IDENTIFICATION

Species: *Setaria viridis*

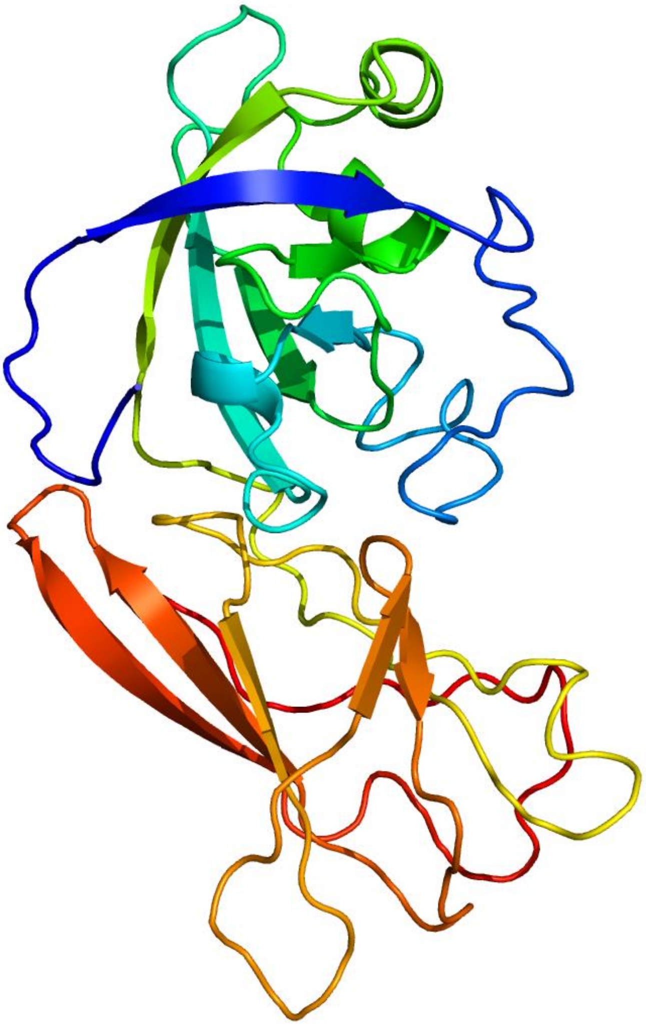
Locus: Sevir.2G322800

Gene Model: Sevir.2G322800.1.p

Description: SvEXLA-01

Family: Expansin Like Alpha

3D structure:



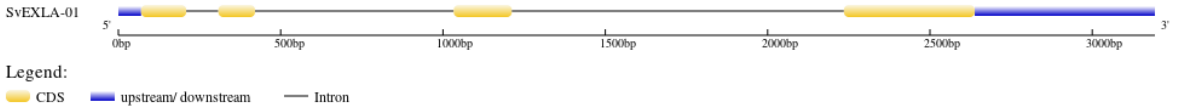
GENOME DATABASES

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

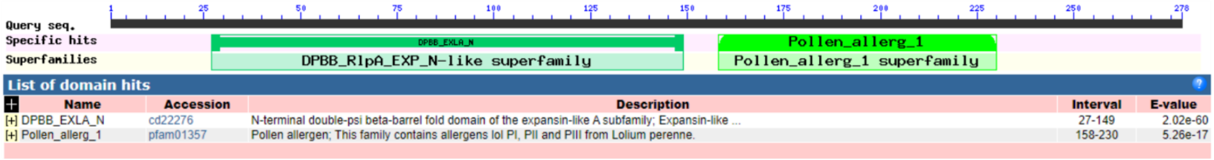
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



Name	Accession	Description	Interval	E-value
[+] DPBB_EXLA_N	cd22276	N-terminal double-psi beta-barrel fold domain of the expansin-like A subfamily; Expansin-like ...	27-149	2.02e-60
[+] Pollen_allerg_1	pfam01357	Pollen allergen; This family contains allergens lol PI, PII and PIII from Lolium perenne.	158-230	5.26e-17

SEQUENCES

Peptide

>SvEXLA-01

MGVFLCCLLALLVSSCSAGAGASAAGERCVRQGKAAYAPSLSPLPQGSGVCGYGAM
AAEINGGFLAAGGPRQHRGGLGCGRCFQMRCRDARLCSSRGVRVVLTDFHRSNRTD
FLLGGPAFAGLAKPGVAHELKRLDALSVEYKRIPCDYKDKNLSILVEEGSKSPSNLVV
KFLYQGGQTDILAVDVAPVGSSEWRFMTRVHGPVWRTDRAPAGPLQFRAVVTGGY
DGKWVWAEREVLPAGWRPGQVYDTGVRIADVARDGCQRCVGGAASAAALDWK*

CDS (coding sequence)

>SvEXLA-01

ATGGGCGTCTTCCTCTGCTGCCTCCTGGCGCTCCTCGTCTCCTCCTGCTCCGCCGG
CGCCGGCGCATCCGCCGCCGGCGAGAGGTGCGTGCGGCAGGGCAAGGCGGCCTA
CGCGCCCTCGCTGTCCCCGCTCCCTCAAGGCAGCGGAGTCTGCGGGTACGGCGCC
ATGGCCGCGGAGATCAATGGGGGCTTCCTCGCCGCCGGGGGGCCCAGGCAGCAC
CGGGGAGGGCTCGGCTGCGGGAGATGCTTCCAGATGAGATGCAGAGATGCAAGG
CTGTGCAGCAGCAGGGGAGTGCGGGTCGTGCTCACCGACTTCCACAGGAGCAAC
CGTACTGACTTCCTGCTCGGCGGGCCCGCCTTCGCGGGCCTGGCCAAGCCCGGGG
TGGCCCACGAGTTGAAGAGGTTGGATGCTCTCTCCGTAGAGTACAAGAGAATCCC
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TCCAAGCAACCTGGTCGTCAAGTTCCTGTACCAGGGCGGCCAGACCGACATCCTG
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GCCGTGGTCACCGGCGGGTACGACGGCAAGTGGGTGTGGGCCGAGCGGGAGGTG
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CGCTGGACTGGAAGTGA

Nucleotide

>SvEXLA-01

GCAGCCGCATGTGCTAGCCAGAGGCAGGTCACAGTCTCCTCTTCTCCCTCTACTG
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