

IDENTIFICATION

Species: *Setaria italica*

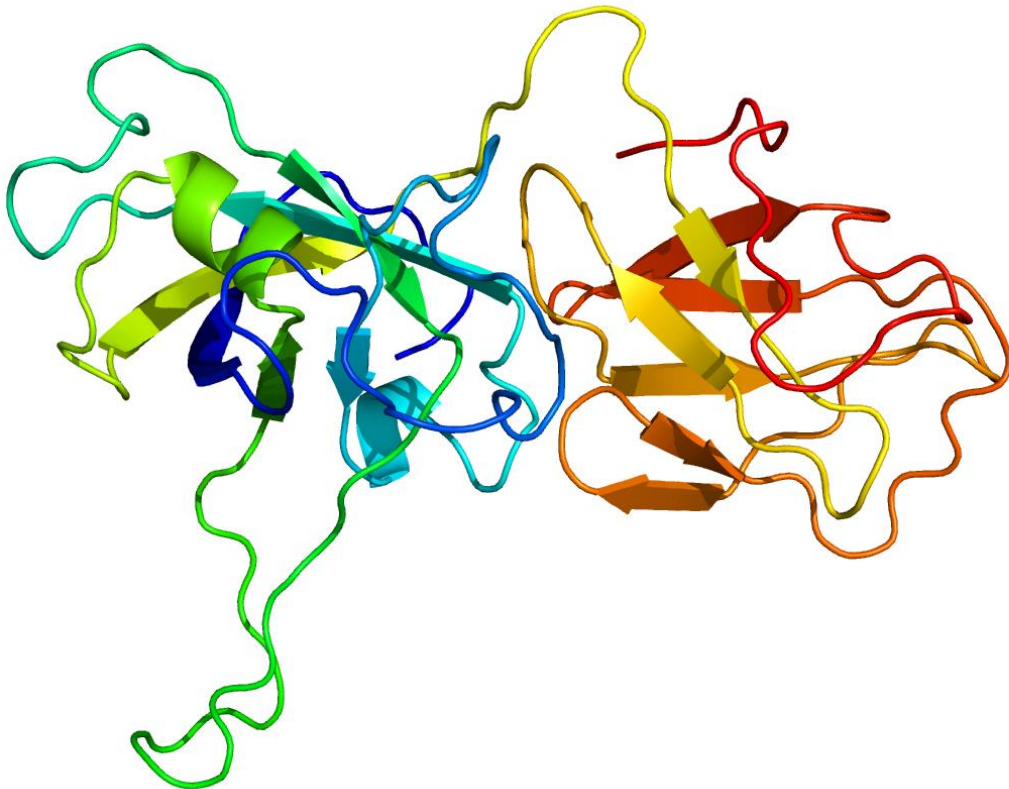
Locus: Seita.3G294900

Gene Model: Seita.3G294900.1.p

Description: SitEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

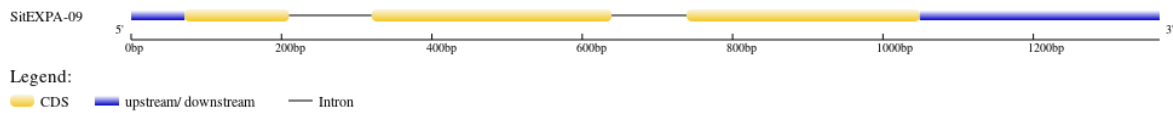
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

KEGG: <https://www.genome.jp/entry/gn:T02818>

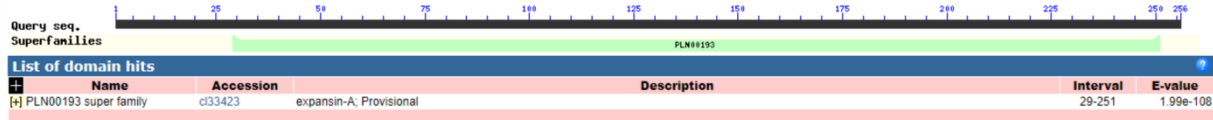
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-09

MAKPAVPVLLLSLLCGLDSHAVDGQYYWSPATATFYGGGDGSGTMGGACGYGNL
YNAGYGLSNAALSTALFNDGAMCGACYTIVCDISKSRWCRPGTSVTITATNFCPPNW
ALPSDNGGWCNPPRRHFDMSQPAWTTIAIYQAGIVPVNYQRVSCKRSGGMRFTINGR
GYFELVTVTNVGGSGVVSQMWIKGTNTNWL TMSRNWGMNWQSTAYLNGQSLSFM
VKIDDGRVVTWNVVPSNWFYFGATYTTSWANF*

CDS (coding sequence)

>SitEXPA-09

ATGGCAAACACAGCGGTGCCCGTGGTGTCTTCTCTCTTTGCTGTGCGGATTGGA
TTCCCATGCAGTAGACGGCCAGTACTACTGGTCGCCTGCGACGGCGACATTCTAC
GGTGGCGGCGATGGCTCGGGCACCATGGGCGGCGCTTGTGGGTACGGCAACCTTT
ACAACGCCGGGTACGGGCTGAGCAACGCGGCGCTGAGCACGGCGCTGTTCAACG
ACGGCGCTATGTGCGGCGCGTGCTACACCATCGTCTGCGACATTAGCAAGAGCAG
ATGGTGCAGGCCCGGCACGTCGGTTACCATCACGGCCACCAACTTCTGCCCGCCA
AACTGGGCGCTGCCAGCGACAACGGTGGCTGGTGCAACCCGCCGCGCCGGCAC
TTTGACATGTGCGAGCCGGCCTGGACCACGATCGCCATCTACCAAGCCGGTATTG
TCCCGGTGAACTACCAGAGGGTGTCTGTGCAAGAGGAGCGGCGGCATGAGGTTCA
CCATCAACGGGAGGGGCTACTTCGAGCTGGTGACGGTGACCAACGTCGGTGGCA
GCGGCGTGGTGTACAGATGTGGATCAAGGGGACGAACACAACTGGCTGACGA
TGAGCAGGAACTGGGGCATGAACTGGCAGAGCACGGCGTACCTCAACGGCCAGA
GCCTGTCCTTCATGGTGAAGATCGACGACGGCCGCGTAGTGACGGTGTGGAACGT
CGTCCCGTCCAACCTGGTACTTCGGGGCAACCTACACCACCAGCTGGGCTAACTTT
TAG

Nucleotide

>SitEXPA-09

GCACAAACGCAACCCTACAGTACAAAGTCTTCCTGCTGCTCTTGCTAGCGTGCAC
TTGGTAGATCCAAAAGATGGCAAACACAGCGGTGCCCGTGGTGTCTTCTCTCTCT
TTGCTGTGCGGATTGGATTCCCATGCAGTAGACGGCCAGTACTACTGGTCGCCTG
CGACGGCGACATTCTACGGTGGCGGCGATGGCTCGGGCACCATGGGTTAGTTCCT
TGCATTGCTTCCCCTCCATTTGTACACCTCCATTTTCAAAGCAGATCTCTCTCCTCA

CATGGTTTGGATCTAACTAAGACGAATGATCTTGTGCGGTGCAGGCGGCGCTTGTG
GGTACGGCAACCTTTACAACGCCGGGTACGGGCTGAGCAACGCGGCGCTGAGCA
CGGCGCTGTTCAACGACGGCGCTATGTGCGGCGCGTGCTACACCATCGTCTGCGA
CATTAGCAAGAGCAGATGGTGCAGGCCCGGCACGTCCGGTTACCATCACGGCCAC
CAACTTCTGCCCGCCAAACTGGGCGCTGCCAGCGACAACGGTGGCTGGTGCAAC
CCGCCGCGCCGGCACTTTGACATGTCGCAGCCGGCCTGGACCACGATCGCCATCT
ACCAAGCCGGTATTGTCCCGGTGAACTACCAGAGGTACTACACAAAGAGATGAT
CCAACGACAAGAGATGCAGACTTGAAGATCTTCTGCGTACAATGTGATGATTAAT
GTGCTTCATTGTGTACGTGCTGCAGGGTGTTCGTGCAAGAGGAGCGGCGGCATGAG
GTTACCCATCAACGGGAGGGGCTACTTCGAGCTGGTGACGGTGACCAACGTCGGT
GGCAGCGGCGTGGTGTACAGATGTGGATCAAGGGGACGAACACAAACTGGCTG
ACGATGAGCAGGAACTGGGGCATGAACTGGCAGAGCACGGCGTACCTCAACGGC
CAGAGCCTGTCCTTCATGGTGAAGATCGACGACGGCCGCGTAGTGACGGTGTGGA
ACGTCGTCCCGTCCAACCTGGTACTTCGGGGCAACCTACACCACCAGCTGGGCTAA
CTTTTAGCAGATGTGTCTCAACAGAAAACGCTCGGAGAGATCGACAAGACGTGG
AACTAGTATATAGCTATACATATATATTTGACTTAATTACTATTACTATGAGCCCT
ATGACGATCGATTAATGCCGTACCCTCTTAGGCGTAGATAGGCATTGAACCCTGC
TCATTTTCTCATTTTCTATTTTGTCTAATCGATGATTTTGCCAAGTCCTGCCTGTA
ACACCTGCATTTCGTACTACTTAGTCAGCGGCTTGGGATCACGGAGCCCTCTAAGT
AATCAATGCAGTAACTACATGTGTATGGAGCAAATAATGCTTATTCATT