

IDENTIFICATION

Species: *Setaria italica*

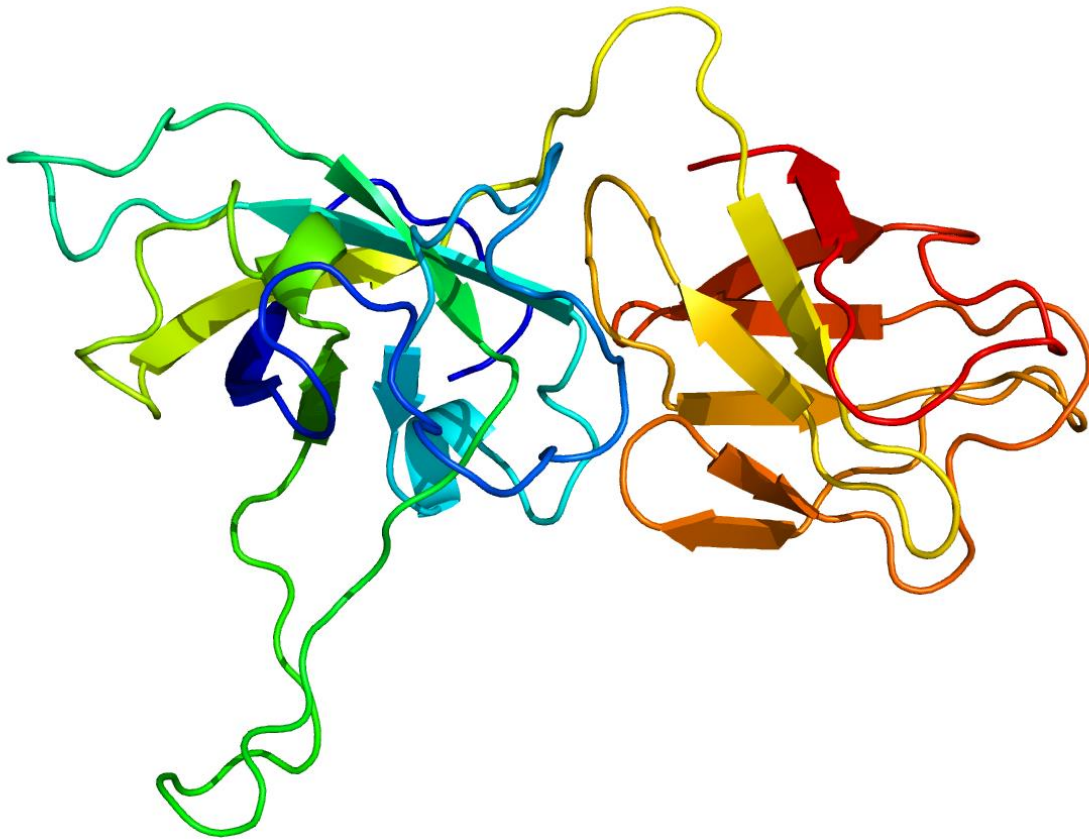
Locus: Seita.5G363100

Gene Model: Seita.5G363100.1.p

Description: SitEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

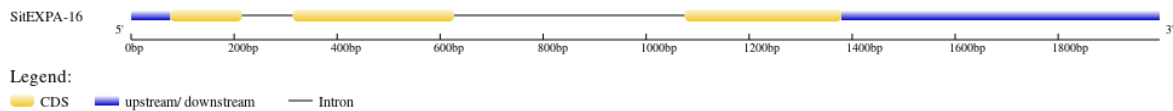
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

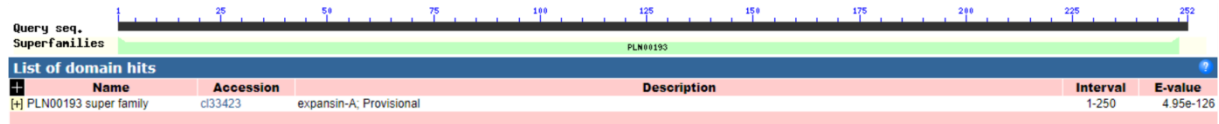
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-16

MATANVLLLLLCSAVCFLARRAAGDYGGWQSAHATFYGGGDASGTMGGACGYGN
LYSTGYGTNTAALSTALFNDGASCGQC FELRCDNAGASCLPGTITVTATNFCPPNYG
LPSDDGGWCNPPRPHFDMAQPAFLQIAQYRAGIVPVA YRRVPCVKKGGIRFTINGHS
YFNLVLVTNVAGAGDVQSVSIKGSSTGWQAMSRNWGQNWQSNLLDGQALSFKVT
ASDGRCVTSNNAAPAGWSFGQTFEGSQF*

CDS (coding sequence)

>SitEXPA-16

ATGGCAACCGCCAATGTCCTCCTCCTGCTCTGCTCCGCCGTCTGCTTCCTCGC
CCGCCGGGCCCGCGGCGACTACGGCGGGTGGCAGAGCGCCACGCCACGTTCTA
CGGCGGCGGCGACGCGTCCGGCACAATGGGCGGGGCGTGCGGGTACGGGAACCT
GTACAGCACCGGGTACGGCACGAACACGGCGGGCGCTGAGCACGGCGCTGTTCAA
CGATGGCGCCTCCTGCGGGCAGTGCTTCGAGCTGCGCTGCGACAACGCCGGGGCG
TCGTGCCTGCCGGGCACCATCACCGTGACGGCCACCAACTTCTGCCCGCCAACT
ACGGCCTCCCAGCGACGACGGCGGCTGGTGCAACCCGCCGCGCCCGCACTTCGA
CATGGCCCAGCCAGCCTTCCTCCAGATCGCCCAGTACCGCGCCGGCATCGTGCCC
GTCGCCTACAGGAGGGTGCCGTGCGTGAAGAAGGGCGGGATCCGGTTCACCATC
AACGGCCACTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGCCGGCGCCGGCG
ACGTGCAGTCCGTGTCCATCAAGGGCTCCAGCACTGGGTGGCAGGCCATGTCCCG
CAACTGGGGCCAGA ACTGGCAGAGCAACTCGCTCCTCGACGGCCAGGCCCTCTCC
TTCAAGGTCACCGCCAGCGACGGCCGCTGCGTCACCAGCAACAACGCCGCGCCC
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Nucleotide

>SitEXPA-16

GCAACTCTCGATCCTAATCAGCTCCCTCGCTTTAGCTCGCTCGCTAGCTAGCTCGA
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CAATAGATTAGGCGTTCGCACTGATGACCTAGATGAGCTTGCATGTTAGTATGTTA
CACTCTGATTCCGATTTCTGCAAGTTGCAAGCATCACGATCGACCGGGCGACAGTA
ATGCTTGGCCTGTCATCTACTACTCTGAACTTTTCACTTTTCAGTACAGTTTAACT
GATCGCATTTGCGCTTGTATCGTTGGCAGGGTGCCGTGCGTGAAGAAGGGCGGGA
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