

IDENTIFICATION

Species: *Setaria viridis*

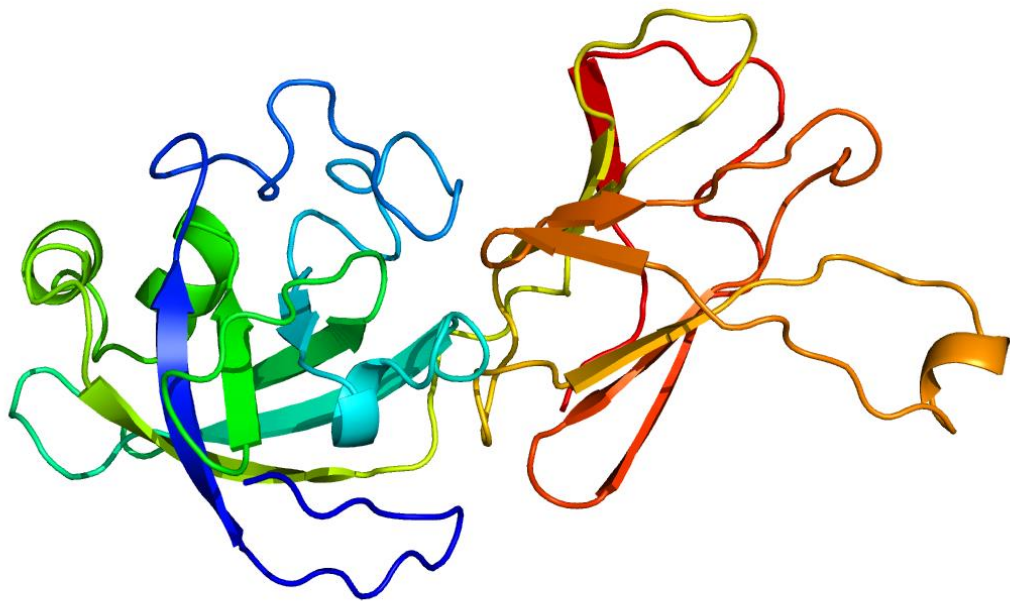
Locus: Sevir.9G580900

Gene Model: Sevir.9G580900.1.p

Description: SvEXPB-29

Family: Beta Expansin

3D structure:



GENOME DATABASES

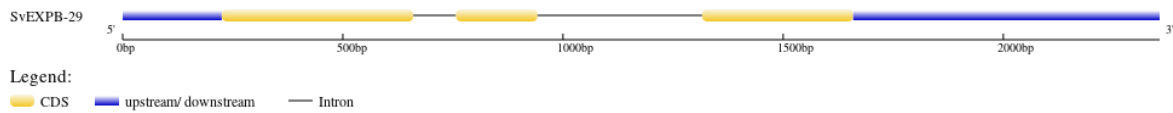
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

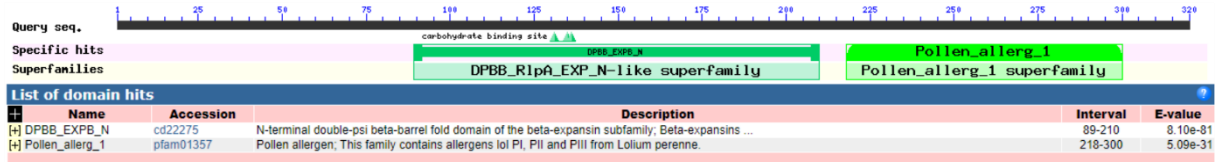
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPB-29

MASSYKQKQRAVAAALLFLLVAHASCSTKQHKSSKQHKAAAPIPTTPPATAPTTTP
 PPPSSYSSPPSGGGYPPANNGSGADSGSAGGWLNARATWYGAPNGAGPDDNNGACG
 FKGVNMPPFSAMTSCGNEPLFKDGKGCSCYQIRCLAHACSGIPETVIITDMNYYPV
 APYHFDLSGTAFGAMAKDDRNDLRHAGIIDIQFKRVACQYPGLTVTFHIERGSNPN
 YLAVLVEYSNGDGDVVQVDLMESRAEDGEPTGVWPEMRESWGSIWMDTRRPLQG
 PFSLRVTNESGKTLVADNVIPADWQPDNVYSSIVQFD*

CDS (coding sequence)

>SvEXPB-29

ATGGCCTCCTCCTACAAGCAGAAGCAGCGTGCCGTCGCGGCCGCGCTGCTCTTCC
 TGCTGGTGGCTCACGCCAGCTGCTCCACCAAGCAGCACAAAGAGCAGCAAGCAGC
 ATAAGGCCACGCGCCCTATTCCAACGACGCCGCCGGCGACGGCTCCAACAAC
 GACCCCTCCTCACCATCGAGTTACTCCAGTCTCCAGCGGCGGGCGGCTACCCG
 CCGGCCAACACGGCAGCGGCGCCGACTCAGGTAGTGCTGGGGGGTGGCTGAAC
 GCCCGCGCGACGTGGTACGGCGCCCCAACGGCGCCGGCCCCGACGACAACGGC
 GGCGCCTGCGGGTTCAAGGGCGTCAACATGCCGCCCTTCTCGGCCATGACATCCT
 GCGGGAACGAGCCACTCTTCAAGGACGGCAAAGGATGCGGATCATGCTACCAGA
 TCCGGTGCTTGCCACCCCTGCTTGCTCCGGCATCCCCGAGACGGTGATCATCAC
 AGACATGAATACTACCCGGTGGCCCCCTACCACTTCGACCTCAGCGGCACGGCC
 TTCGGCGCCATGGCCAAGGACGACCGCAACGACGAGCTCAGGCACGCGGGAATC
 ATCGACATTCAGTTCAAAGGGTTGCTTGCCAGTACCCTGGTCTGACGGTTACGT
 TCCACATCGAGCGCGGTTCCAACCCCAACTACCTGGCGGTGCTGGTGGAGTACTC
 CAACGGCGACGGCGACGTGGTGCAGGTGGACCTGATGGAGTCGCGGGCCGAGGA
 CGGGGAGCCACGGGCGTGTGGGAGCCCATGCGCGAGTCCTGGGGGTCCATCTG
 GCGGATGGACACGCGGCGACCGCTGCAGGGGCCCTTCTCGCTGCGGGTCAACAA
 CGAGTCCGGCAAGACGCTGGTGGCGGACAACGTCATCCCCGGCGGACTGGCAGCC
 AGACAACGTCTACAGCTCCATCGTCCAGTTCGACTAG

Nucleotide

>SvEXPB-29

CAGCCAGGCGCATGTGAAGTGAGCGAGTGGCCACCCGTGGGCGATGGACGATGG
ACGACGACGCCTCCCGTGCCCCACTCGATCTGATGATGATCCAACAAGCTAGCTA
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CAGGCCAATCCTCCATCATCATCATCATCATCATCTCATCCCAATACATA
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CCAATCTCTTCCACAATGTGTATGGACACGCACGTGTGTGTACATGTGGTGTGA
GTGTGAAGTGTGTTAGTTGTGTGCGTCCTTGTTGTACCTTAAAAAAATTAATTTGT
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CCTACAGCTCATTACGCCGTTGTCATTCTCCGAGTCCC