

IDENTIFICATION

Species: *Setaria italica*

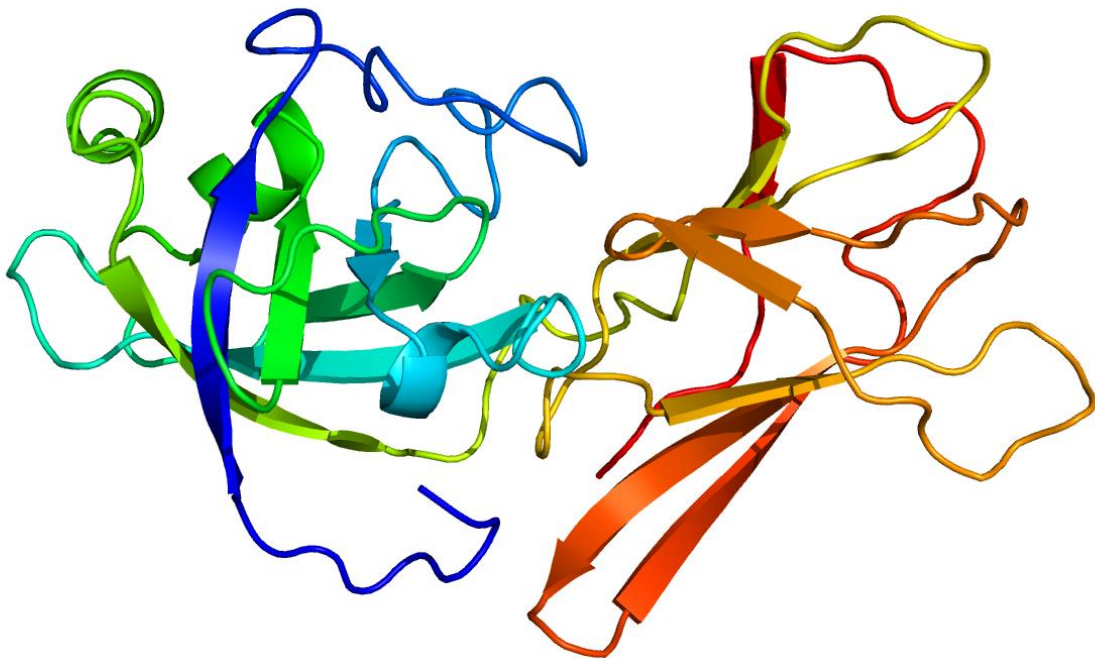
Locus: Seita.1G010000

Gene Model: Seita.1G010000.1.p

Description: SitEXPA-04

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>

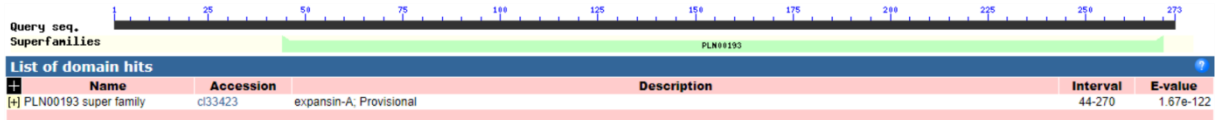
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-04

MAPARAFVLLLIAGCWA WATSAAADGVATNSSPPSSAPAPVWVERAHATFYGGA
DASDTVGGACGYGNLYAQYGRTRTAALSTVLFNDGASCGQCYKIACDRMTDPTWC
RPGVTVTVTATNFCPPNWEYPDGGWCNTVRPHFDMAQPAWEKIGTDYRAGIIPVIYQ
RVPCMKRGGVRFTHYGHDFNLVLVTNVAGAGSIRSMDVRSDDSTEWMPMARNWG
ANWHSLVYLSGERLSFRVTITDGQTLVFANVVPAGWTFGLTLASNLQFKS*

CDS (coding sequence)

>SitEXPA-04

ATGGCTCCGGCTCGAGCTTTCGCAGTTCTGTTGCTCATAGCCGGCTGCTGGGCCTG
GGCGACGTCCGCGGCGGCGGATGGAGTCGCGACGAACATCACCACCGTCGTC
CGCTCCGGCGCCGGTTCGTGTGGGAGAGGGCGCATGCGACGTTCTACGGCGGAGC
TGATGCCTCCGACACCGTGGGTGGCGCGTGCGGGTACGGGAACCTGTACGCGCA
GGGGTACGGCACGCGCACGGCGGCGCTGAGCACGGTGCTCTTCAACGACGGCGC
GTCGTGCGGGCAGTGCTACAAGATCGCGTGCAGCCGCATGACGGACCCGACGTG
GTGCAGGCCCGGCGTACGGTACCGTACCGCCACCAACTTCTGCCCGCCCAAC
TGGGAGTACCCCGATGGCGGGTGGTGCAACACGGTGCGCCCCCACTTTGACATGG
CCCAGCCGGCGTGGGAGAAGATCGGCACCGACTACCGCGCCGGCATCATCCCCG
TCATCTACCAAAGAGTCCCCTGCATGAAGCGAGGTGGGGTGCGGTTACCATCTA
CGGGCACGACTATTTCAACCTCGTACTCGTGACCAACGTCGCAGGAGCTGGCTCC
ATCAGATCCATGGATGTGAGGAGCTCCGATTCGACCGAGTGGATGCCGATGGCGC
GCAACTGGGGCGCGAACTGGCACTCCCTGGTGTATCTCAGTGGGGAGAGGCTCTC
GTTCAGGGTGACCATCACGGATGGACAGACACTGGTGTGGTGGTGGTGGTGGTGG
GCGGGCTGGACGTTTCGGCTTGACATTGGCAAGCAATTTGCAGTTCAAGTCATGA

Nucleotide

>SitEXPA-04

ATGGCTCCGGCTCGAGCTTTCGCAGTTCTGTTGCTCATAGCCGGCTGCTGGGCCTG
GGCGACGTCCGCGGCGGCGGATGGAGTCGCGACGAACATCACCACCGTCGTC
CGCTCCGGCGCCGGTTCGTGTGGGAGAGGGCGCATGCGACGTTCTACGGCGGAGC
TGATGCCTCCGACACCGTGGGTGGCGCGTGCGGGTACGGGAACCTGTACGCGCA
GGGGTACGGCACGCGCACGGCGGCGCTGAGCACGGTGCTCTTCAACGACGGCGC

GTCGTGCGGGCAGTGCTACAAGATCGCGTGCGACCGCATGACGGACCCGACGTG
GTGCAGGCCCGGCGTACGGTACCGTACCGCCACCAACTTCTGCCCGCCCAAC
TGGGAGTACCCCGATGGCGGGTGGTGCAACACGGTGCGCCCCACTTTGACATGG
CCCAGCCGGCGTGGGAGAAGATCGGCACCGACTACCGCGCCGGCATCATCCCCG
TCATCTACCAAAGGTACACGCCGATTCTTAACATGCCTTTTCCTTCTCTACTAGTC
ACTTAACCGATACTGAAGTATCTTATTTTTTCCAAATGGAACTTGTGCGTCCATG
CAGAGTCCCGTGCATGAAGCGAGGTGGGGTGCGGTTCACCATCTACGGGCACGA
CTATTTCAACCTCGTACTCGTGACCAACGTCGCAGGAGCTGGCTCCATCAGATCC
ATGGATGTGAGGAGCTCCGATTCGACCGAGTGGATGCCGATGGCGCGCAACTGG
GGCGCGAACTGGCACTCCCTGGTGTATCTCAGTGGGGAGAGGCTCTCGTTCAGGG
TGACCATCACGGATGGACAGACACTGGTGTTTGCAAATGTGGTGCCGGCGGGCTG
GACGTTCCGGCTTGACATTGGCAAGCAATTTGCAGTTCAAGTCATGATGATTGATG
AGGACTTCGCTGGATGTGGCTCTCGCTTGGAACTTCATCGCCGGCAACCTGAT
TTAGGAATTGTTGAATTGGACTAATTAAGCCGCTGCTCGTTCTGTGTAATATAAT
GATCGAATGCACTACTTGTATATAGATAACATTGTACAGTTGTATTGTAATTAAC
CTGAATGTGAATATCTGTGTTTCATGAATTCATCTTTGTGCTCGTGAA