

IDENTIFICATION

Species: *Setaria italica*

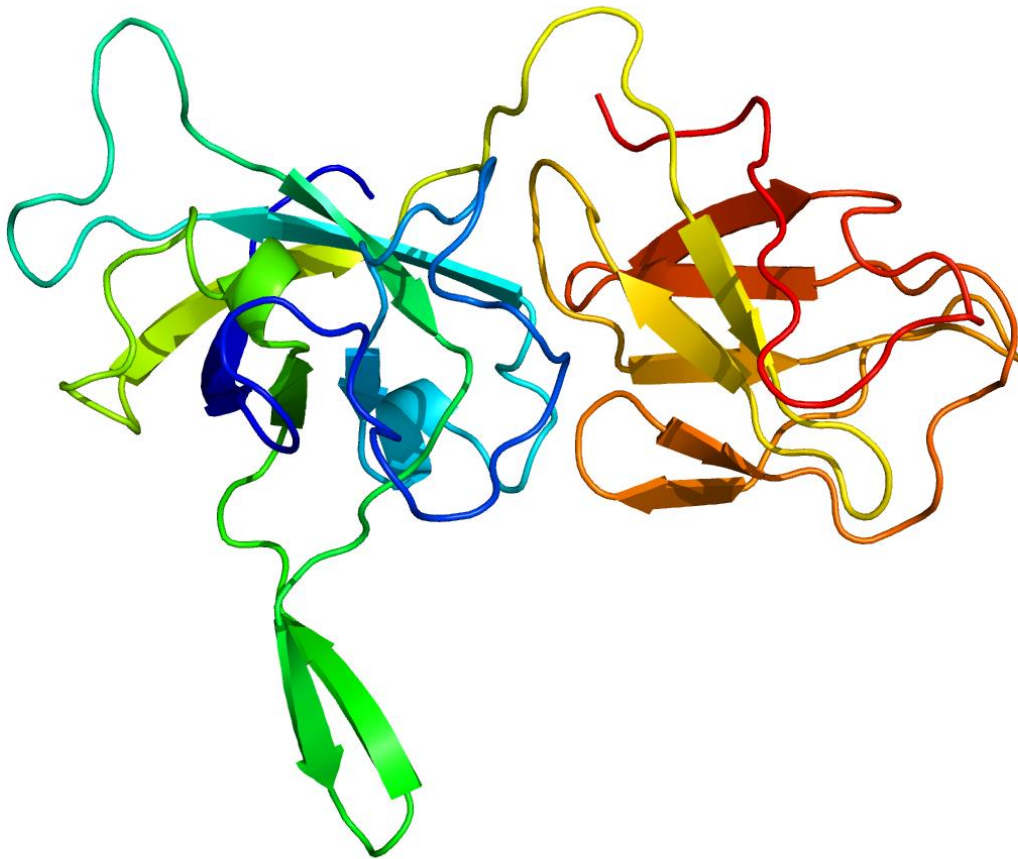
Locus: Seita.5G062700

Gene Model: Seita.5G062700.1.p

Description: SitEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

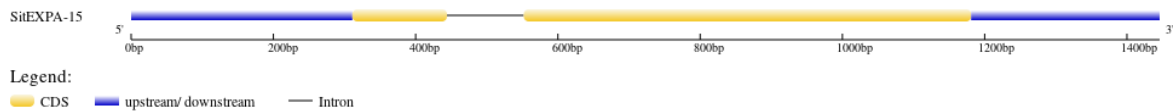
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

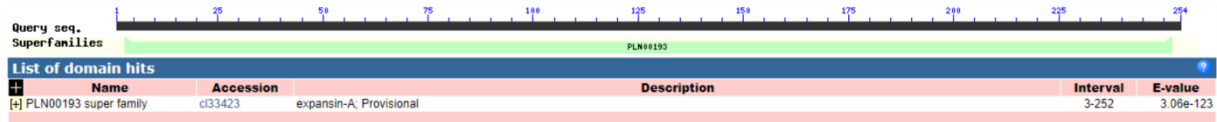
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-15

MQAKMLALQLALCAFFLLEGSAAAVQWTPAFATFYGGSDASGTMGGACGYDNLYS
AGYGTRTAALSTALFNNGAMCGACFTIACDARKSRYCKPGTSITVTATNFCPPNWAL
SGDSGGWCNPPRRHFDMSQPAWETIAVYRAGIVPVNYRRVPCRRSGGVRFTVNGHS
YFELVTVANVGGSGVVAQAWIKGSRTDWMPMSRNWGANWQSN AFLNGQSLSFRL
RADDGRVVTAVDVAPAGWWFGGTYTSNAQFY*

CDS (coding sequence)

>SitEXPA-15

ATGCAGGCGAAGATGCTCGCGCTCCAGCTGGCCCTGTGCGCCTTCTTCCTCCTCG
AAGGGTCGGCGGCGGCGGTTTCAGTGGACGCCCGCCTTCGCCACGTTCTACGGCGG
CAGCGACGCCTCCGGCACCATGGGCGGCGCGTGC GGGTACGACAACCTGTACAG
CGCGGGGTACGGGACGCGGACGGCGGCGCTGAGCACGGCGCTGTTCAACAACGG
CGCCATGTGCGGGGCGTGCTTCACCATCGCCTGCGACGCGCGTAAGTCCAGGTAC
TGCAAGCCGGGCACCTCCATCACCGTCACGGCCACCAACTTCTGCCCGCCCAACT
GGGCGCTCTCCGGCGACTCCGGCGGCTGGTGCAACCCGCCGCGCCGCCACTTCGA
CATGTTCGACCCGGCGTGGGAGACCATCGCCGTGTACCGCGCCGGGATCGTGCCG
GTGAACTACCGCCGCGTGCCGTGCCGGAGGAGCGGCGGCGTCCGGTTCACCGTCA
ACGGGCACAGCTACTTCGAGCTGGTGACGGTGGCCAACGTCGGCGGCAGCGGCG
TGGTGGCGCAGGCGTGGATCAAGGGGTCGCGGACGGACTGGATGCCCATGAGCC
GGA ACTGGGGCGCCA ACTGGCAGAGCAACGCCTTCCTCAACGGGCAGAGCCTCT
CGTTCGGGCTCAGGGCCGACGACGGCCGCGTTCGTCACCGCCGTCGACGTCGCCCC
CGCCGGGTGGTGGTTCGGCGGCACATACAGTCCAATGCGCAGTTCTACTGA

Nucleotide

>SitEXPA-15

TTATCCAATCATGAACACCAACATGCAGGCGCGCGCAA AAGTCAATCCCGGCCA
AACCATCCACGCGCTGGGCAGTCGCTTTCGAGCTCGCTGCAGAGTATGAACGGGG
CCGGGCTTGCCCCCTCCCCGTCCGGTACTCGCCTGACCGGCCGGCTACTCGTCGTA
GCAGCAGCGGTTGGTTGCTTGTGAAGTGGTCCTTGCAAGTGCCATCAAGAACCTG
ACACACTATTTATACGGCTCCTTGGTGGCCATTCCTGGGCACGAACACACTCAGC
CGTACGGCACAAAACAAACTGGCTAGCTACTGACATGCAGGCGAAGATGCTC

GCGCTCCAGCTGGCCCTGTGCGCCTTCTTCCTCCTCGAAGGGTCGGCGGGCGGGCGG
TTCAGTGGACGCCCCGCCTTCGCCACGTTCTACGGCGGCAGCGACGCCTCCGGCAC
CATGGGTAAGCACACCCTGCTCGATCCATCCGCCATGCTCTTGCATTGAGTTATTC
TACATCAGGTTATTACGAATGCTAACACCTCTGCTCCGCCCATCGATCGATCACC
AGGCGGGCGCGTGCGGGTACGACAACCTGTACAGCGCGGGGTACGGGACGCGGAC
GGCGGGCGCTGAGCACGGCGCTGTTCAACAACGGCGCCATGTGCGGGGGCGTGCTTC
ACCATCGCCTGCGACGCGCGTAAGTCCAGGTAAGTCAAGCCGGGCACCTCCATCA
CCGTCACGGCCACCAACTTCTGCCCGCCAACTGGGGCGCTCTCCGGCGACTCCGG
CGGCTGGTGCACCCCGCCGCGCCGCCACTTCGACATGTCGCAGCCGGCGTGAGGAG
ACCATCGCCGTGTACCGCGCCGGGATCGTGCCGGTGAAGTACCGCCGCGTGCCGT
GCCGGAGGAGCGGCGGGCGTCCGGTTCACCGTCAACGGGCACAGCTACTTCGAGC
TGGTGACGGTGGCCAACGTCGGCGGCAGCGGCGTGGTGGCGCAGGCGTGATCA
AGGGGTCGCGGACGGACTGGATGCCCATGAGCCGGAAGTGGGGCGCCAACTGGC
AGAGCAACGCCTTCCTCAACGGGCAGAGCCTCTCGTTCCGGCTCAGGGCCGACGA
CGGCCGCGTCGTCACCGCCGTCGACGTCGCCCCCGCCGGGTGGTGGTTCGGCGGC
ACATACAGTCCAATGCGCAGTTCTACTGACGTCGATCGAGGACGGCGTGCGCGC
GATCGCCGTGACTATTAATTCTTGTGATCTTCTTCATGTCTTTTTTTCCCCCTTGTT
CTGTGTCGTGAAAATGTGTAGTATACCCAATGATTTACCAGGTAGTACCGTAGTA
GGTCGACGTGGCATAGGATCAAACGCCGCCACGCATGCTTATACGCCATATACG
CAGGATGTACCATGTGATGTACTGTGAACCGTACATTTTTTTATGAACGGCTCAGT
GTCAGCCTTAATCTTCCA