

## IDENTIFICATION

**Species:** *Setaria viridis*

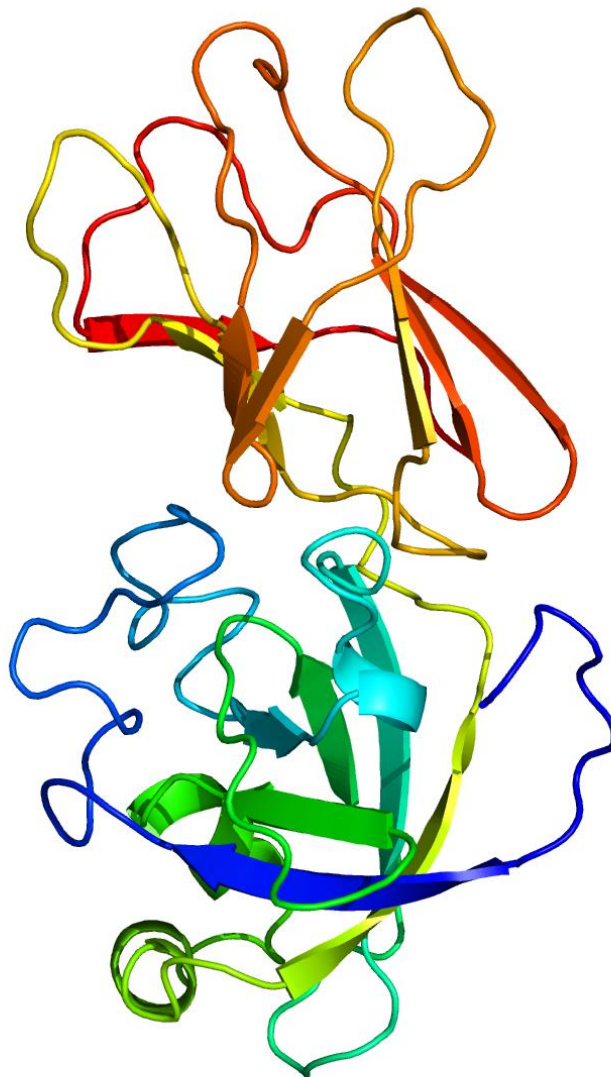
**Locus:** Sevir.9G332400

**Gene Model:** Sevir.9G332400.1.p

**Description:** SvEXPB-21

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

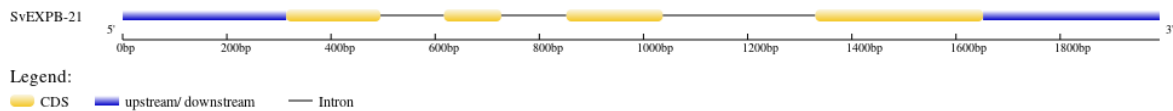
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sviridis\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1)

KEGG:-

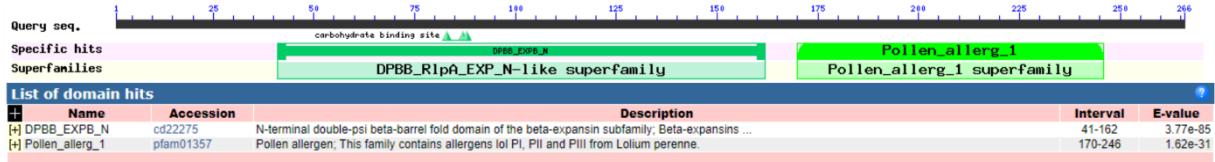
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SvEXPB-21

MASSSKAAAFALLFSLLVTYGSCTRPVNFNESDFTADPNWEAARATWYGAPTGAG  
PDDDDGGACGFKVNLPPFSAMTSCGNEPLFKDGKGCSCYQIRCTNHAACSGNPETV  
IITDMNYYPVAKYHFDLSGTAFGAMAKPGRNDEL RHAGIIDIQFKRVPCNYPGQKVT  
FHVEEGSNAVYLAVLVEFEDGDGDVVQVDLMEANSGSWTPMRESWGSIWRLDSNH  
RLQAPFSVRITNESGRMLVANQVIPANWV PNTYYRSIIQY\*

### CDS (coding sequence)

>SvEXPB-21

ATGGCCTCCTCTTCCAAGGCTGCAGCATTGCTGCACTGCTCTTCTCCCTCCTTGT  
CACGTATGGCTCGTGCCTCGGCCGGTGAACCTTAACGAGTCGGACTTCACCGCC  
GACCCCAACTGGGAGGCCGCCAGGGCCACCTGGTATGGGGCACCCACCGGCC  
GGTCCTGACGACGACGGTGGCGCCTGCGGGTTCAAGAACGTGAACCTGCCACCGT  
TCTCGGCGATGACGTCCTGCGGCAACGAGCCACTGTTCAAGGACGGCAAGGGCT  
GCGGCTCCTGCTACCAGATACGATGCACCAACCACGCTGCGTGCTCCGGCAACCC  
GGAGACGGTGATAATCACCGACATGAACTACTACCCCGTCGCCAAGTACCACTTC  
GACCTCAGCGGCACGGCCTTCGGCGCCATGGCCAAGCCAGGCCGCAACGATGAG  
CTCCGCCATGCCGGCATCATCGACATCCAATTCAAGAGGGTGCCCTGCAACTACC  
CCGGCCAGAAGGTGACGTTCCACGTCGAGGAGGGCTCGAACGCCGTCTACTTGGC  
GGTGCTCGTCGAGTTCGAAGACGGCGACGGCGATGTGGTGCAGGTGGACCTCAT  
GGAAGCCAACCTCTGGGTCATGGACTCCGATGCGCGAGTCCTGGGGATCCATCTGG  
AGGCTGGACTCCAACCACCGGCTGCAGGCGCCCTTCTCAGTGCGCATACCAACG  
AGTCCGGCAGGATGCTGGTGGCCAACCAGGTCATCCCGGCCAACTGGGTGCCCA  
ACACCTATTACCGCTCCATCATCCAGTACTAG

### Nucleotide

>SvEXPB-21

ATAACTGCCAAGAGGCCGTTGCTTTTTTAATGGTGCACGCATGACTACCCGAAGT  
CTCCGTTCTCGCATGATTTGCTCCGGAGCCATGTGACCCCTACCAAAGAACGTC  
GGGTGCAACAGCCCTTGATGGCGATCGCGGCCACTGCGTTCATCGATCGAGTC

TTTTCTCCCCTATAAATACCCCAGCAAGGTGCTCTTCCCCAACCATCCAAAACAC  
CGAATCTTAGTGTCTGCTCGGTAAGTAGCTATACCTTCAGTAGATCTTAAG  
CTTGGAGTAGAATTTGTGTTTGCTGCACTGAGCTAAGATGGCCTCCTCTTCCAAGG  
CTGCAGCATTGCTGCACTGCTCTTCTCCCTCCTTGTCACGTATGGCTCGTGCAC  
CGGCCGGTGAACTTTAAACGAGTCGGACTTCACCGCCGACCCCAACTGGGAGGCCG  
CCAGGGCCACCTGGTATGGGGCACCCACCGGCGCCGGTCCTGACGACGACGGTA  
CGTAATTCTCGGTCATGGCTACGTATGGGTATTGGCGTATTGCTGAATGCCGCATT  
TTTGGACGATTAATAAACTAACTCTGCATGCATGCCCTTGGCGACCCATCTTTTTT  
TGTGCAGGTGGCGCCTGCGGGTTCAAGAACGTGAACCTGCCACCGTTCTCGGCCGA  
TGACGTCCTGCGGCAACGAGCCACTGTTCAAGGACGGCAAGGGCTGCGGCTCCTG  
CTACCAGGTACGTAGACTTTTCCGTCTCTGCCGTGTCGTGGAAAACAGGAAAAGG  
ATACCGATCCGAAAGCTTATTTGAGGTACATGCAGTTGTTGTTTTACTAACTCCA  
TTTGTGCTCCTCTTCTTTCAGATACGATGCACCAACCACGCTGCGTGTCCGGCAA  
CCCGGAGACGGTGATAATCACCGACATGAACTACTACCCCGTCGCCAAGTACCAC  
TTCGACCTCAGCGGCACGGCCTTCGGCGCCATGGCCAAGCCAGGCCGCAACGATG  
AGCTCCGCCATGCCGGCATCATCGACATCCAATTCAAGAGGTGGGTACCATGCAT  
TGCTGCTCGTTGCACAGAGCCGCAGAACAGAATCATTAGCTCGACCGTCTAGCTT  
ACCTGTTCTGTGGAGCCCTTGTACTTTTGTCAACCGATTTTGACGACACGACAGC  
CAGTTTTAAATGGGGGGCTGGGGCCCACGTAGATTTCGCAGAAATATTTAGTACCA  
GTACTTCCAATTCACTCCGAATTTGGAGTCTGCATGCACTGTGGATCGACAAAAGG  
TTGCTTAATTTGAAGCCTAATCCATGTCCAAACGCACCACATGGCTTGTTCCTGCA  
GGGTGCCCTGCAACTACCCCGGCCAGAAGGTGACGTTCCACGTCGAGGAGGGCT  
CGAACGCCGTCTACTTGGCGGTGCTCGTCGAGTTTGAAGACGGCGACGGCGATGT  
GGTGCAGGTGGACCTCATGGAAGCCAACTCTGGGTCATGGACTCCGATGCGCGA  
GTCCTGGGGATCCATCTGGAGGCTGGACTCCAACCACCGGCTGCAGGCGCCCTTC  
TCAGTGCGCATCACCAACGAGTCCGGCAGGATGCTGGTGGCCAACCAGGTCATCC  
CGGCCAACTGGGTGCCCAACACCTATTACCGCTCCATCATCCAGTACTAGCTCAT  
GCATGATCTGGTTCTGCCAACAATAATTCGGTCACTGATAGATTTTCGATTCATTT  
GGTACTATTTTCGTTGTTCCATTGGATTGAGGTGCCTTAATTAGTTAGTAGGTGAGG  
TATCAGGAGTCCGGCTATGCTGGCATCAGTAGGAGTTGTTTGTGTCTGTAAGAGA  
TTGACGTGTGGGAAATAGAGGAGGCAAGTTTGCATGTGCTTTCCCGGCCCACTGT  
CTATGAATGTAATGGTGTGATCAAGGTTTTAAATTATAAACACTGTTTTGTGCACC  
ATTAAGTAAAGGCACCTGCTAAGCTTCGGTTGTATGGAAACGCGAGACCTCACTG  
G