

IDENTIFICATION

Species: *Setaria italica*

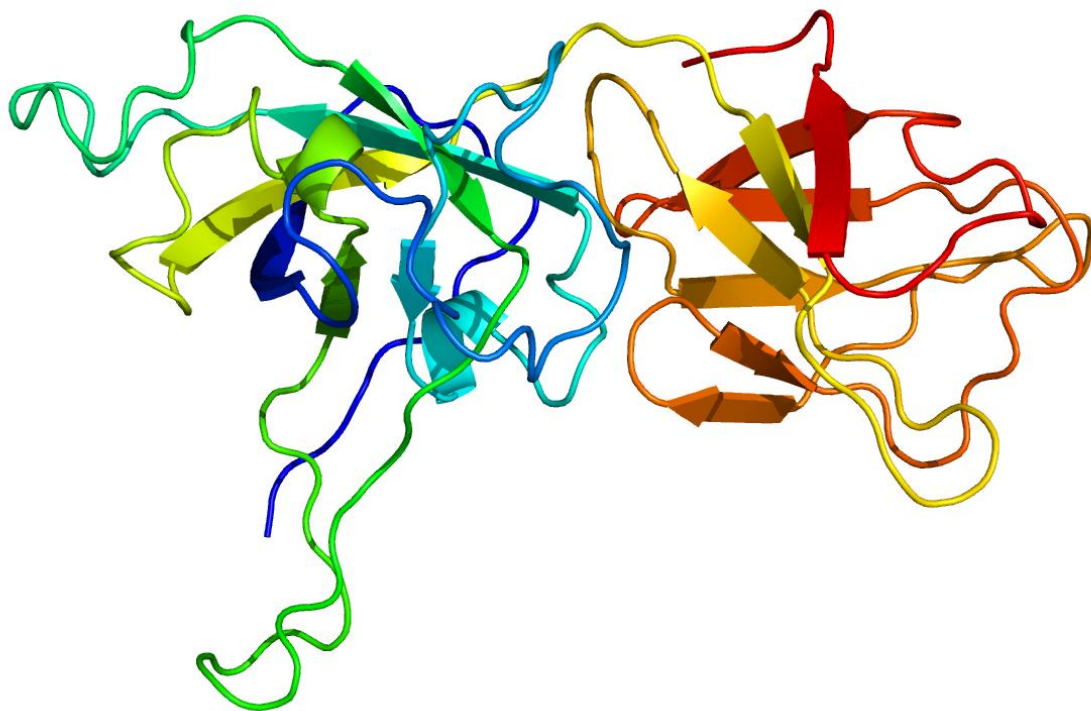
Locus: Seita.1G008300

Gene Model: Seita.1G008300.1.p

Description: SitEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

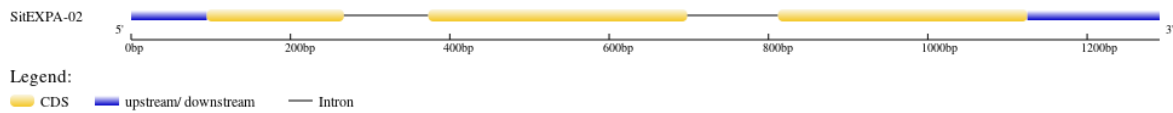
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

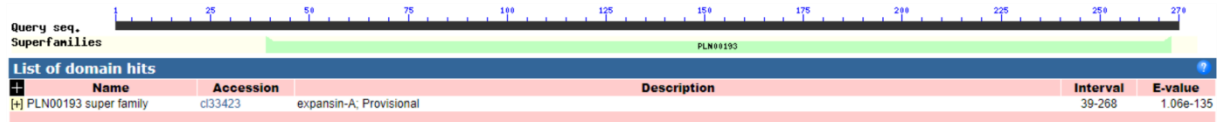
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-02

MAPARVLA VVLLAVVLSAAAAADDAATGTSSSPAPVGGWLKAHATFYGGADASG
TMGGACGYGNLYSQGYGTRTAALSAALFNDGASCGQCYKIACDRKRANPLFCCKPG
VTVTVTATNFCPPNYGLPSDNGGWCNPPRPHFDMAQPAWEKIGVYRGGIIPVMYRR
VPCVKRGGVRFTHDGFNLVLANVAAAGSIKSMDVKASNSNNWIPMARNWGA
NWSLAYLTGQMLSFRTDQTDGQTLFNTNVPKGGWKFGQTFASKLQFK*

CDS (coding sequence)

>SitEXPA-02

ATGGCTCCAGCTCGAGTTCCTTGCAGTCGTGTTGCTCGCAGTCGTCTCGTTGTCGGC
CGCGGCCGCTGCTGATGACGCTGCCACCGGCACTTCATCGTCTCCGGCGCCGGTC
GGAGGATGGCTGAAGGCGCATGCCACGTTCTACGGCGGCGCTGACGCCTCCGGC
ACCATGGGCGGGCCTTGCGGGTACGGGAATCTCTACTCGCAGGGCTACGGCACGC
GCACGGCGGCGCTCAGTGCAGCTCTGTTCAACGATGGTGCTTCGTGCGGGCAGTG
CTACAAGATCGCCTGCGACCGCAAGAGGGGCGAACCCGTTGTTCTGCAAGCCCGGC
GTCACGGTCACCGTCACCGCCACCAACTTCTGCCCGCCAACTACGGGCTGCCCA
GCGACAACGGCGGCTGGTGCAACCCGCCGCGCCCCACTTCGACATGGCGCAGC
CGGCGTGGAAGAAGATCGGCGTCTACCGCGGCGGCATCATCCCCGTCATGTACAG
AAGAGTACCCTGCGTGAAGCGAGGTGGAGTGCAGTTCACGATCAACGGGCATGA
CTACTTCAATCTTGTGCTTGTGGCCAATGTCGCAGCTGCCGGCTCCATCAAGTCCA
TGGATGTCAAGGCCTCCA ACTCAAATAATTGGATTCCAATGGCGCGCAACTGGGG
TGCCA ACTGGCACTCTCTTGCATACCTCACGGGACAAATGCTCTCGTTTAGGGTC
ACTGACACTGATGGACAGACTCTTGAATTCACAAACGTGGTGCCAAAAGGATGG
AAGTTTGGCCAAACATTTGCATCCAAGTTACAGTTCAAGTGA

Nucleotide

>SitEXPA-02

AGTTCCATACATCCAAACAAACCAGTTCCTTGTACTGTCCAGAAAAATCTTAGCTT
GAGAGATATAGCTTACTTCCGTGCGGTTTCGAGCCACAGGTATGGCTCCAGCTCGA
GTTCTTGCAGTCGTGTTGCTCGCAGTCGTCTCGTTGTCGGCCGCGGCCGCTGCTGA
TGACGCTGCCACCGGCACTTCATCGTCTCCGGCGCCGGTTCGGAGGATGGCTGAAG
GCGCATGCCACGTTCTACGGCGGCGCTGACGCCTCCGGCACCATGGGTAAGTATA

GCCTTTCTCTTATGCCATGACGCAAACCTGCTGTTACTGAAACACCCTAGCTAGCTG
ATCGAGACATAACGTGATGTCCGCATCATTGTATTTGGCAGGCGGGCGCTTGCGGG
TACGGGAATCTCTACTCGCAGGGCTACGGCACGCGCACGGCGGGCGCTCAGTGCA
GCTCTGTTCAACGATGGTGCTTCGTGCGGGCAGTGCTACAAGATCGCCTGCGACC
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CACCAACTTCTGCCCGCCCAACTACGGGCTGCCCAGCGACAACGGCGGGCTGGTGC
AACCCGCCGCGCCCCACTTCGACATGGCGCAGCCGGCGTGGGAGAAGATCGGC
GTCTACCGCGGGCGGCATCATCCCCGTCATGTACAGAAGGTGTGTGCAGATTA
TTCCCTCCTCTACTCTGATATCTCCTAATTAGGCAGCAATTGTCCAAAGAAAAATAT
CACCTGCAACAGTATGTTAATTACAAAGTTCTTGCGTGCAGAGTACCCTGCGTGA
AGCGAGGTGGAGTGCGGTTACGATCAACGGGCATGACTACTTCAATCTTGTGCT
TGTGGCCAATGTCGCAGCTGCCGGCTCCATCAAGTCCATGGATGTCAAGGCCTCC
AACTCAAATAATTGGATTCCAATGGCGCGCAACTGGGGTGCCAACTGGCACTCTC
TTGCATACCTCACGGGACAAATGCTCTCGTTTAGGGTCACTGACACTGATGGACA
GACTCTTGAATTCACAAACGTGGTGCCAAAAGGATGGAAGTTTGGCCAAACATTT
GCATCCAAGTTACAGTTCAAGTGAGAGCTCCATACGTGATTGATATGTGATATGG
TCAAATACTGCTTGAATTGCATGTGTTGTATGCGTGTGTGTGTGTGTTCTTAGCA
GATATGCCTCCTATTCTTTCTATTGTACATAAAGATATTTAAATTATTTGTGCATT
GCTCTACATACTCTTCATTCATA