

IDENTIFICATION

Species: *Setaria viridis*

Locus: Sevir.3G304700

Gene Model: Sevir.3G304700.1.p

Description: SvEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

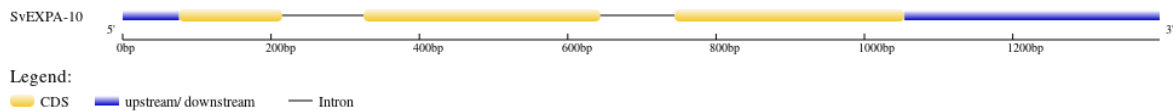
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1

KEGG:-

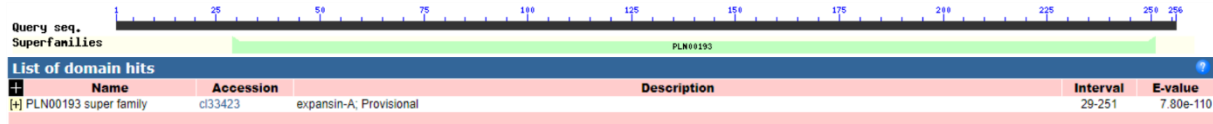
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SvEXPA-10

MAKPAVPVLLLSLLCGLDSHAVDAQYYWSPATATFYGGGDGSGTMGGACGYGNL
YNAGYGLSNAALSTALFNDGAMCGACYTIVCDISKSRWCRPGTSVTITATNFCPPNW
ALPSDNGGWCNPPRRHFDMSQPAWTTIAIYQAGIVPVNYQRVSCKRSGGMRFTINGR
DYFELVTVTNVGGSGVVSQMWIKGTNTNWL TMSRNWGMNWQSTAYLNGQSLFSM
VKIDDGRVVTWNVVPSNWFYFGATYTTSWANF*

CDS (coding sequence)

>SvEXPA-10

ATGGCAAACACAGCGGTGCCCGTGGTGTCTTCTCTCTTTGCTGTGCGGATTGGA
TTCCCATGCAGTAGACGCCAGTACTACTGGTCGCCTGCGACGGCGACATTCTAC
GGTGGCGGCGATGGCTCGGGCACCATGGGCGGCGCTTGTGGGTACGGCAACCTTT
ACAACGCCGGGTACGGGCTGAGCAACGCGGCGCTGAGCACGGCGCTGTTCAACG
ACGGCGCTATGTGCGGCGCGTGCTACACCATCGTCTGCGACATTAGCAAGAGCAG
ATGGTGCAGGCCCGGCACGTCGGTTACCATCACGGCCACCAACTTCTGCCCGCCA
AACTGGGCGCTGCCAGCGACAACGGTGGCTGGTGAACCCGCCGCGCCGGCAC
TTTGACATGTTCGACGCCGGCCTGGACCACGATCGCCATCTACCAAGCCGGTATTG
TCCCGGTGAACTACCAGAGGGTGTCTGTGCAAGAGGAGCGGCGGCATGAGGTTCA
CCATCAACGGGAGGGACTACTTCGAGCTGGTGACGGTGACCAACGTCGGTGGCA
GCGGCGTGGTGTACAGATGTGGATCAAGGGGACGAACACAAACTGGCTGACGA
TGAGCAGGAACTGGGGCATGAACTGGCAGAGCACGGCGTACCTCAACGGCCAGA
GCCTGTCCTTCATGGTGAAGATCGACGACGGCCGCGTAGTGACGGTGTGGAACGT
CGTCCCGTCCAACCTGGTACTTCGGGGCAACCTACACCACCAGCTGGGCTAACTTT
TAG

Nucleotide

>SvEXPA-10

CACAAGCACAAACGCAACCCTACAGTACAAAGTCTTCTGCTGCTCTTGTAGCG
TGCACTTGGTAGATCCAAAAGATGGCAAACACAGCGGTGCCCGTGGTGTCTTCTTC
TCTCTTTGCTGTGCGGATTGGATTCCCATGCAGTAGACGCCAGTACTACTGGTTCG
CCTGCGACGGCGACATTCTACGGTGGCGGCGATGGCTCGGGCACCATGGGTTAGT
TCCTTGCAATTGCTTCCCCTCCATTTGTACACCTCCATTTTCAAAGCAGATCTCTCTC

CTCACATGGTTTGATCTAACTAAGACGAATGATCTTGTGCGGTGCAGGCGGCGCT
TGTGGGTACGGCAACCTTTACAACGCCGGGTACGGGCTGAGCAACGCGGCGCTG
AGCACGGCGCTGTTCAACGACGGCGCTATGTGCGGCGCGTGCTACACCATCGTCT
GCGACATTAGCAAGAGCAGATGGTGCAGGCCCGGCACGTCGGTTACCATCACGG
CCACCAACTTCTGCCCGCCAAACTGGGCGCTGCCAGCGACAACGGTGGCTGGTG
CAACCCGCCGCGCCGGCACTTTGACATGTCGCAGCCGGCCTGGACCACGATCGCC
ATCTACCAAGCCGGTATTGTCCCGGTGAACTACCAGAGGTACTIONACACAAAGAGAT
GATCCAACGACAAGAGATGCAGACTTGAAGATCTTCTAAGTACAATGTGATGATT
AATGTGCTTCATTGTGTACGTGCTGCAGGGTGTTCGTGCAAGAGGAGCGGCGGCAT
GAGGTTACCATCAACGGGAGGGACTACTTCGAGCTGGTGACGGTGACCAACGT
CGGTGGCAGCGGCGTGGTGTACAGATGTGGATCAAGGGGACGAACACAAACTG
GCTGACGATGAGCAGGAAGTGGGGCATGAACTGGCAGAGCACGGCGTACCTCAA
CGGCCAGAGCCTGTCCTTCATGGTGAAGATCGACGACGGCCGCGTAGTGACGGTG
TGGAACGTCGTCCCGTCCAAGTGGTACTTCGGGGCAACCTACACCACCAGCTGGG
CTAACTTTTAGCAGATGTGTCTCAACAGAAAACGCTCGGAGAGATCGACAAGAC
GTGGAAGTAGTATATAGCTATACATATATATTTGACTTAATTACTATTACTATGAG
CCCTATGACGATCGATTAATGCCGTACCCTCTTAGGCGTAGATAGGCATTGAACC
CTGCTCATTTTCTCATTTTCTATTTTGTTCATAATCGATGATTTTGCCAAGTCCTGCC
TGTAACACCTGCATTCGTACTACTTAGTCAGCGGCTTGGGATCACGGAGCCCTCT
AAGTAATCAATGCAGTAACTACATGTGTATGGAGCAAATAATGCTTATTCATTTA
CTAAGCTGTCACCTACCTCCAGTC