

IDENTIFICATION

Species: *Setaria italica*

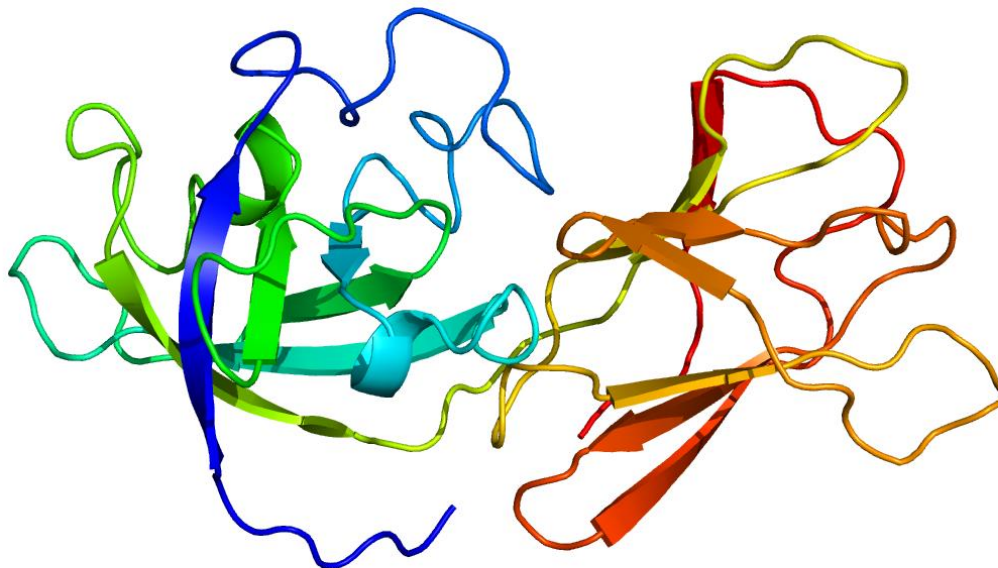
Locus: Seita.9G342900

Gene Model: Seita.9G342900.1.p

Description: SitEXPA-32

Family: Alpha Expansin

3D structure:



GENOME DATABASES

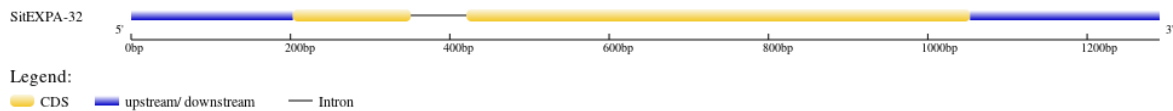
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

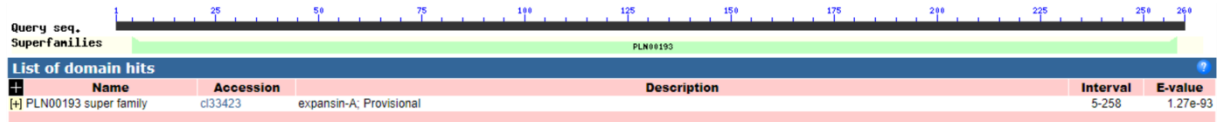
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-32

MASPSTAILLALVIALACAATTADARFTAMQWTPAHATFYGDETA AETMGGACGYG
NLYATGYGTDTAALSTTLFKDGYGCGTCYQIRCAGSRWCYWGSPVITVTATNLCPP
NWAQDTNNGGWCNPPRTHFDLSKPAFMKMAQWRAGIVPVMYRRVPCVRRGGLRF
ALQGNPYWLLAYVMNVAGAGDVAEMWVRSARGAWVRMSHNWGASYQAFACL
GGRSLSFKVTSYTTRQTVVATDVAPANWCLGLTYQARVNFS*

CDS (coding sequence)

>SitEXPA-32

ATGGCTTCTCCATCCACAGCCATCTTGTGGCCCTCGTCATCGCATTGGCCTGTGC
GGCCACCACGGCGGACGCGAGGTTACGGCGATGCAGTGGACTCCGGCGCACGC
CACGTTCTACGGCGACGAGACCGCGGCTGAGACCATGGGTGGGGCGTGCGGGTA
CGGCAACCTGTACGCGACCGGGTACGGCACGGACACGGCGGGCGCTGAGCACGAC
GCTGTTCAAGGACGGGTACGGGTGCGGGACGTGCTACCAGATCCGGTGC GCGGG
CTCCCGCTGGTGCTACTGGGGCTCCCGGTGATCACGGTGACGGCCACCAACCTG
TGCCCGCCCAACTGGGCGCAGGACACCAACAACGGCGGGTGGTGCAACCCGCCG
CGCACCCACTTCGACCTCTCCAAGCCGGCCTTCATGAAGATGGCGCAGTGGCGCG
CCGGCATCGTGCCGGTGTGTACCGCCGGGTGCCGTGCGTGAGGCGGGGCGGCCCT
CCGGTTCGCGCTCCAGGGGAACCCCTACTGGTTGCTGGCGTACGTCATGAACGTC
GCCGGCGCCGGCGACGTCGCGGAGATGTGGGTGAGGAGCGGCGCACGCGGCGCA
TGGGTGCGCATGAGCCAACTGGGGCGCGTTCGTACCAGGCGTTCGCGCAGCTCG
GCGGACGGTCGCTCAGCTTCAAGGTGACGTCCTACACCACGCGGCAGACCGTCGT
AGCCACCGACGTCGCGCCGGCCAACTGGTGCCTCGGGCTCACGTACCAGGCCCGC
GTCAACTTCTCCTGA

Nucleotide

>SitEXPA-32

CACGGCCCCGGGTGTGCGCGCACGTCGTCGCGTGAAGTCGTGAACGATGTGTTC
CTGCCAATCATCACC AACTACCTCTTCGGTTGATCCGACGCAAGCTATAAATA
CAGCAGTAGCCCTTGGCCATTGCATCGCCTGCAGAGTTCAGCTGCTCAAGCAAGT
TACGGTAGAACGCCACGAGCAGAAACAAAACAGAGCCATGGCTTCTCCATCCA
CAGCCATCTTGTGGCCCTCGTCATCGCATTGGCCTGTGCGGCCACCACGGCGGA

CGCGAGGTTACGGCGATGCAGTGGACTCCGGCGCACGCCACGTTCTACGGCGAC
GAGACCGCGGCTGAGACCATGGGTACGCTGCTATCTGCCACGCTCGTTTTCTCTT
GGCATTTGGTGTTTTTGCTTACGGGTTTCATCCACAGGTGGGGCGTGCGGGTACG
GCAACCTGTACGCGACCGGGTACGGCACGGACACGGCGGGCGCTGAGCACGACGC
TGTTCAAGGACGGGTACGGGTGCGGGACGTGCTACCAGATCCGGTGCGCGGGCT
CCCCTGGTGCTACTGGGGCTCCCCGGTGATCACGGTGACGGCCACCAACCTGTG
CCCGCCCAACTGGGCGCAGGACACCAACAACGGCGGGTGGTGCAACCCGCCGCG
CACCCACTTCGACCTCTCCAAGCCGGCCTTCATGAAGATGGCGCAGTGGCGCGCC
GGCATCGTGCCGGTGATGTACCGCCGGGTGCCGTGCGTGAGGCGGGGCGGCCTCC
GGTTCGCGCTCCAGGGGAACCCCTACTGGTTGCTGGCGTACGTACATGAACGTCGC
CGGCGCCGGCGACGTGCGGGAGATGTGGGTGAGGAGCGGCGCACGCGGCCATG
GGTGCGCATGAGCCACAACCTGGGGCGCGTCGTACCAGGCGTTCGCGCAGCTCGG
CGGACGGTCGCTCAGCTTCAAGGTGACGTCCTACACCACGCGGCAGACCGTCGTA
GCCACCGACGTGCGGCCGGCCAACCTGGTGCCTCGGGCTCACGTACCAGGCCGCG
TCAACTTCTCCTGAATTGAGAGGCCGGCGGGGCACGACGTTCCGTAGCAGAAGTT
TGCAGGAGCTGTGATACTGAGAGCGCTCTGCCCTGCTATGATGTTTCGTTGTTTC
CTCTGTTTCTCGTAGTTCAAGTTCATTCAGATTTTCAGAGTTGGGACCGTGTCGCGC
GTTGCCCCCGTCCATGAGCGGTGGGTTTGACGCCAGCATTATTGATGTAAACTTTC
CTTAAATTGAAATGCAACACTGAAATTA