

IDENTIFICATION

Species: *Setaria italica*

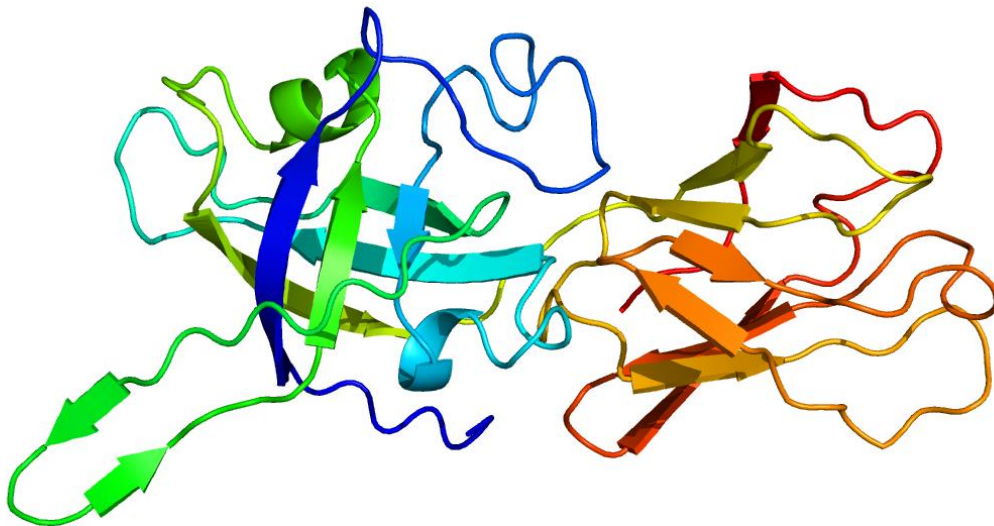
Locus: Seita.6G086300

Gene Model: Seita.6G086300.1.p

Description: SitEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

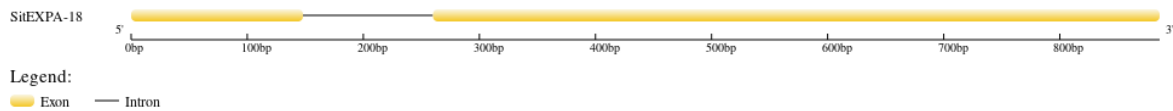
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

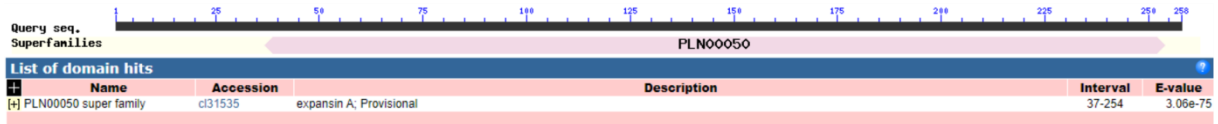
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-18

MDTSASPSSSRFAAAAVVVVAAALLLLLPALSAADDWEDAHATFYGDETEGACGYG
NLFEQGYGLETTALSVALFGEGRACGGCYELRCQGSSYCAPGGAPVTVTATNLCPAN
YSKPNENWCNPLRHFDSLKPMFLRLVTDHFVGIIPVQYRRVPCAKRGGVRFEMKGN
QWWVAVLVFNVAGAGDVKAMAVRGSWDGQWADMSRNWGQIWTSGDSRHVGQG
LSFRVVAGDGRSVELDNVVPQGWAFGQSFEGRGQF*

CDS (coding sequence)

>SitEXPA-18

ATGGATAACAAGTGCGTGCGCGTCTCGCTTTGCGGCAGCCGCCGTCTGTGG
TGGTGGCGGGCGGCGCTGCTGCTGCTGCTGCCGGCCTTGTCGGCCGCCGACGACTG
GGAGGACGCGCACGCCACGTTCTACGGCGACGAGACCGAGGGCGCGTGC GGTA
CGGCAACCTGTTTCGAGCAGGGGTACGGGCTGGAGACGACGGCGCTGAGCGTGGC
GCTCTTCGGCGAGGGCAGGGCCTGCGGCGGCTGCTACGAGCTCCGGTGCCAGGG
CAGCTCCTACTGCGCCCCCGGCGGCGCGCCGGTGACGGTGACGGCGACGAACCT
GTGCCCGGCGAACTACTCCAAGCCCAACGAGAACTGGTGCAACCCGCCGCTGCG
GCACTTCGACCTGTCCAAGCCCATGTTCCCTGCGCCTCGTCACCGACTTCCACGTGC
GCATCATCCCCGTGCAGTACCGCCGCGTGCCCTGCGCCAAGCGCGGCGGCGTGC
CTTCGAGATGAAGGGCAACCAGTGGTGGGTCGCCGTGCTCGTCTTCAACGTCGCC
GGCGCCGGGACGTCAAGGCCATGGCCGTCAGGGGGTTCATGGGACGGGCAGTGG
GCGGACATGTCGCGGAACTGGGGGCAGATCTGGACCAGCGGCGACAGCCGCCAC
GTCGGGCAGGGCCTCTCGTTCCGCGTCTGTTGCTGGCGACGGCAGGTCAGTGGAGC
TGGACAACGTCGTGCCGAGGGGTGGGCGTTCGGCCAGAGCTTCGAGGGCAGGG
GTCAGTTTTGA

Nucleotide

>SitEXPA-18

ATGGATAACAAGTGCGTGCGCGTCTCGCTTTGCGGCAGCCGCCGTCTGTGG
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GTAAGAAATAAGAATACTCCACTATCTTGGTTTATTTGTCGTTTGTCTGGCACG
CACGTGCGTCATAGTGTGTGGCTTTCGATCGTGCACGCAGAGGGCGCGTGC GGTT

ACGGCAACCTGTTTCGAGCAGGGGTACGGGCTGGAGACGACGGCGCTGAGCGTGG
CGCTCTTCGGCGAGGGCAGGGCCTGCGGCGGCTGCTACGAGCTCCGGTGCCAGG
GCAGCTCCTACTGCGCCCCGGCGGCGCGCCGGTGACGGTGACGGCGACGAACC
TGTGCCCCGGCGAACTACTCCAAGCCCAACGAGAACTGGTGCAACCCGCCGCTGCG
GCACTTCGACCTGTCCAAGCCCATGTTCTGCGCCTCGTCACCGACTTCCACGTCG
GCATCATCCCCGTGCAGTACCGCCGCGTGCCCTGCGCCAAGCGCGGCGGCGTGCG
CTTCGAGATGAAGGGCAACCAGTGGTGGGTCGCCGTGCTCGTCTTCAACGTCGCC
GGCGCCGGGGACGTCAAGGCCATGGCCGTCAGGGGGTCATGGGACGGGCAGTGG
GCGGACATGTCGCGGAACTGGGGGCAGATCTGGACCAGCGGCGACAGCCGCCAC
GTCGGGCAGGGCCTCTCGTTCCGCGTCGTTGCTGGCGACGGCAGGTCAGTGGAGC
TGGACAACGTCGTGCCGCAGGGGTGGGCGTTCCGCCAGAGCTTCGAGGGCAGGG
GTCAGTTTTGA