IDENTIFICATION

Species: *Setaria viridis*

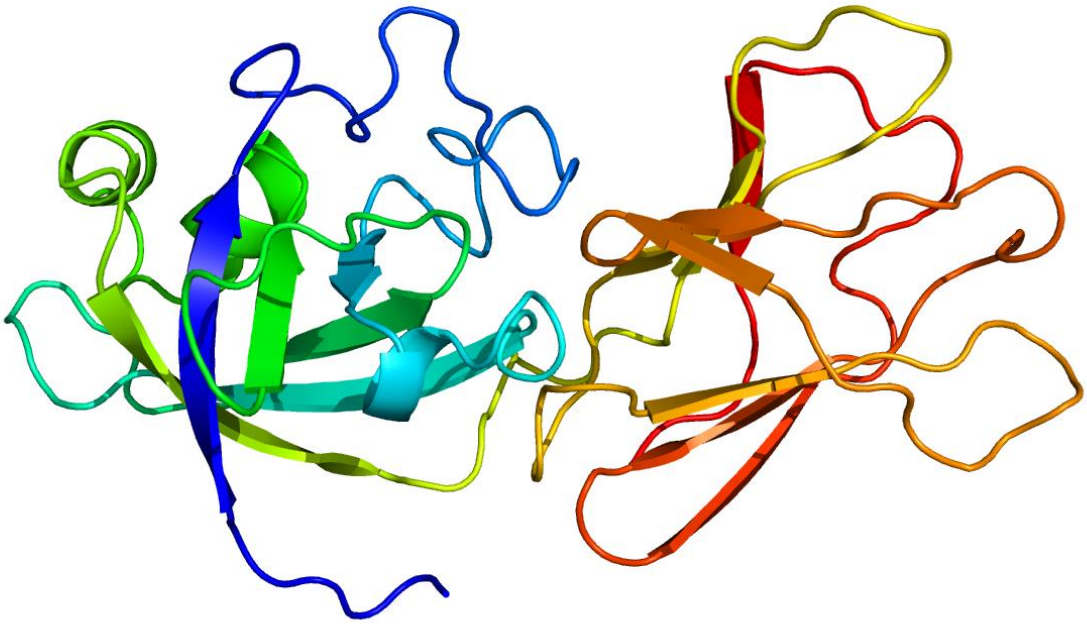
Locus: Sevir.8G199200

Gene Model: Sevir.8G199200.2.p

Description: SvEXPB-13

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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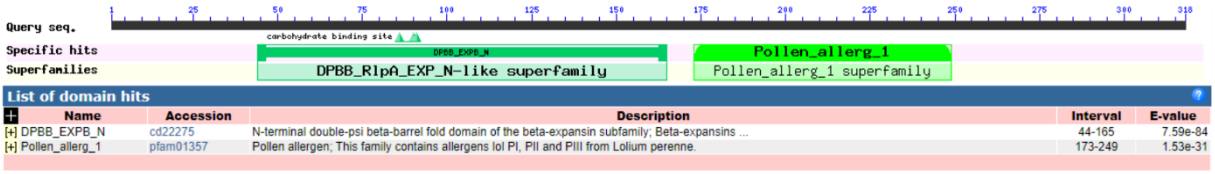
GENE STRUCTURE

DOMAIN ARCHITECTURE



List of domain hits

Name	Accession	Description	Interval	E-value
[+] DPBB_EXPB_N	cd22275	N-terminal double-psi beta-barrel fold domain of the beta-expansin subfamily; Beta-expansins ...	44-165	7.59e-84
[+] Pollen_allerg_1	pfam01357	Pollen allergen; This family contains allergens lol PI, PII and PIII from Lolium perenne.	173-249	1.53e-31

SEQUENCES

Peptide

>SvEXPB-13

MASMIASSKMIALRALIFLLLVLYGSCTRIVNFNASHITADPYWVAARATWYGAPTG
AGPYDNGGACGFKNVNLPPFSAMTSCGNQPLFKDGKGCGSCYQIRCLNHPACSGNP
ETVAITDMNYYPVAKYHFDLSGTAFGALAKPGRNDELRHAGIIDIQFKRVPCIYPGQ
MVTFHIEHGSNPNYLAVLVEFEDGDGDVVQVDLMEANSGWWTPMRESWGSIWRLD
TRRPLTAPFSLRITNESGQKLVAYQVIPANWAPNTYYRSNIQYQAFSSDDGLDIGSAA
GLVISSAAGLDTKILGVIGLICLVLSRLHGTDVP*

CDS (coding sequence)

>SvEXPB-13

ATGGCATCCATGATCGCCTCGTCCAAGATGATTGCACTTCGTGCACTGATCTTCCT
CCTCCTTGTCTTGTATGGCTCATGCACTAGGATCGTCAACTTCAATGCCTCCCACA
TCACCGCAGACCCCTACTGGGTGGCTGCCAGGGCAACTTGGTATGGTGCGCCAAC
CGGCGCTGGCCCCTATGACAATGGTGGAGCTTGCGGGTTCAAGAACGTGAACCTG
CCTCCTTTCTCGGCCATGACGTCATGCGGCAACCAGCCCCTGTTCAAGGATGGCA
AGGGCTGCGGCTCGTGCTACCAGATAAGATGCCTCAACCACCCTGCATGCTCCGG
CAATCCGGAGACGGTGGCAATCACTGACATGAACTACTACCCAGTCGCCAAGTAC
CACTTTGACCTCAGCGGCACGGCGTTTGGTGCCTTGGCAAAGCCCGGCCGCAATG
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CAACGAGTCTGGCCAGAAGCTGGTGGCTTACCAGGTCATCCCGGCCAACTGGGCG
CCCAACACCTACTACCGCTCCAACATCCAGTACCAGGCTTTTAGCTCTGATGATG
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GACTGATGTGCCGTAG

Nucleotide

>SvEXPB-13

GGATACGGAAGCGATCCAGGCCGTCCACTCCGACTCCGAATCGCAGACCGAACG
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