

IDENTIFICATION

Species: *Setaria italica*

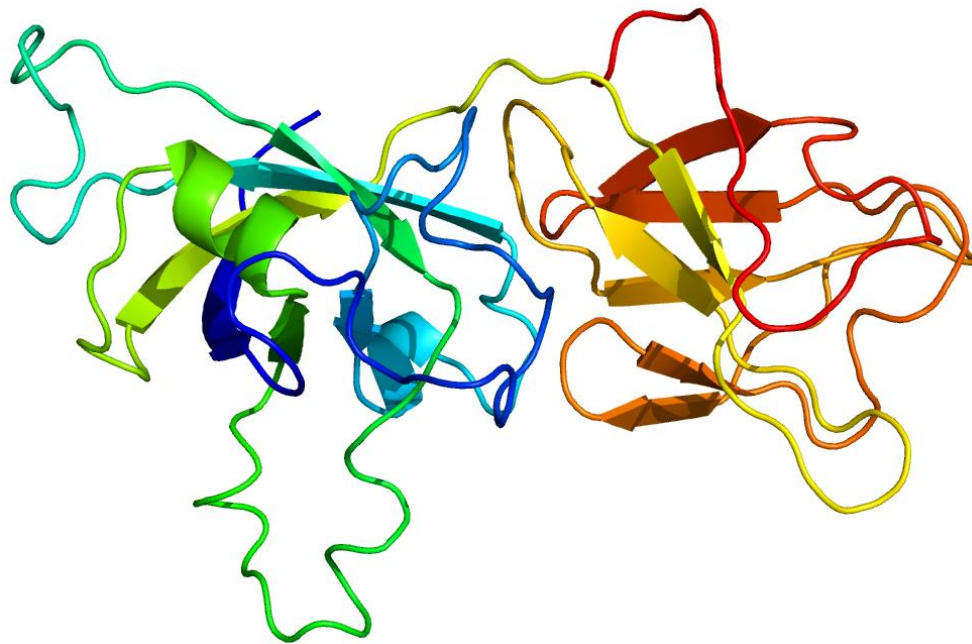
Locus: Seita.9G241700

Gene Model: Seita.9G241700.1.p

Description: SitEXPA-26

Family: Alpha Expansin

3D structure:



GENOME DATABASES

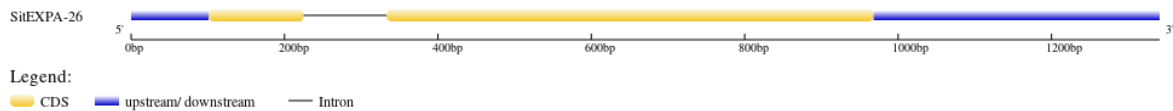
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

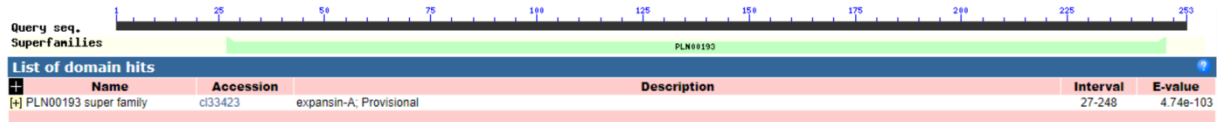
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-26

MDIAKSLILCTVLAACLALAAAQGSPGTATFYGGPDGSGTMGGACGYDNLNAGYG
VLNAALSQTLFNDGASCGQCYTITCDRSRTGGQYCKPGNSITVTATNLCPANYALPN
GGWCGPGRPHFDMSQPAWENIGIYQAGVIPVLYQQVKCSRSGGVRFSLAGSNYFLLV
NIQNLAGSGSVGAAWVKGDKTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTGG
QYIQFLNIVPAWWQFGQTFSNNYQNFAY*

CDS (coding sequence)

>SitEXPA-26

ATGGATATCGCCAAGTCCCTGATCTTGTGCACAGTCCTTGCGGCGTGCCTCGCGCT
CGCCGCGGCCAGGGCTCTCCCGGCACCGCCACGTTCTACGGTGGACCCGACGGC
TCCGGCACCATGGGTGGCGCCTGCGGGTACGACAACCTCTACAACGCCGGGTACG
GCGTGCTCAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGCGTCATGCG
GGCAGTGCTACACCATCACCTGCGACAGATCACGCACCGGCGGACAGTACTGCA
AGCCCGGCAACAGCATCACCGTCACGGCCACCAACCTCTGCCCGGCCAACTACGC
CCTGCCAACGGCGGCTGGTGC GGCCCGGGGCGCCCTCACTTCGACATGTCGCAG
CCGGCGTGGGAGAACATCGGAATCTACCAGGCCGGCGTCATCCCTGTCTGTACC
AGCAGGTCAAGTGCTCCCGCAGCGGCGGCGTGCCTTCAGCCTCGCCGGCTCCAA
CTACTTCCTCCTCGTCAACATCCAGAACCTCGCCGGAAGTGGCTCCGTGGGAGCC
GCCTGGGTCAAGGGCGACAAAACGGGGTGGATCCAGATGTCCAGGAACTGGGGC
GCCAACTGGCAGGCGCTCGCCGGGCTCGTCGGCCAGGGTCTCAGCTTCGCCGTGA
CCAGCACCGGCGGGCAGTACATTCAGTTCCTCAACATCGTGCCGGCGTGGTGGCA
GTTCGGCCAGACCTTCTCCAACAACCTACCAGAATTTGCCTACTGA

Nucleotide

>SitEXPA-26

GCTCAAAAACAATTAGCATCCAACCTCCATTGCCAGCTTCCTCGTCTGCTCCCAT
TTCCATCTCCTCTGCAGCTCTACCTGTGCATTGGCGTTGGCGTCCATGGATATCGC
CAAGTCCCTGATCTTGTGCACAGTCCTTGC GGCGTGCCTCGCGCTCGCCGCGGCC
CAGGGCTCTCCCGGCACCGCCACGTTCTACGGTGGACCCGACGGCTCCGGCACCA
TGGGTAAGCTGCCTTGCATGCATCACATTCGCTACAAGCTAGAAAGATCTGCAT
AGATGCACATTTTGCTTACTCGGCACGCACTGATGATCCAATGCATACGTGTGTA

GGTGGCGCCTGCGGGTACGACAACCTCTACAACGCCGGGTACGGCGTGCTCAAC
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AGCATCACCGTCACGGCCACCAACCTCTGCCCGGCCAACTACGCCCTGCCCAACG
GCGGCTGGTGC GGCCCGGGGCGCCCTCACTTCGACATGTCGCAGCCGGCGTG GGA
GAACATCGGAATCTACCAGGCCGGCGTCATCCCTGTCCTGTACCAGCAGGTCAAG
TGCTCCCGCAGCGGCGGCGTGCGCTTCAGCCTCGCCGGCTCCA ACTACTTCCTCCT
CGTCAACATCCAGAACCTCGCCGGAAGTGGCTCCGTGGGAGCCGCCTGGGTCAA
GGGCGACAAAACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCAACTGGCA
GGCGCTCGCCGGGCTCGTCGGCCAGGGTCTCAGCTTCGCCGTGACCAGCACCGGC
GGGCAGTACATTCAGTTCCTCAACATCGTGCCGGCGTG GTGGCAGTTCGGCCAGA
CCTTCTCCAACA ACTACCAGAATTTTCGCCTACTGAACTTTCAAGCAGGAGAGAT
CGAGCGCTTGGTCTCATTGGCCATTTCTTGCAATTCGGTCGTATGGCGAGTACGCT
CGTGATTTTGACGGAGCTTGCTCAACTTGCCATTGCATTCTTGTTGATGACCGCCT
GGCTCCGACTGCACACTGCAGGAGAAAACGGCTGGCATACTGGATTATTTACCC
TAACTGTAGATACAGCATATTATGCTATTGTGTACTTGACATCTTGATATACATA
CATACTAAATTTAAATCTGTTTCCGCACTATAATAGACTTCCAACTTGAGTAGTA
CGTGGATGTGTTAGTATAGCGTCGTCTTTCCATGGTTTTGAGCCATTACATTCTTG
CAATCATAGGCTCGAATC