

IDENTIFICATION

Species: *Setaria viridis*

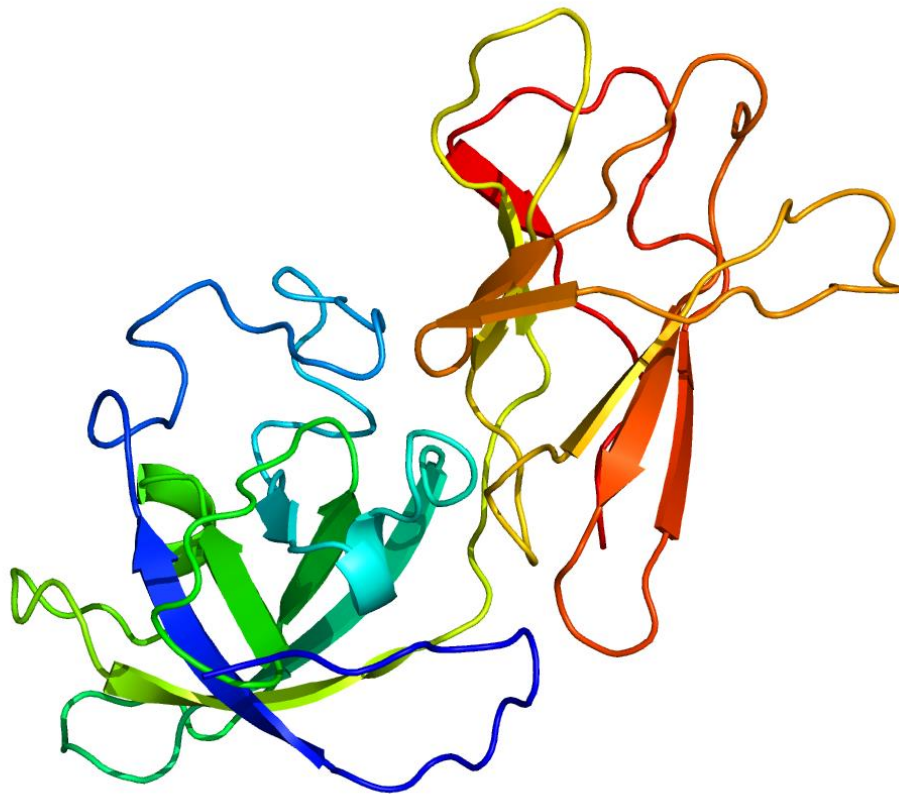
Locus: Sevir.4G006000

Gene Model: Sevir.4G006000.1.p

Description: SvEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

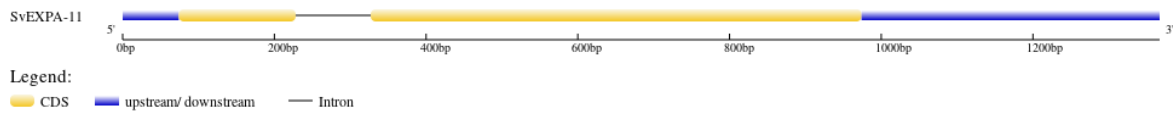
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

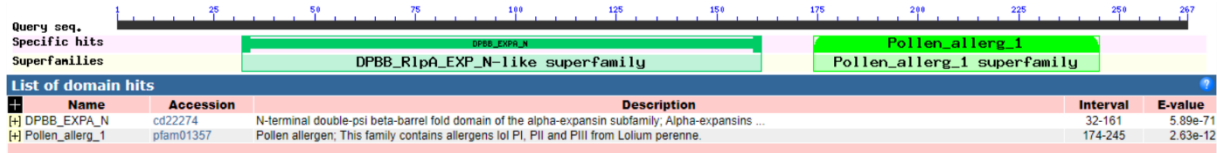
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-11

MATTPAIMVALIVAAAQVASAYYQQPFKTSDWQDAHATFYGDDSGLGADFGGAC
GFGANDIVSLYSTYTAALSTPLFADGNCGCQCYEIRCVNSRWCNPGSPTVTVTGTNL
CPPNWYLPDNGGWCNPPRQHFDMAPPSFYRLAQRVAGIIPVQFRRVPCQRPGGVRL
CLQGNNYWLLVYVMNVAGAGDVSSLA VKRAGEPDCNYRHAGRNWGTTYQVFGVL
GNTQGLVVRMTSYSSPQQTIVVSDAIPAGWITGLCYQGSNNFY*

CDS (coding sequence)

>SvEXPA-11

ATGGCGACA ACTCCAGCGATCATGGTGGCATTGATCGTGGCAGCGGCGGCAG
GTGGCGAGCGGTACTACCAGCAGCCCTTCAAGACGTCCGACTGGCAGGACGCC
CACGCCACCTTCTACGGCGACGACTCCGGCCTCGGAGCAGACTTCGGCGGCGCGT
GCGGGTTCGGCGCCAACGACATCGTGTCTCTACTCGACGTACACGGCGGCGCT
GAGCACGCCGCTGTTCCCGACGGCAACGGGTGCGGGCAGTGCTACGAGATCCG
GTGCGTCAACTCCCAGGTGGTGCAACCCCGGCTCGCCGACGGTGACCGTCACCGGC
ACCAACCTCTGCCCGCCA ACTGGTACCTCCCAGCGACAACGGCGGGTGGTGCA
ACCCGCCGCGGCAGCACTTCGACATGGCGCCGCCCTCCTTCTACCGCCTCGCCA
GCGGGTCGCCGGCATCATCCCCGTCCAGTTCGCCCGCGTGCCCTGCCAGAGGCCA
GGCGGGGTCAGGCTCTGCCTCCAGGGCAACA ACTACTGGCTCCTCGTCTACGTCA
TGAACGTCGCCGGCGCAGGCGATGTCTCCTCCCTGGCCGTCAAGAGGGCCGGCGA
GCCAGACTGCAACTACAGGCACGCAGGCCGCAACTGGGGGACCACGTACCAGGT
CTTCGGCGTGCTCGGCAACACGCAGGGGCTCGTCGTCAGGATGACCAGCTACAGC
TCGCCGACGACACCATCGTCGTCAGCGACGCCATCCCCGCCGGATGGATCACCG
GACTCTGCTACCAGGGATCCAACA ACTTCTACTGA

Nucleotide

>SvEXPA-11

GTTCGTTGCAGTGCCACACACATCGCCGTTATCCATCCATCGATCAAGACCTAGC
TAGCCGTTGTCGGCGAGCCATGGCGACA ACTCCAGCGATCATGGTGGCATTGATC
GTGGCAGCGGCGGCGCAGGTGGCGAGCGCGTACTACCAGCAGCCCTTCAAGACG
TCCGACTGGCAGGACGCCACGCCACCTTCTACGGCGACGACTCCGGCCTCGGAG

CAGACTTCGGTATGTATTGTTGTGTTGTGTGTATATATACGTATATGCATGCGTAT
GTGTATATACTGTACATACGATCATCATCAATGCTGCCAATGCAACTTACAGGCG
GCGCGTGCGGGTTCGGCGCCAACGACATCGTGTCTCTCTACTCGACGTACACGGC
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GATCCGGTGCCTCAACTCCCGGTGGTGCAACCCCGGCTCGCCGACGGTGACCGTC
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CGGCGAGCCAGACTGCAACTACAGGCACGCAGGCCGCAACTGGGGGACCACGTA
CCAGGTCTTCGGCGTGCTCGGCAACACGCAGGGGCTCGTCGTCAGGATGACCAGC
TACAGCTCGCCGCAGCAGACCATCGTCGTCAGCGACGCCATCCCCGCCGGATGGA
TCACCGGACTCTGCTACCAGGGATCCAACAACCTTCTACTGATTAATCAATTGCCT
GACGAGCTGATGATGATCCAGGGGCCGCCCGGCGATCGATCGATCGATCAAAG
CTGCTACTAGCTGGAGTTCAAATTTTTTTTTGGATATACATGCACATGCACCTGCT
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