

IDENTIFICATION

Species: *Setaria viridis*

Locus: Sevir.9G332000

Gene Model: Sevir.9G332000.1.p

Description: SvEXPB-19

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

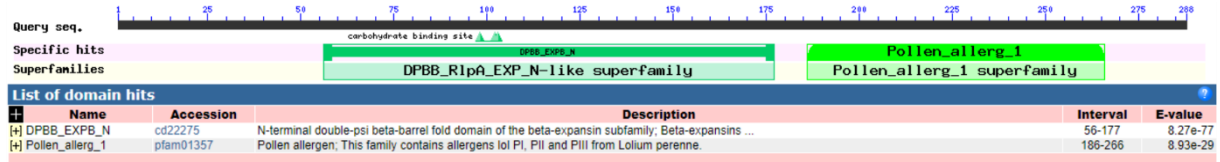
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPB-19

MGVPSLPSAAAAALVLLALLAGGHCREAQLDTGDHDAAGTENYNASDAAVYWGP
WQKARATWYQGPNAGPDDNGGACGFKHTNQYPFMSMGSCGNQPLFKDGKCGS
CYKIRCTKDKKSCSGKAETVIITDMNYYPVSKYHFDLSGTAFGRRLAKPGLNDKLRHSGI
IDIEFTRVPCEFPGLKIGFHVEEYSNPVYFAVLVEYEDGDGDVVQVDLMESKTAHGPP
TGRWTPMRESWGNVWRMDTNHRMQAPFSIRIRNESGKTLVAHNVIPANWRPNTFY
RSFVQYS*

CDS (coding sequence)

>SvEXPB-19

ATGGGAGTCCCCTCCTCCCTCCCCTCCGCCGCCGCGGCGGCGCTCGTGCTCCTGGC
CCTCCTCGCCGGCGGGCACTGCCGCGAGGCCAGCTCGACACCGGGCGACCACGA
CGCGGCCGGCACCGAGA ACTACAACGCCAGCGACGCCGCCGTGTACTGGGGCCC
CTGGCAGAAGGCCCGGGCCACCTGGTACGGTCAGCCCAACGGCGCAGGCCCCGA
CGACAACGGTGGTGC GTGCGGCTTCAAGCACACCAACCAGTACCCGTT CATGTCT
ATGGGCTCCTGCGGCAACCAGCCATTGTTCAAGGACGGCAAGGGCTGCGGCTCCT
GCTACAAGATTTCGTTGCACCAAGGACAAGTCCTGCTCCGGCAAGGCGGAAACGG
TGATCATCACCGACATGAACTACTACCCGGTGTCCAAGTACCACTTCGACCTCAG
CGGCACGGCGTTCGGCAGGCTCGCCAAGCCC GGCTCAACGACAAGCTCCGCCA
CTCCGGCATCATCGACATCGAGTTCACCAGGGTGCCGTGCGAGTTC CCGGGCCTC
AAGATCGGGTTCACGTGGAGGAGTACTCGAACCCCGTCTACTTCGCGGTACTCG
TCGAATACGAGGACGGCGACGGCGACGTGGTGCAGGTGGACCTCATGGAGTCGA
AGACGGCGCACGGCCCGCCGACGGGGCGGTGGACGCCGATGCGCGAGTCCTGGG
GCAACGTCTGGCGCATGGACACCAACCACCGCATGCAGGCGCCCTTCTCGATCCG
CATCCGCAACGAGTCCGGCAAGACGCTCGTCGCCCAACGTCATCCCGGCCAAC
TGGAGGCCCAACACCTTCTACCGCTCCTTCGTCCAGTACAGCTGA

Nucleotide

>SvEXPB-19

GACTGAGCCCACAGCCCAGGCCATGTGCGCCCCAACATGGCACGTTCTCCCTCGC
TCCTTCTGCTCACACTGCGTACACACTACACACGCAGGAGGGCTCCCGGCCCGGC
TCTCCCCCATTCTCGCTCGTTCGCGTGCCGGTGCCCATCTGGCTTATAAATAGGC
CCACACGGCACCTCGGCCACCACCACCACCTTGCTCGCACTCTTCACTCACT
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CTCTCGAATCTTGCTAGGTGGTGCGTGCGGCTTCAAGCACACCAACCAGTACCCG
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AAATGATAAAGAAAAAAAATAGAGTAGTAGTAGGAGTAACTGTTAAGGTAGGAC
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CAACGACAAGCTCCGCCACTCCGGCATCATCGACATCGAGTTCACCAGGTCTGTT
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CGGTCCGGTCTTCTTCTGATCTCTACCACAACACTACTACCACTAGACTACTACTA
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CGGTGATTAATCGAAAAAGTATATTGTAATGTATAAACGCCATTTCCCAGCTTG
GGCAGACCAGGGATTTCCCCTGTTTTGGTT