

IDENTIFICATION

Species: *Setaria italica*

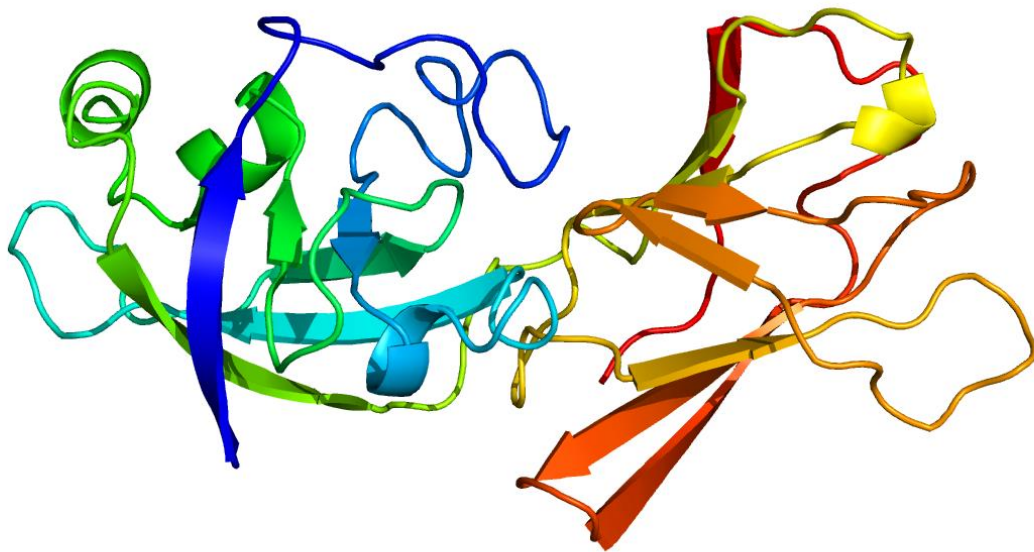
Locus: Seita.1G010100

Gene Model: Seita.1G010100.1.p

Description: SitEXPA-05

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>

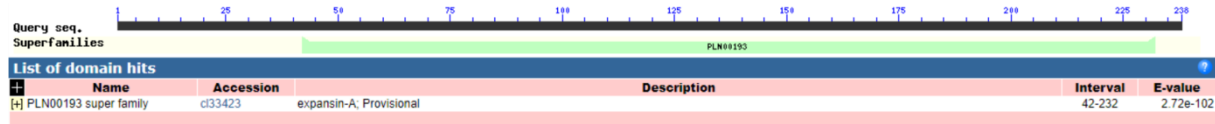
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-05

MASARVLAVALLALGWAMAVAADDVATTSSPSPPPAPAPIVWQRAHATFYGGADA
AGTMGGACGYGNLYSQGYGSRTAALSTVLFADGASCGQCYKIACDRKTNPALCKPG
VTVTVTATNFCPPNWEFPDGGWCNTVRPHFDMAQPAWEKIGADTRVGIIPVIYQRPV
CVRRGGVRFTHGHDYFNLVLTNVAAAGSIKSMVDVKTSDSTDWMPMARNWGAN
WHSLAYLSGKNNVQK*

CDS (coding sequence)

>SitEXPA-05

ATGGCTTCAGCTCGAGTTCTCGCAGTCGCGTTGCTCGCACTCGGCTGGGCAATGG
CCGTGGCCGCAGACGACGTCGCGACGACCAGCTCACCGTCGCCGCCACCGGCTCC
GGCGCCGATCGTGTGGCAGAGAGCCACGCGACGTTCTACGGCGGAGCAGATGC
CGCCGGGACCATGGGCGGGCGCTTGCGGGTATGGCAACCTCTACTCGCAGGGGTAC
GGCTCGCGCACGGCGGGCGCTGAGCACGGTGCTCTTCGCTGACGGCGCGTCGTGCG
GGCAGTGCTACAAGATCGCCTGCGACCGGAAGACGAACCCGGCGTTGTGCAAGC
CCGGCGTCACGGTCACGGTCACCGCCACCAACTTCTGCCCGCCCAACTGGGAGTT
CCCCGACGGCGGGTGGTGCAACACGGTGCGCCCCCACTTCGACATGGCGCAGCC
GGCCTGGGAGAAGATCGGCGCCGACACCAGAGTCGGCATCATCCCCGTCATCTAC
CAAAGAGTTCCATGCGTGAGGAGGGGTGGAGTGAGGTTACGATCAACGGGCAC
GACTACTTCAACCTTGTCTGGTGACCAATGTTCGACGCGGCCGGCTCCATCAAAT
CCATGGATGTCAAGACCTCCGACTCGACCGATTGGATGCCGATGGCGCGCAACTG
GGGCGCGAACTGGCACTCTCTGGCGTACCTCAGTGGGAAAATAATGTGCAAAA
ATAA

Nucleotide

>SitEXPA-05

ACACGTACACAGAGAATCTAGACGCCCTGTCAGTCAAAGCAATTCATACCGATCA
GGCTTTAGATCGTCACCTCCTGCAATTTGTGGTTGTGGCACGCCCTAAAGCTTATT
GCAAATCAACTTCTGGTATGGCTTCAGCTCGAGTTCTCGCAGTCGCGTTGCTCGCA
CTCGGCTGGGCAATGGCCGTGGCCGCAGACGACGTCGCGACGACCAGCTCACCG
TCGCCGCCACCGGCTCCGGCGCCGATCGTGTGGCAGAGAGCCACGCGACGTTCT
ACGGCGGAGCAGATGCCGCCGGGACCATGGGTAAGCAATACACGCTTCGAT

TGCCCATTCATATAGCTAAGCAGATCGCTGATGATGATGCGCGTTCATGGCAGGC
GGCGCTTGCGGGTATGGCAACCTCTACTCGCAGGGGTACGGCTCGCGCACGGCGG
CGCTGAGCACGGTGCTCTTCGCTGACGGCGCGTCGTGCGGGCAGTGCTACAAGAT
CGCCTGCGACCGGAAGACGAACCCGGCGTTGTGCAAGCCCGGCGTCACGGTCAC
GGTCACCGCCACCAACTTCTGCCCCGCCAACTGGGAGTTCCTCCGACGGCGGGTGG
TGCAACACGGTGCGCCCCCACTTCGACATGGCGCAGCCGGCCTGGGAGAAGATC
GGCGCCGACACCAGAGTCGGCATCATCCCCGTCATCTACCAAAGGTCTTTATCAT
TCTTTTGCAGCTTAAGTAACTCAATTAGCCTTGTCTCTCTCAAGCAAGAACTGCC
GTCGACAAATGCAACAAATAACTTAAATATGAAAACCTTGTTGTGGATGCAGAGTT
CCATGCGTGAGGAGGGGTGGAGTGAGGTTACGATCAACGGGCACGACTACTTC
AACCTTGTTCTGGTGACCAATGTTCGACGCGGCCGGCTCCATCAAATCCATGGATG
TCAAGACCTCCGACTCGACCGATTGGATGCCGATGGCGCGCAACTGGGGCGCGA
ACTGGCACTCTCTGGCGTACCTCAGTGGGAAAAATAATGTGCAAAAATAA