

IDENTIFICATION

Species: *Setaria italica*

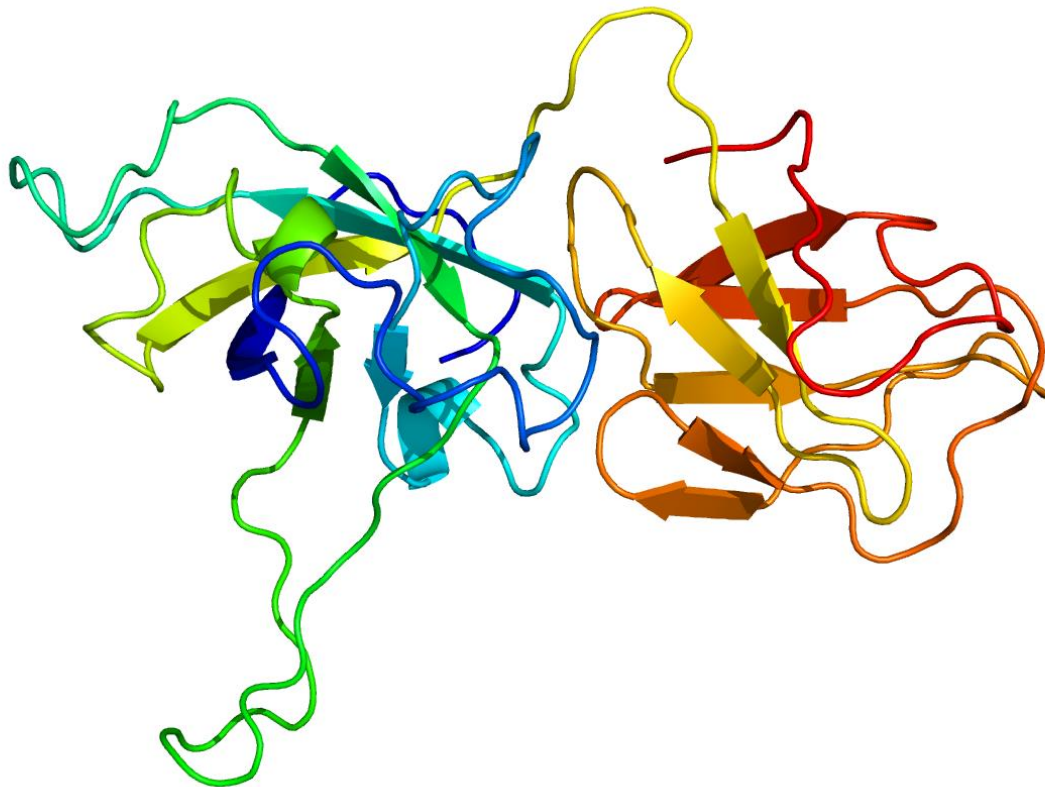
Locus: Seita.9G241400

Gene Model: Seita.9G241400.1.p

Description: SitEXPA-23

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>

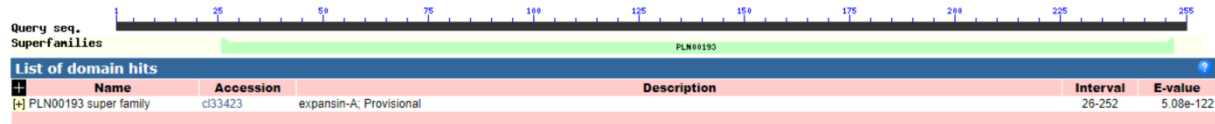
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-23

METPRPLAVFLAVATLLAAPAVVAAWSKGTATFYGGSDASGTMGGACGYGNLYST
GYGTATTALSQALFSGGASCGQCFQITCDSQTDGRWCRAGVSVTVTATNLCPNYYA
VPSDNGGWCNPPRAHFDMAQPAWVQIGVYQGGIIPVLYQRVRCVKQGGVRFTITGF
NHVELVLISNVGGSGSVASAWVQGTSTNRVPMSRNWGANWQSLAGIAGQALTFGV
TTTGGQTIQNVVPVNWAFGMSFISNLQFSY*

CDS (coding sequence)

>SitEXPA-23

ATGGAGACGCCAGACCTCTAGCGGTCTTCCTCGCCGTCGCCACGCTGCTCGCGG
CGCCGGCCGTCGTGGCGGCCTGGTCCAAGGGCACGGCCACGTTCTACGGCGGCA
GCGACGCCTCCGGCACAATGGGCGGCGCGTGCGGGTACGGCAACCTGTACTCGA
CGGGGTACGGCACGGCGACGACGGCGCTGAGCCAGGCGCTGTTCAGCGGCGGCG
CGTCATGCGGGCAGTGCTTCCAGATCACGTGCGACTCGCAGACGGACGGGCGGT
GGTGCCGGGCGGGCGTCTCCGTGACCGTGACGGCCACCAACCTCTGCCCGCCAA
CTACGCGGTCCCCAGCGACAACGGCGGGTGGTGCAACCCGCCGCGGGCGCACTT
CGACATGGCGCAGCCGGCCTGGGTCCAGATCGGCGTCTACCAGGGGCGGCATCATC
CCCGTGCTGTACCAGCGGGTGCAGGTGCGTCAAGCAGGGCGGCGTGCCTTACCA
TCACGGGGTTCAACCACTACGAGCTCGTGCTCATCTCCAACGTTCGGCGGCAGCGG
CTCGGTGGCCAGCGCGTGGGTGCAGGGCACCTCCACCAACCGGGTGCCATGAG
CAGGAAGTGGGGCGCCAACTGGCAGTCGCTCGCCGGGATCGCCGGCCAGGCGCT
CACCTTCGGCGTCACCACCACCGGCGGACAGACCATCGTGTTCCAGAACGTGGTG
CCGGTGAAGTGGGCGTTCGGCATGTCATTCATAAGCAACCTGCAGTTCTCCTACT
GA

Nucleotide

>SitEXPA-23

ATGGAGACGCCAGACCTCTAGCGGTCTTCCTCGCCGTCGCCACGCTGCTCGCGG
CGCCGGCCGTCGTGGCGGCCTGGTCCAAGGGCACGGCCACGTTCTACGGCGGCA
GCGACGCCTCCGGCACAATGGGTACGTGACCTATATACGCACGCGCTACCTAGCT
TCAAGCCTTCAAGTATTGAACAGAACAATTTCTCCTGCACGGTCCATGCATAATG
AACGATACATGTAAACAGGCGGCGCGTGCGGGTACGGCAACCTGTACTCGACGG

GGTACGGCACGGCGACGACGGCGCTGAGCCAGGCGCTGTTTCAGCGGCGGGCGCGT
CATGCGGGCAGTGCTTCCAGATCACGTGCGACTCGCAGACGGACGGGCGGTGGT
GCCGGGCGGGCGTCTCCGTGACCGTGACGGCCACCAACCTCTGCCCCGCCAACTA
CGCGGTCCCCAGCGACAACGGCGGGTGGTGCAACCCGCCGCGGGCGCACTTCGA
CATGGCGCAGCCGGCCTGGGTCCAGATCGGCGTCTACCAGGGCGGCATCATCCCC
GTGCTGTACCAGCGGGTGCGGTGCGTCAAGCAGGGCGGGCGTGGCGCTTCACCATCA
CGGGGTTCAACCACTACGAGCTCGTGCTCATCTCCAACGTTCGGCGGCAGCGGCTC
GGTGGCCAGCGCGTGGGTGCAGGGCACCTCCACCAACCGGGTGCCCATGAGCAG
GAACTGGGGCGCCAACTGGCAGTCGCTCGCCGGGATCGCCGGCCAGGCGCTCAC
CTTCGGCGTCACCACCACCGGCGGACAGACCATCGTGTTCCAGAACGTGGTGCCG
GTGAACTGGGCGTTCGGCATGTCATTCATAAGCAACCTGCAGTTCTCCTACTGATT
GTCATGTCACACCCTGCACTTTATTATTAGAGCCTAGCTAGGATGGAGCACTGAC
TGCTGGCTATAGCATTCAAGCCGTCAGTAGATAGATTATTTGGGAAAAGCTCTCC
GGCTGGAGCATTGCATTTGCATCATGTGCAGATATGTTTCGTTTTTCAGTTTGTACGT
GTAACCTTGATTGATTGCAGTAACTCAGACTCCACGTCACGCACGCTAGCGCATAG
CTA