAAGTACGCGGCCGGGCAGAAGATCGTGTTCCACGTGGAGCATGG  
TTCCAACCCCAACTACCTGGCTGTGCTGGTGAAGTTCGTTCGCGAACGACGGCGAC  
ATCGTGACAGATGGACCTCAAGGAGAGGGCGTCCCGGAGTGGAAGCCGATGAAG  
CTCTCGTGGGGCGCCATCTGGAGGATGGACACGCCCAAGGCGCTCAGGGGGCCC  
TTCTCCATCCGCCTCACCAGTGAGTCCGGCAAGAAGCTGGTCGCCACCGACGTCA  
TTCCGGAGAACTGGAAGCCAGCACCGTCTACAAGTCCAACATCCAGTTCTAG

### Nucleotide

>SvEXPB-28

ATGGGATCCCTGCCCAATGTCGTCGTGGCCGCGGCCGCGTCGTCCTGGCGGCGC  
TCGTCGCCGGCGGGTCGTGCGACCCATCAGCCCCAAGGTGCCGCGGGCCCCAA  
CATCACGACCGACTACGGCGGCAGGTGGCTCGCCGCGAAGGCCACCTGGTACGG  
CCAGCCCGTCGCCGCCGGCCCCGACGACAACGGCGGTGCGTGCGGGATCAAGAA

CGTGAACCTGCCGCCCTACAGCGGCATGACGGCCTGCGGCAACCTCCCCATCTTC  
AAGGACGGCAAGGGCTGCGGCTCGTGCTACCAGGTACGCACGTGTCAATTAAT  
GCTTGACTAGCATACTGGGATTGGGAATGAGATCCTGAGTTCTTGACGAACTTG  
ATCAATGCAACGAACTGTCCGTTGCCGCGTGCCTGCAGATCAGATGCGGTGCGCC  
AGAGGAGTGCTCCAACAAGCCGGTGACGGTGTTCATCACCGACATGAACTACGA  
CCCCATCGCCCCCTACCACTTCGACCTCAGCGGCACGGCGTTCGGCTCCATGGCC  
CAGGCCGGGCTCGGCGACAAGCTCCGCCACCGCGGCATCATCGACCTGCAGTTCA  
GGAGGTCCGCCATGATCCATCATCATTAGTTCATTACTACTGCTCGATCAAATAAT  
TAAACTTCTTCATGATCTGTGTATGCGGTATCCCTGTACGCATGCAAAAATAAT  
GACATGGACCTTGATGCAGGGTGCGGTGCAAGTACGCGGCCGGGCAGAAGATC  
GTGTTCCACGTGGAGCATGGTTCCAACCCCAACTACCTGGCTGTGCTGGTGAAGT  
TCGTCGCGAACGACGGCGACATCGTGCAGATGGACCTCAAGGAGAGGGCGTCGC  
CGGAGTGGAAGCCGATGAAGCTCTCGTGGGGCGCCATCTGGAGGATGGACACGC  
CCAAGGCGCTCAGGGGGCCCTTCTCCATCCGCCTACCAGTGAGTCCGGCAAGAA  
GCTGGTCGCCACCGACGTCAATCCGGAGAACTGGAAGCCCAGCACCGTCTACAAG  
TCCAACATCCAGTTCTAG