

IDENTIFICATION

Species: *Setaria italica*

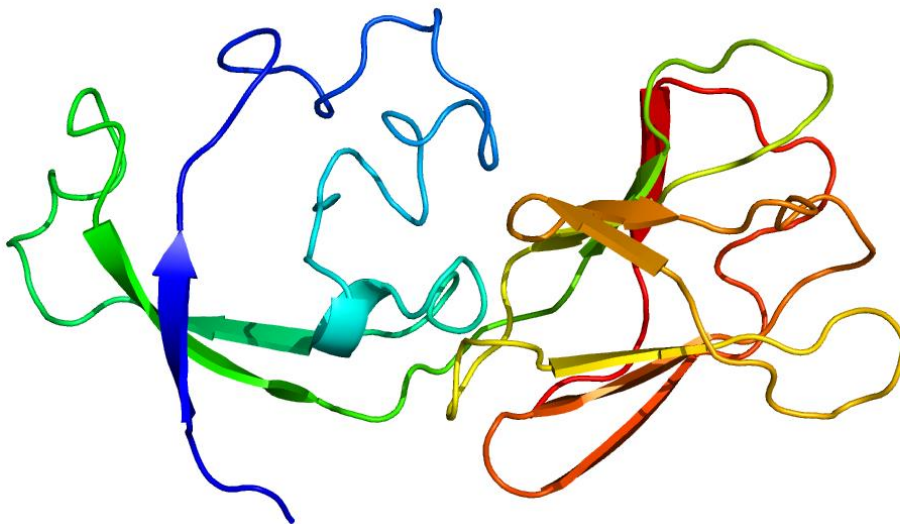
Locus: Seita.9G241900

Gene Model: Seita.9G241900.1.p

Description: SitEXPA-28

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

Query seq. MHNSLIILCTVVAACLALAAADWSPGTATFYGGVDGSGTMGGACGYDNLVYAGYGVNNAALSTTLFNDGASCGQCYLITCDGSRPGASVGAGIVPVLYQRVQCSRTGGVRFSGMAGSNYFLLVNIQNLGGSGSVGAAWVKGDRTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTGGQYIQFLNVVPGWWQFGMAFSTNQNFVY*

Superfamilies PLN00193

Name	Accession	Description	Interval	E-value
PLN00193 super family	c133423	expansin-A; Provisional	22-200	1.02e-67

SEQUENCES

Peptide

>SitEXPA-28

MANSLMLCTVVAACLALAAADWSPGTATFYGGVDGSGTMGGACGYDNLVYAGYGVNNAALSTTLFNDGASCGQCYLITCDGSRPGASVGAGIVPVLYQRVQCSRTGGVRFSGMAGSNYFLLVNIQNLGGSGSVGAAWVKGDRTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTGGQYIQFLNVVPGWWQFGMAFSTNQNFVY*

CDS (coding sequence)

>SitEXPA-28

ATGGCCAATTCCTGATGCTGTGCACGGTGGTTGCGGGCGTGCCCTCGCACTTGCCG
CCGCCGATTGGTCTCCAGGCACCGCCACATTCTACGGCGGAGTCGATGGCTCCGG
CACTATGGGAGGCGCGTGCGGGTACGACAACCTGTACAACGCCGGGTACGGCGT
CAACAACGCGGCTCTGAGCACGACGCTGTTCAACGACGGCGCGTCGTGCGGCCA
GTGCTACCTCATCACGTGCGACGGGTCGCGCCCCGGGCGCCAGCGTGGGAGCAGG
CATCGTCCCCGTCTTACCAGCGGGTCCAGTGCTCGCGCACCGGCGGCGTGCGG
TTCAGCATGGCCGGCTCCAACACTTCTTGCTCGTTAACATCCAGAACCTCGGCG
GCAGCGGCTCCGTGGGAGCCGCCTGGGTCAAGGGCGACAGGACGGGCTGGATCC
AGATGTCAAGGAACCTGGGGCGCCAACTGGCAGGCGCTCGCCGGGCTCGTCGGCC
AGGGTCTCAGTTTCGCCGTGACCAGCACCGGTGGGCAGTACATTCAGTTCCTCAA
CGTCGTGCCCGGCTGGTGGCAGTTTGGCATGGCCTTCTCCACTAACCAGAACTTC
GTGTACTAG

Nucleotide

>SitEXPA-28

ATGGCCAATTCCTGATGCTGTGCACGGTGGTTGCGGGCGTGCCCTCGCACTTGCCG
CCGCCGATTGGTCTCCAGGCACCGCCACATTCTACGGCGGAGTCGATGGCTCCGG
CACTATGGGTAAGCGTCCACCTATTCCATTCCGGTACAACCTTACAAGAGCCAGC
CAGCTCAAGAACTATATCAACACATTGCTACGTTTCAACAAGCACTACCGAATTA
CGTTGCCTCTAATAATGCATGGATGTCCATGATGAATTGATGATGCACAGGAGGC
GCGTGCGGGTACGACAACCTGTACAACGCCGGGTACGGCGTCAACAACGCGGCT
CTGAGCACGACGCTGTTCAACGACGGCGCGTCGTGCGGCCAGTGCTACCTCATCA
CGTGCGACGGGTCGCGCCCCGGGCGGCCAGTAGTGAAGCCCGGCAACAGTATCA
CCGTCTCAGCCACTGCACCAACTTGTGCCCGCCAACTACGCGCTGCCCAACGGC

GGCTGGTGCGGCCCGGGGCGCCCCACTTCGACATGTCGCAGCCAGCGTGGGAG
CAGGCATCGTCCCCGTCTCTACCAGCGGGTCCAGTGCTCGCGCACCGGCGGGCGT
GCGGTTTCAGCATGGCCGGCTCCAACACTTCTTGCTCGTTAACATCCAGAACCTC
GGCGGCAGCGGCTCCGTGGGAGCCGCCTGGGTCAAGGGCGACAGGACGGGCTGG
ATCCAGATGTCAAGGAACTGGGGCGCCAACACTGGCAGGCGCTCGCCGGGCTCGTC
GGCCAGGGTCTCAGTTTCGCCGTGACCAGCACCGGTGGGCAGTACATTCAGTTCC
TCAACGTCGTGCCCGGCTGGTGGCAGTTTGGCATGGCCTTCTCCACTAACCAGAA
CTTCGTGTACTAGTGAAAACGTGCAAGTAGTGGTAGAGTGCGTGCTCACTCGAGA
CGGTGTGTGTGTTCTTCATTTGGTGGAGCTATATGCACTTCCTGTTTTATTCAACA
CCGTAGATATGATGTTAGGATATTATATA