

IDENTIFICATION

Species: *Setaria italica*

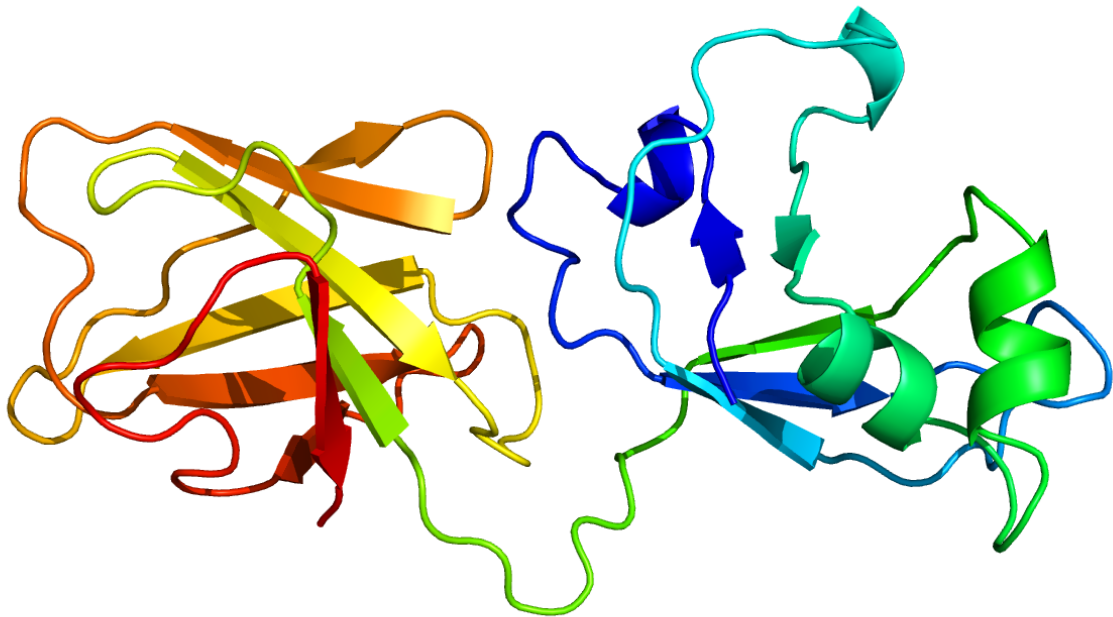
Locus: Seita.9G157100

Gene Model: Seita.9G157100.2.p

Description: SitEXPB-17

Family: Beta Expansin

3D structure:



GENOME DATABASES

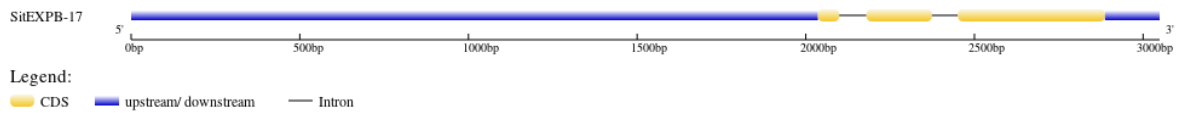
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

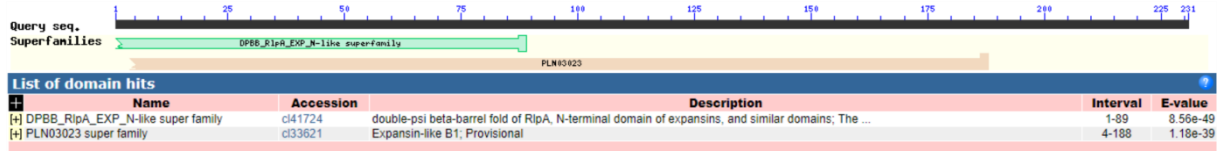
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-17

MIAAGCSSIYDSGKGCSCYQVVCTGNGGCSGNPVTVVITDECPDCPCPDDQVHFDM
SGTAFGAMAKPGQEGQLRGAGSIQIQYKR VQCEWPGV NATFSVESGSSPSYLA VLIE
YEDGSDDLDAVDIMQGGSGQWVPMQQSWGAVWKLNSASPLQGPDIRLTFSSGRVL
VASNAIPAGWNAGVA YRSGGVAVARARPRSGGCRSHDAAGTSLGLVYVLLLLVLFL
GLEL*

CDS (coding sequence)

>SitEXPB-17

ATGATCGCCGCTGGCTGCTCTTCCATCTACGACTCTGGCAAGGGCTGTGGTTCTTG
CTATCAGGTGGTGTGCACTGGCAATGGTGGTTGCTCTGGTAACCCGGTGACTGTT
GTCATCACCGACGAGTGCCCTGACTGCCATGCCCGGATGACCAGGTGCACTTCG
ACATGAGCGGGACAGCGTTTGGTGCCATGGCGAAGCCCGGCCAGGAAGGCCAGC
TTCGTGGCGCCGGCTCCATCAAATCCAGTACAAACGTGTGCAGTGCAGTGGCC
TGGGGTGAACGCCACCTTCTCCGTGGAGTCCGGGTCCAGCCGAGCTACCTGGCC
GTGCTCATCGAGTACGAGGACGGCGACAGCGACCTCGACGCCGTGGACATCATG
CAGGGCGGGTCGGGGCAGTGGGTGCCGATGCAGCAGTCGTGGGGCGCCGTGTGG
AAGCTGAAC TCGGCTTCACCCCTCAGGGCCCCTTCGACATCCGCCTGACGTTCA
GCTCCGGCAGGGTGCTCGTCGCCAGCAACGCCATAACCGCGGGCTGGAACGCCG
GCGTGGCGTACCGGTCCGGCGGCGTGGCGGTGGCGAGGGCCAGGCCAGGAGCG
GTGGCTGCCGGAGCCACGACGCTGCTGGGACACTCAGCGGGCTGGTGTATGTCTT
CCTCCTACTTGTGTTGTTTCTGGGATTGGAGTTGTGA

Nucleotide

>SitEXPB-17

GGTACTAGTAATGTGAGTCGCTTTCCTTTC AATTGCCATGTCTGGACTTTTCCAG
CATAAACCCCTGTTCCCCCTCCCTCGCTCGACCTCCAGTCTCCGCTCCCCGCCACCC
CCATCGCTCGCTCCTCTGCTCCTCCTCGCGCCGCGGGCGGCCGCCCGCCCGCCGCCA
CCCACATTCAACGAAATCCACCTCTACTCGGGATACAACACGTGCCATCGCAGCC
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