

IDENTIFICATION

Species: *Setaria italica*

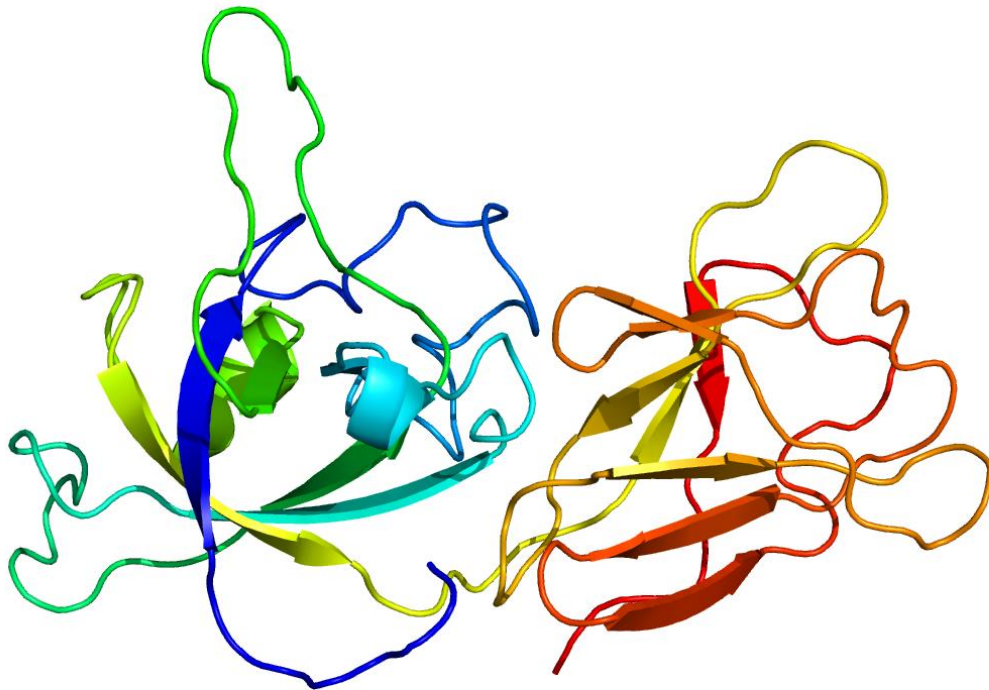
Locus: Seita.9G242000

Gene Model: Seita.9G242000.1.p

Description: SitEXPA-29

Family: Alpha Expansin

3D structure:



GENOME DATABASES

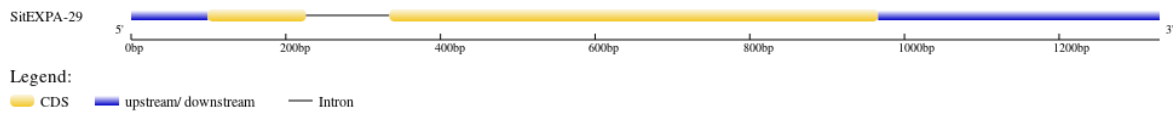
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

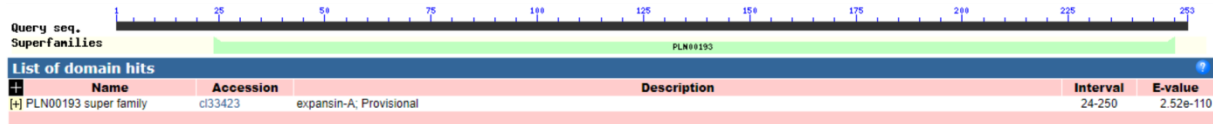
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-29

MAMTKSLILLCAVLAACLAIAAAGWSPGTATFYGGADGSGTMGGACGYDNLYNAG
YGVNNAALSTTLFNDGASCGQCYKITCDRSRPGGRYCKPGNSITVTATNLCPPNYAL
PNGGWCGPGRPHFDMSQPAWEHIGVYQAGIVPVLYQQVKCSRSSGGVRFISIAGSDYF
LLVNIQNLAGSGSVAAALVKGDKTGWIHMSRNWGANWQALSGLVGQRLSFAVTST
GGQYIQFLNVVPSWWQFGMAFSTNLNFVH*

CDS (coding sequence)

>SitEXPA-29

ATGGCAATGACCAAGTCCCTGATCTTACTATGCGCAGTCCTCGCGGCGTGCCTCG
CAATAGCCGCAGCTGGCTGGTCTCCTGGCACCGCCACGTTCTACGGCGGCGCTGA
TGGCTCCGGCACAATGGGCGGCGCGTGCGGGTACGACAACCTCTACAACGCCGG
GTACGGCGTCAACAACGCGGCTCTGAGCACGACGCTGTTCAACGACGGCGCGTC
GTGCGGCCAGTGCTACAAGATCACGTGCGACCGATCACGCCAGGCGGCGCGTA
CTGCAAGCCC GGCAACAGCATCACCGTCACGGCCACCAACCTGTGCCCGCCCAAC
TACGCGCTGCCCAACGGCGGCTGGTGC GGCCCGGGCGCCCCACTTCGACATGT
CGCAGCCGGCGTGGGAGCACATCGGTGTCTACCAGGCCGGCATCGTCCCGGTCTT
GTACCAGCAGGTCAAGTGCTCGCGCAGCGGTGGGGTGC GCTTCAGCATCGCCGGC
TCCGACTACTTCCTGCTCGTCAACATCCAGAACCTCGCCGGCAGTGGCTCCGTGG
CCGCAGCCTTGGTCAAGGGCGACAAGACGGGCTGGATCCATATGTCCAGGAACT
GGGGCGCCA ACTGGCAGGCGCTCTCTGGGCTCGTTCGGCCAGAGGCTCAGCTTCGC
CGTGACCAGCACCGGTGGGCAGTACATTCAGTTCCTTAACGTCGTGCCGAGCTGG
TGGCAGTTCGGCATGGCCTTCTCCACCAATCTGAATTTCTGTTCCACTAG

Nucleotide

>SitEXPA-29

GACAGTTAACCTCGATCACCCAGCCACCTTACAACACGCACATTGACTTCCAGCT
CGTTCGTTCTCTGGACCTAGCTGGCTAGCTCTGCATTGACACCCATGGCAATGACC
AAGTCCCTGATCTTACTATGCGCAGTCCTCGCGGCGTGCCTCGCAATAGCCGCAG
CTGGCTGGTCTCCTGGCACCGCCACGTTCTACGGCGGCGCTGATGGCTCCGGCAC
AATGGGTAAGATTTTCCGTGCATGCATAATGCATTTCCGTACACGAACAATCTAC
ACAATTTCTATAGCTTCGGACGTTGATGTCGCTAATATATGCGT TTTGTATGTCTC

AGGCGGCGCGTGCGGGTACGACAACCTCTACAACGCCGGGTACGGCGTCAACAA
CGCGGCTCTGAGCACGACGCTGTTCAACGACGGCGCGTCGTGCGGCCAGTGCTAC
AAGATCACGTGCGACCGATCACGCCAGGCGGCCGGTACTGCAAGCCCGGCAAC
AGCATCACCGTCACGGCCACCAACCTGTGCCCGCCAACTACGCGCTGCCCAACG
GCGGCTGGTGCGGCCCGGGGCGCCCCACTTCGACATGTCGCAGCCGGCGTG
AGCACATCGGTGTCTACCAGGCCGGCATCGTCCCGGTCCTGTACCAGCAGGTCAA
GTGCTCGCGCAGCGGTGGGGTGCCTTCAGCATCGCCGGTCCGACTACTTCCTG
CTCGTCAACATCCAGAACCTCGCCGGCAGTGGCTCCGTGGCCGACGCTTGGTCA
AGGGCGACAAGACGGGCTGGATCCATATGTCCAGGAACTGGGGCGCCAACCTGGC
AGGCGCTCTCTGGGCTCGTCGGCCAGAGGCTCAGCTTCGCCGTGACCAGCACCGG
TGGGCAGTACATTCAGTTCCTTAACGTCGTGCCGAGCTGGTGGCAGTTCGGCATG
GCCTTCTCCACCAATCTGAATTCGTCCACTAGCTACAAACCGTGGAATTCTCTCT
CCCTTTGCCATTTTCGTGCCGCTCCATCGAATGGCGAGTGCGTGCTCTTGATTTGA
AGGAGCTTTACGCACTTGTGCTATTGCATCCTAGTTGGCCACCTGACTGGCATATC
TCCTACGTGATGCTCCGACTGCAGGAGGAAATGGCAAGGGTCTTTGGAGGTAGA
AGGAATGTCAAATAGATCGTATTAAGGCTTGCCTTTGTTTCTCAATTCTGTAGATA
CCACATGTCATGATTTTATAGAACAAGAATGTGCACTGCATATGTTTTATTAACA
GAGTTTTACAAGTGACGTTCAAGGGCACTGTTATTTAGTTAAAAAATGAACTAATT
TGCTTATCC