

IDENTIFICATION

Species: *Setaria italica*

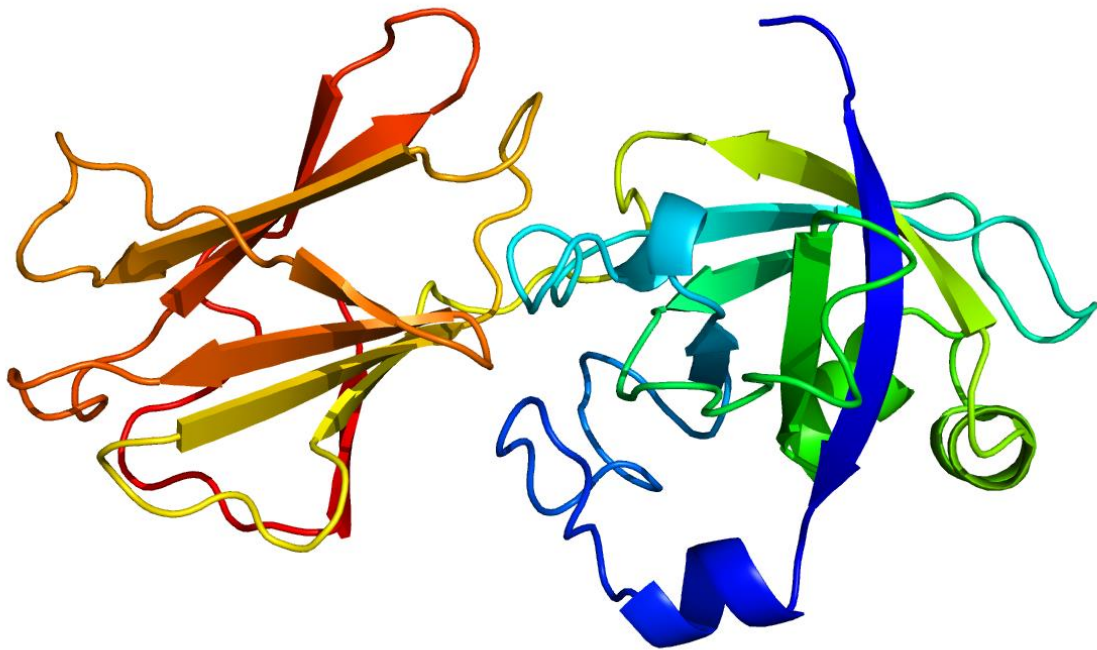
Locus: Seita.7G190700

Gene Model: Seita.7G190700.1.p

Description: SitEXPB-13

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

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

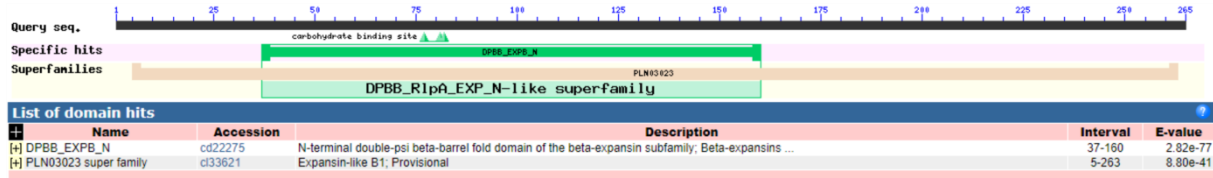
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-13

MASKSQLLLFIAVAAIASLLHPCESIEFHRKLSSWSSDGGATWYGAATGAGSDGGAC
GYQGAVDQAPFSSMIAAGNPSIYKSGKGCSCYQVKCTGNDACSGNPVTVVITDECP
GGGACSNEPVHFDMSGTAFGAMAKPGQAELRAAGVLQIQYSRVQCSWPGVQLTF
VVDAGSNPNYFAVLIKYLNGDGDLSAVDLMQTGAGAAWTPMQQSWGAVWKYNA
GSALQAPLSIRLTSSSGKQLVASNVIPVGWKPAAAYQSAVNY*

CDS (coding sequence)

>SitEXPB-13

ATGGCTTCCAAGTCCCAGCTTCTGCTCTTCATTGCGGTTGCAGCGATCGCCTCGCT
CCTCCATCCTTGCGAATCCATCGAGTTCCATCGGAAGCTCTCCAGCTGGTCCAGC
GACGGCGGCGCGACGTGGTACGGCGCCGCTACTGGGGCTGGAAGCGATGGCGGG
GCTTGTGGCTACCAGGGTGCCTGCGACCGAGGCGCCGTTCTCGTCCATGATCGCCG
CCGGCAACCCTTCCATCTACAAATCCGGCAAGGGCTGCGGCTCTTGCTACCAGGT
GAAATGCACCGGTAATGACGCTTGCTCCGGCAACCCAGTTACCGTCGTCATCACC
GACGAATGCCCGGCGGCGGCGCGTGCTCGAACGAGCCGGTCCACTTCGACATG
AGCGGGACGGCGTTTGGCGCCATGGCGAAGCCCGGCCAAGCCGAGAAGCTGCGC
GCCGCCGGTGTCTCCAAATCCAGTACTCCCGCGTGCAGTGCAGCTGGCCCGGAG
TACAGCTAACCTTCGTCGTGGACGCGGCTCGAACCCGAACCTTCGCCGTGCT
CATCAAGTACCTGAACGGCGACGGCGACCTCTCGGCCGTCGACCTCATGCAGACC
GGGGCCGGGGCGGCGTGGACGCCATGCAGCAGTCGTGGGGCGCCGTCTGGAAG
TACAACGCCGGATCGGCACTGCAGGCGCCCTTGTCATCCGCCTCACGTCCAGCT
CCGGCAAGCAGCTCGTCGCCAGCAACGTCATCCCCGTCGGCTGGAAGCCGGGCG
CCGCCTACCAGTCGGCGGTTAACTACTGA

Nucleotide

>SitEXPB-13

GCCTCCTCTCCTAGCTACTACACAAATCCTTGTGCAAGTGAAACCAGGAGATCAG
CAGCCAGAGACAGGGAAGAAACAGCTAGCTATGGCTTCCAAGTCCCAGCTTCTG
CTCTTCATTGCGGTTGCAGCGATCGCCTCGCTCCTCCATCCTTGCGAATCCATCGA

GTTCCATCGGAAGCTCTCCAGCTGGTCCAGCGACGGCGGCGCGACGTGGTACGGC
GCCGCTACTGGGGCTGGAAGCGATGGTATGTTCTGTTCTGTGTCACAGTACTATA
TTCTGCCTAAACTATTGGCTCATTTCTCAACGACATGCTGAATACACGTAGGCGG
GGCTTGTGGCTACCAGGGTGCCGTCGACCAGGCGCCGTTCTCGTCCATGATCGCC
GCCGGCAACCCTTCCATCTACAAATCCGGCAAGGGGCTGCGGCTCTTGCTACCAGG
TGCGTACATATATGTTGTAAAGTTTGCTGGATGGGGTACCATGCACAATGCACCA
GCAACTATATGCGTGTTGCCATCTAATTAACGTGATAGGAAATGTTCAACGTTGG
CTCAGGTGAAATGCACCGGTAATGACGCTTGCTCCGGCAACCCAGTTACCGTCGT
CATCACCGACGAATGCCCCGGCGGCGGCGCGTGTGCTCGAACGAGCCGGTCCACTTC
GACATGAGCGGGACGGCGTTTGGCGCCATGGCGAAGCCCGGCCAAGCCGAGAAG
CTGCGCGCCCGGTTGTCCTCCAAATCCAGTACTCCCGGTAAGCATCCATGCACG
CTAACGCAACTACACATCCACGTACGTGGTATCACACACAGAGCCACGTAACGA
ACTGTCTTTTAATTTCTTACAACGATGCGCGTGATGTTGTGTACAGCGTGCAGTGC
AGCTGGCCCGGAGTACAGCTAACCTTCGTCGTGGACGCCGGCTCGAACCCGAACT
ACTTCGCCGTGCTCATCAAGTACCTGAACGGCGACGGCGACCTCTCGGCCGTCGA
CCTCATGCAGACCGGGGCGGGGCGGCGTGGACGCCCATGCAGCAGTCGTGGGG
CGCCGTCTGGAAGTACAACGCCGGATCGGCACTGCAGGCGCCCTTGTCCATCCGC
CTCACGTCCAGCTCCGGCAAGCAGCTCGTCGCCAGCAACGTCATCCCCGTCGGCT
GGAAGCCGGGCGCCGCCTACCAGTCGGCGGTAACTACTGA