

IDENTIFICATION

Species: *Setaria viridis*

Locus: Sevir.9G333100

Gene Model: Sevir.9G333100.1.p

Description: SvEXPB-26

Family: Beta Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

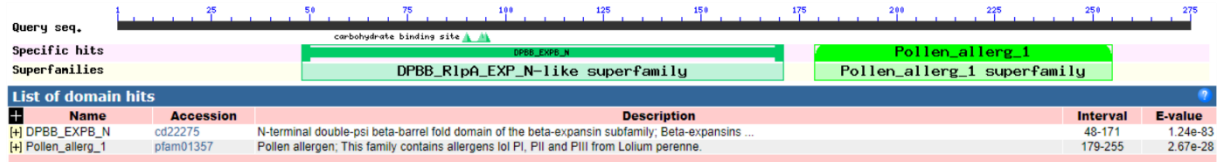
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPB-26

MAAGLSFKAVALLSVLVAYGARAQQQPSNATESQDRSLLSYSGGWLPKATW
YGAPTGAGPDDNGGACGFKHTNQYPFSSMTSCGNPIFKDGKGCSCYQIRCLKSNH
PACSGAPQTVVITDMNYYPVAKYHFDLSGTAFGAMANPGLNDKLRHAGIIDMQFRR
VPCNFPGLTINFVVQHGSNPMYLA VLVEFEDKDGDVVQVDIMQHNSGYWEPMHES
WGSIWRIIDPNRPLQGPYSLRITNESGRQLVAKNVIPANYIPDTNYRSYVQY*

CDS (coding sequence)

>SvEXPB-26

ATGGCCGCTGGGCTCTCCTTCAAGGCCGTGGCGCTTGCCGCGCTCCTCTCCGTGCT
CGTCGCCTATGGCGCTCGCGCTCAGCAGCAGCCGAGCAACGCCACGGAGTCCCA
GGACAGGTCCTTGCTGTCTACAGCGGTGGCTGGCTCCCGGCCAAGGCCACCTGG
TACGGCGCGCCCACCGGCGCCGGCCCCGACGACAACGGCGGTGCGTGCGGGTTC
AAGCACACCAACCAGTACCCCTTCTCGTCCATGACTTCCTGCGGCAACGAGCCCA
TCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTACCAGATTCGATGCCTCAAGAG
CAACCACCCTGCCTGCTCCGGCGCGCCGCAGACGGTGGTCATCACCGACATGAAT
TACTACCCGGTGGCCAAGTACCACTTCGACCTCAGCGGGACGGCGTTCGGCGCCA
TGGCCAACCCAGGCCTCAACGACAAGCTCCGCCACGCCGGGATCATCGACATGC
AGTTCAGGAGGGTGCCGTGCAACTTCCCGGGCCTGACCATCAACTTCGTCGTCCA
ACACGGCTCGAACCCCATGTACCTGGCGGTGCTCGTCGAGTTCGAGGACAAGGAC
GGCGACGTGGTGCAGGTGGACATCATGCAGCACAACCTCCGGCTACTGGGAGCCG
ATGCACGAGTCTGGGGATCCATCTGGAGGATCGACCCCAACCGCCCGCTCCAGG
GCCCTTACTCGCTGCGCATCACCAACGAGTCCGGCAGGCAACTCGTCGCCAAGAA
CGTCATCCCGGCCAACTACATCCCCGACACCAACTACCGCTCCTACGTCCAGTAC
TAA

Nucleotide

>SvEXPB-26

TCGAAACACAAACCAGACAGCAGGTGCCAGTGCCAAGCAGCAGCTAGCTAGTAG
TTCCATTTCGGTCCTAGCTAGTGCAGGCATGGCCGCTGGGCTCTCCTTCAAGGCCGT

GGCGCTTGCCGCGCTCCTCTCCGTGCTCGTCGCCTATGGCGCTCGCGCTCAGCAGC
AGCCGAGCAACGCCACGGAGTCCCAGGACAGGTCCTTGCTGTCCTACAGCGGTG
GCTGGCTCCCGGCCAAGGCCACCTGGTACGGCGCGCCCACCGGCGCCGGCCCCG
ACGACAACGGTATGGACCAAGATACCTCTCCGCGTGTCTCATCAGCAATTTGTTGT
CCGGTCCTGGGCAATGTGGCATTGTGGCTCATCCTGTGCCGTGTCTTGGTGCTGAA
TCTTTGCCAGGCGGTGCGTGCGGGTTCAAGCACACCAACCAGTACCCCTTCTCGT
CCATGACTTCCTGCGGCAACGAGCCCATCTTCAAGGACGGCAAGGGCTGCGGCTC
ATGCTACCAGGTGCGTTGCGTACTGATCCGGTTTCGCCATGGCGCCGATCGCCAT
GCACGATTATAGCAGTTGGTGCCCCGGTCATTTTATTTGGTTGGTCAAATAAAGAT
GCCAGTTAGCGTCCGCAGCGCCACAGGTTGCTCATCTTTATGATGGGCAGCTAGC
TAGGCTAGGACTAGGAGTACGTGCACCCGTTGACCTTGTGCTTGGCTTCCTCCAG
ATTCGATGCCTCAAGAGCAACCACCCTGCCTGCTCCGGCGCGCCGCAGACGGTGG
TCATCACCGACATGAATTACTACCCGGTGGCCAAGTACC ACTTCGACCTCAGCGG
GACGGCGTTTCGGCGCCATGGCCAACCCAGGCCTCAACGACAAGCTCCGCCACGC
CGGGATCATCGACATGCAGTTCAGGAGGGTGCCGTGCAACTTCCCGGGCCTGACC
ATCAACTTCGTCGTCCAACACGGCTCGAACCCCATGTACCTGGCGGTGCTCGTCG
AGTTCGAGGACAAGGACGGCGACGTGGTGCAGGTGGACATCATGCAGCACA ACT
CCGGTACTGGGAGCCGATGCACGAGTCCTGGGGATCCATCTGGAGGATCGACCC
CAACCGCCCGCTCCAGGGCCCTTACTCGCTGCGCATCACCAACGAGTCCGGCAGG
CAACTCGTCGCCAAGAACGTCATCCCGGCCAACTACATCCCCGACACCAACTACC
GCTCCTACGTCCAGTACTAACTGCTCGCGTCGATCGATCAGATAGCCGCATGATG
AGCTCCATCATCGGCTTAAGTGTTCTCGCTTAGTGGTGGCCGGCCGTTGTTGGCAA
TTGCGCTGAGGATTTTTACCTCAGTTCCATTGTTGGTGTGTGTGTGTGTGTGTGCC
TGAAGATTTGTGGGAAATTAGAGGAGGCAAGCATCAATGTGCTCTCCCGCCACT
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GTGCTGCTATTTAACTAGCATGCTGTCTGAAAAGCAGGACTCCCTGCCTTTTGAGC
ATTCAGCTTATTCACTACTCCTGTACTCCGGAAA