

IDENTIFICATION

Species: *Setaria viridis*

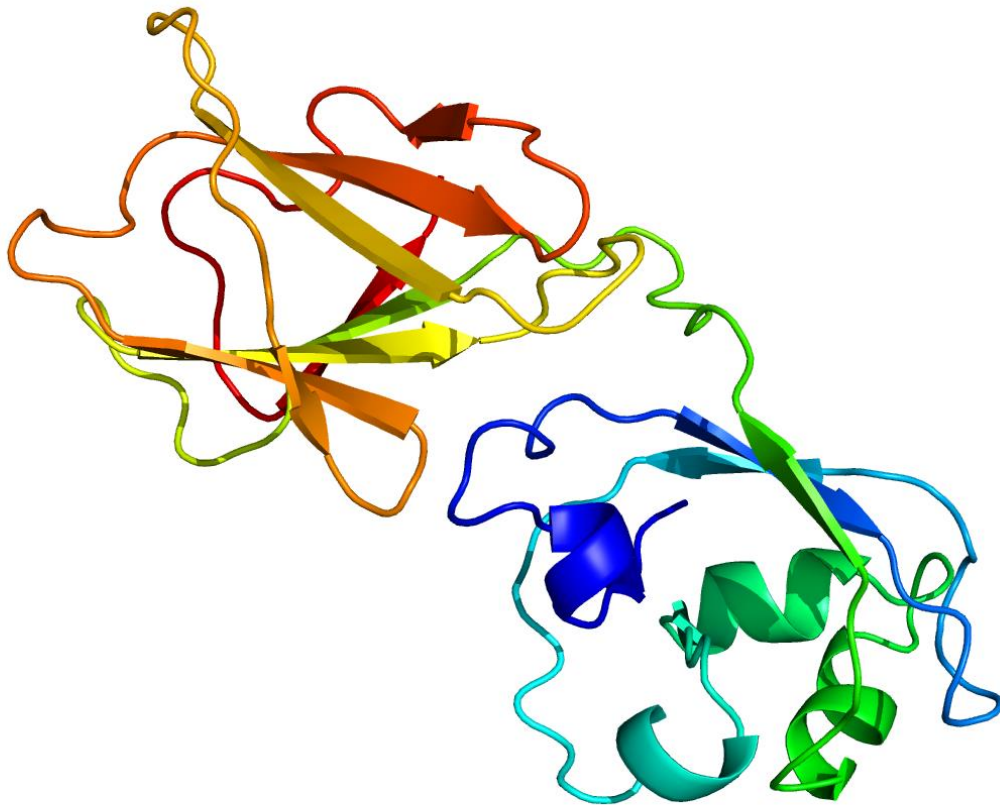
Locus: Sevir.9G155700

Gene Model: Sevir.9G155700.3.p

Description: SvEXPB-16

Family: Beta Expansin

3D structure:



GENOME DATABASES

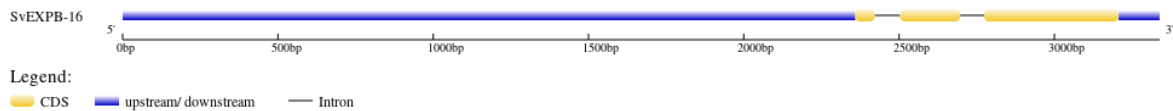
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

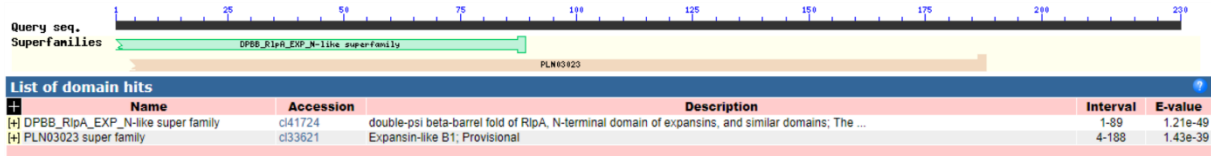
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPB-16

MIAAGCSSIYDSGKGCYQVVCTGNGACSGNPVTVVITDECPDCPCPDDQVHFDM
SGTAFGAMAKPGQEGQLRGAGSIQIQYTRVQCEWPGVNFVSVESGSSPSYLA VLIE
YEDGSDDLDAVDIMQGGSGQWVPMQQSWGAVWKLNSASPLQGPDIRLTFSSGRVL
VASNAIPAGWNAGVAAYRSGGVAVARARPRSGGCRSHDAAGTSLGLVYVLLLVLFV
GLEL*

CDS (coding sequence)

>SvEXPB-16

ATGATCGCCGCTGGCTGCTCTTCCATCTACGACTCTGGCAAGGGCTGTGGTTCTTG
CTATCAGGTGGTGTGCACTGGCAATGGTGCTTGGCTCTGGTAACCCGGTGACTGTT
GTCATCACCGACGAGTGCCCTGACTGCCATGCCCGGATGACCAGGTGCACTTCG
ACATGAGCGGGACAGCGTTTGGTGCCATGGCGAAGCCCGGCCAGGAAGGCCAGC
TTCGTGGCGCCGGCTCCATCAAATCCAGTACACACGTGTGCAGTGCGAGTGGCC
TGGAGTGAACGCCACCTTCTCCGTGGAGTCCGGGTCCAGCCCGAGCTACCTGGCC
GTGCTCATCGAGTACGAGGACGGCGACAGCGACCTCGACGCCGTGGACATCATG
CAGGGCGGGTCCGGGCAGTGGGTGCCGATGCAGCAGTCGTGGGGCGCCGTGTGG
AAGCTGAACCTCGGCTTCAACCCTCCAGGGCCCCTTCGACATCCGCCTGACGTTCA
GCTCCGGCAGGGTGTCTCGTCCGACGCAACGCCATAACCCGCGGGCTGGAACGCCG
GCGTGGCGTACCGGTCCGGTGGCGTGGCGGTGGCGAGGGCCAGGCCAGGAGCG
GTGGCTGCCGGAGCCACGACGCTGCCGGGACACTCAGCGGGCTGGTGTATGTCTT
CTACTTGTGTTGTTTGTGGGATTGGAGTTGTGA

Nucleotide

>SvEXPB-16

CTTTTCGAGCATAAACCTGTTCCCCCTCCCTCGCTCAACCTCCAGTCTCCGCTCC
CCGCCACCCCATCGCTCGCTCCTCTGCTCCTCCTCGCGCCGCGGGCGGCCGCCCGG
CCGCCGCCACCCACATTCAACGAAATCCACCTCTACTCGGGATAACAACAGTGCC
ATCGCAGCCGCTTCTCCACTTCCCGGTCCGGACCCCAAGTGCCAAGCCCCAGG
CCCCGACGCCGACCGCTCGTCCGCTGCGCGCAACGCGTCCCCGGCCCCGGGCGGC
GGGAATCCGCAGGCCGGCTCTAGCTAGGTCCGCCGCTGGTACAGCTAGCGCGCTC

GAGCCTCGAGGCTCGCCTTTTGCTGGATTCTTGCCTGACCTTTGCCGGCATTGTTGGT
GCCCGCTGCAGGCAGCGGGCGCCGGCGAGGAGCGTGCGCGTTGCTGCGGTGGGAG
ACGGCTGGGACGGCGGCCGCTCGGGCTGGTGGCGTGCGCGTGGCCGCGTCCGGG
CGTTGCAGCTTCGTGCTCTACACTGCTTTTACTGTTAGTATCTACAGCCTACAGG
TAATTCTCCTCTGTTGTTGCTGCTGCTGCGAGAAATTTATATTTTGGACACCGTAA
ACACGTGGCTTCGCATATTTAGCACTCTAAAGATTGGCTGCGCAAATTTGACACC
CACAACATTGACACATTGATTTACTTGACATTAGACCTCTTTAATGATTTTATTTT
TTTCTTTTCCATTTATTGGATTGTGAAAGGACTAAACTACCCCTTGGTTTGTGTAA
GTACCTCTCTACCTCTAGTTCTCTGGTTCGATCAAATCAACCTGTCTACCTCTAGT
TCTCTGGTTCGATCAAATCAACCTTGGCTTTATGTACGTGTTCTTATATTGAGTTGG
GGATAGTAGTTAATTCAGACCACGGCCGCTTCAAGGCCGGCGGGTAACACTTTTG
GAATTCTCTGCGTCATCTCAGCTATTGTCGCTTTAACCGCTTTTCAAATGAAGT
ATCAAGTTCCACTGTATCAGATATTCAGATATGACTTGCGGACTTGTAACTTGTAA
AGTAGGCAGTATGGGATCCTGACCATTCTGGGACAAATTGTGCATTCAGCTGAT
AAAAGATGCTTGTACGTGGCATCTACAGATCCAAAGCCACCGCATAGTTTGTCT
CTAAACTGCATCTACAGATGCAATCCTGAACGAATCTAGTCTTCGCAGAACTATG
GTTAGAAAAGGTCTGGATTGACTCTGTTCAATGTAAAGGGTCGAGGTGGTGAATG
TCAAGTTCTTATCTCAGTTAGTGACCAAACCTACCTCTGACCAGTGAAGTTTTTTT
TTCAAAGAGTTGCCGAATAAAGTTATGAAGTTTTGGACATAATGATTCGTGTGA
CTGTATCATGTGACCTATCATAGAGGCAAGGTGATAGTACAGTATAGCATTATCA
CAAGAATGCAAGGAGCATCCAGTCTTACGAAATTTGACTCCATAATTCATCATA
TCAGCTTTGGTAGTGTTAGGTATAATTAATTTAACCGTTTTAATTTTCATCACTT
AAGGATGCTTGTGTGGTCCATTGGATTAAATACTACTCCCTCCGTCCCAAATTAC
TATTCGTATAAGTTCTCCCTGGTTAAAAGAAGAAAAGAAAATGTAAGTTCTGAGT
AGCAACTCAGGACCTCATGCCAGCATTCTGATCTGATGAGCACATGATGCCTTCT
CATACCTACTTGGTTTGAATAACATCATTAGCAACTCAAATTTCTCCCAAATTTA
CTCCCAGTTGGCAATTGGCATGCTGTTTGGTCATGATTAGACCGATGCATTCTGGA
TTAGAAAATGCACTGCCAAATCCTGTAACCTCTCCCAAGGAGAGCAGCTGAC
TGTTCTTGATCATCTATGTCCTTATGCAAACCTGTCCATCACACAGTGAAAATAGCG
CTTCTATTATCTAGTCTTCTCTCTCTCGCCGCCCTCTGTGTGCAATTCCACAATGTC
TTTGACCTTATCAGCCGTGGCTACATGTACAGGGTGCAGTGTATGGCTTCCAAG
ATCCATCCGTTGTCTTTCATTGCCATCACAGCTCTTGCCTTTCTTCTCCACCCTTGT
GCATCCATTGAGTTCCGCCGTGAGCTCTCTGGTTGGTCCAATGGTATCGCTACATG
GTATGGCACAGCTGATGGTGCAGGAAGTGACGGTAAGAGATCATCTAAAAGTCA
ATCACATGCTGTAGCTCTTCAAACAGAATGATGTAGCTGGTGTGTGTTTGTAAA
GTAACCTGCTTGAATTTTTTCGATCACATGTTGTAGCTGGTGCAGTGTGGGTCCAGA
ATGATGTTGACCAGCCACCATTCTCCTCCATGATCGCCGCTGGCTGCTCTTCCATC
TACGACTCTGGCAAGGGCTGTGGTTCTTGCTATCAGGTACCTTAGCAGTTGAGAG
ATAGTGTGTTAACGAACGGTTGTGCATTGTCTGCGATTTGACATTTGAAGATTATT
CATCAGGTGGTGTGCACTGGCAATGGTGTCTGCTCTGGTAACCCGGTGACTGTTG
TCATCACCGACGAGTGCCCTGACTGCCATGCCCGGATGACCAGGTGCACTTCGA
CATGAGCGGGACAGCGTTTGGTGCCATGGCGAAGCCCGGCCAGGAAGGCCAGCT
TCGTGGCGCCGGCTCCATCCAAATCCAGTACACACGGTACCCGCACAAGCCTGTT
TGCTTACTGTAAAGAGATTTTCAGTTCTATAAACGCCAATCTCTACCCTACTGTAC
AGTGTGCAGTGCAGTGGCCTGGAGTGAACGCCACCTTCTCCGTGGAGTCCGGGT
CCAGCCCAGCTACCTGGCCGTGCTCATCGAGTACGAGGACGGCGACAGCGACC
TCGACGCCGTGGACATCATGCAGGGCGGGTCCGGGCAGTGGGTGCCGATGCAGC

AGTCGTGGGGCGCCGTGTGGAAGCTGAACTCGGCTTCACCCCTCCAGGGCCCCTT
CGACATCCGCCTGACGTTTCAGCTCCGGCAGGGTGCTCGTCGCCAGCAACGCCATA
CCCGCGGGCTGGAACGCCGGCGTGGCGTACCGGTCGGGTGGCGTGGCGGTGGCG
AGGGCCAGGCCAGGAGCGGTGGCTGCCGGAGCCACGACGCTGCCGGGACACTC
AGCGGGCTGGTGTATGTCCTCCTACTTGTGTTGTTTGTGGGATTGGAGTTGTGAAG
TGTGGACTGAACTACATTCTCGAAAAAAAAAAGTGTGGACTGAACTGCGATGCAT
TTCTGGCGCTACTCTCCGTCCATGTAAATATATACAGCATATATGTTTCATGAGAAG
GCACATGTTATGTTCTGCT