

IDENTIFICATION

Species: *Setaria italica*

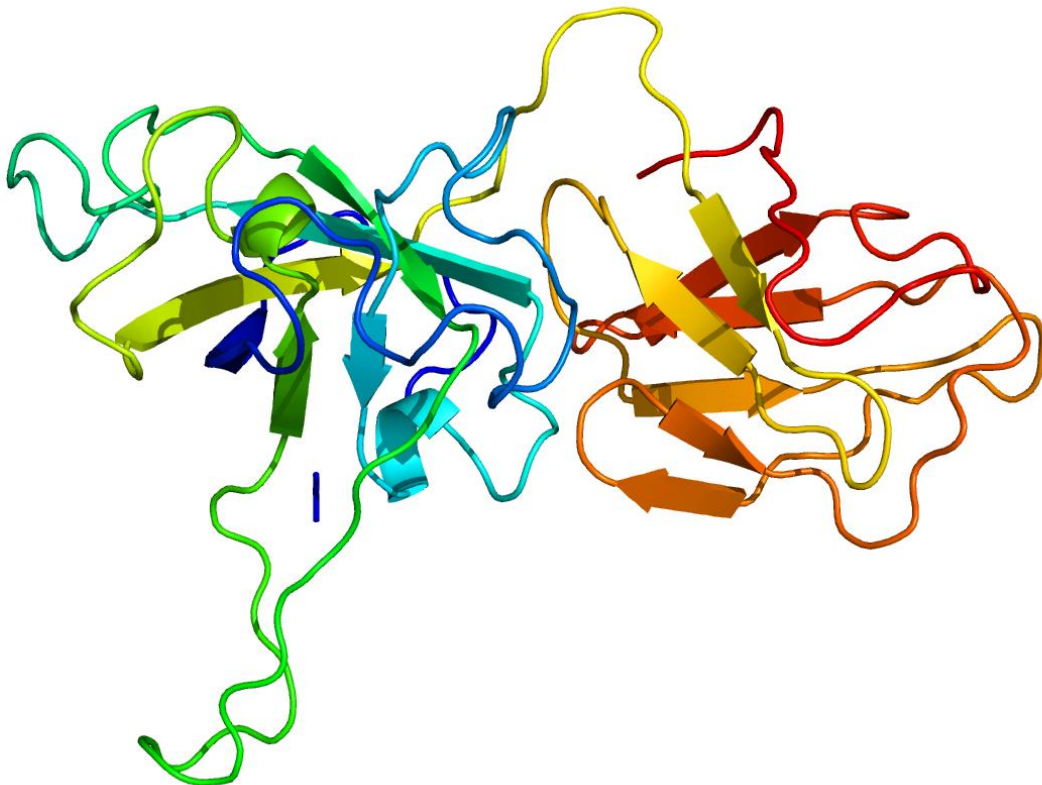
Locus: Seita.1G008200

Gene Model: Seita.1G008200.1.p

Description: SitEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

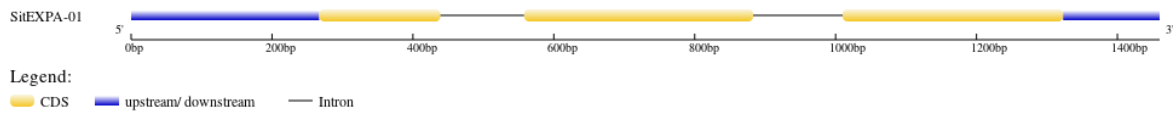
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

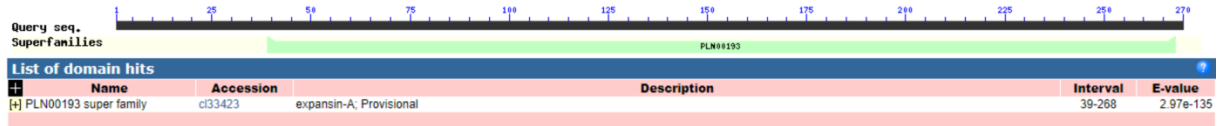
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-01

MAPAPVLAVVLLAVAWLSAAAAADGAATSTSSSPAPVGGWLKAHATFYGGADASG
TMGGACGYGNLYSQGYGTRTAALSTALFNDGASCGQCYKIACDRKRANPMFCKPG
VTVTVTATNFCPPNYGLPSDNGGWCNPPRPHFDMAQPAWEKIGVYSGGIIPVMYRR
VPCLKRGGVRFTHDHFNLVLVANVAAAGSIKSMDVKSSSSDNWIPMARNWGAN
WHSLAYLTGQMLSFRVTDTDGQTLEFTNVVPKGWKFGQTFASKIQFK*

CDS (coding sequence)

>SitEXPA-01

ATGGCTCCAGCTCCAGTTCTTGCAGTCGTGTTGCTCGCAGTCGCTTGGCTGTCGGC
CGCGGCCGCTGCTGATGGCGCTGCCACCAGCACTTCATCGTCTCCGGCGCCGGTC
GGAGGATGGCTGAAGGCGCATGCCACGTTCTACGGCGGCGCTGACGCCTCCGGC
ACCATGGGAGGGGCGTGCGGGTACGGGAACCTGTACTCGCAGGGCTACGGCACG
CGCACGGCGGCGCTAAGCACGGCGCTCTTCAACGATGGCGCGTTCGTGCGGGCAG
TGCTACAAGATCGCCTGCGACCGCAAGAGGGCGAACCCGATGTTCTGCAAGCCC
GGCGTCACGGTCACCGTCACCGCCACCAACTTCTGCCCGCCAACTACGGGCTGC
CCAGCGACAACGGCGGCTGGTGCAACCCGCGCGCCCCACTTCGACATGGCGC
AGCCGGCCTGGGAGAAGATCGGCGTCTACAGCGGAGGCATCATCCCCGTCATGT
ACAGAAGAGTTCCTTGCCCTGAAGCGAGGTGGAGTGCGGTTACGATCAACGGGC
ACGACTACTTCAACCTTGTGCTTGTGGCCAATGTGGCAGCTGCCGGCTCCATCAA
GTCCATGGACGTCAAGAGCTCCAGTTCGGATAATTGGATAACCAATGGCGCGCAAC
TGGGGAGCGAACTGGCACTCTCTTGCGTACCTTACTGGGCAAATGCTCTCGTTTA
GAGTACCGACACTGATGGGCAGACACTTGAATTCACAAACGTGGTGCCAAAAG
GATGGAAATTTGGCCAAACATTCGCGAGCAAGATACAGTTCAAGTGA

Nucleotide

>SitEXPA-01

CGGCTTGCTTCATTCGGTGCCCTTGATTTTTTTTAAACCAATCCTCTAGCTCTAGCCA
CCAACGTCCAATGACCAATCCATTCCTGATTACCAAGGATCAGGCCGTGTATATA
TACGTACCAAATCATCGCACAAATCATCACAACAGAATCCATCGATCCTTGGTTC
CATACATCCAAACAAAGCACAGTTCTCTTGCACTGTGCAGCAAATCTTAGCTTTG
AGAGATATAGCTTCCTTCCGTCCGGTTCTATTCCACGATCGAGCCATGGCTCCAGC

TCCAGTTCTTGCAGTCGTGTTGCTCGCAGTCGCTTGGCTGTTCGGCCGCGGCCGCTG
CTGATGGCGCTGCCACCAGCACTTCATCGTCTCCGGCGCCGGTTCGGAGGATGGCT
GAAGGCGCATGCCACGTTCTACGGCGGCGCTGACGCCTCCGGCACCATGGGTAA
GTATAGCCTTTCTCTATGCCATGACGCAAACCTGCAGTTACTGCACACCCTAGCTA
AGAGGCAGATCGAGTGATTAATGCTATGTACCTTGATGTCCACATCATTGTATTT
GCAGGAGGGGCGTGCGGGTACGGGAACCTGTA CTGCGAGGGCTACGGCACGCGC
ACGGCGGCGCTAAGCACGGCGCTCTTCAACGATGGCGCGTCGTGCGGGCAGTGCT
ACAAGATCGCCTGCGACCGCAAGAGGGCGAACCCGATGTTCTGCAAGCCCCGGCG
TCACGGTCACCGTCACCGCCACCAACTTCTGCCCGCCAACTACGGGCTGCCCAG
CGACAACGGCGGCTGGTGCAACCCGCCGCGCCCCACTTCGACATGGCGCAGCC
GGCCTGGGAGAAGATCGGCGTCTACAGCGGAGGCATCATCCCCGTCATGTACAG
AAGGTGCGAAGATAATAGGATTTTGTCTTTAATTTTCATATCTACATTATTCTCTCA
AGTAAGAATTTTCCAACAAATTATCACTGTTGCTGGAAGCATATAAATTAATTA
TAGAAATTCTTGCTTGCAGAGTTCCTTGCCTGAAGCGAGGTGGAGTGCGGTTTAC
GATCAACGGGCACGACTACTTCAACCTTGTGCTTGTGGCCAATGTGGCAGCTGCC
GGCTCCATCAAGTCCATGGACGTCAAGAGCTCCAGTTCGGATAATTGGATACCAA
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TCCTATTCAGCAGCTATGGCTTGTATGTC