

IDENTIFICATION

Species: *Setaria italica*

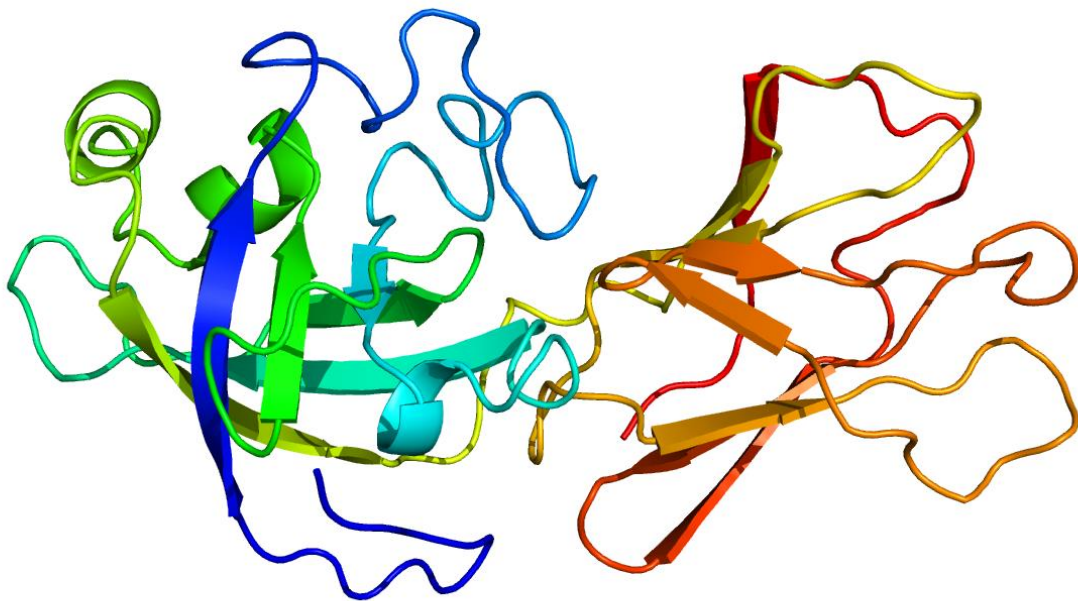
Locus: Seita.9G326600

Gene Model: Seita.9G326600.1.p

Description: SitEXPB-23

Family: Beta Expansin

3D structure:



GENOME DATABASES

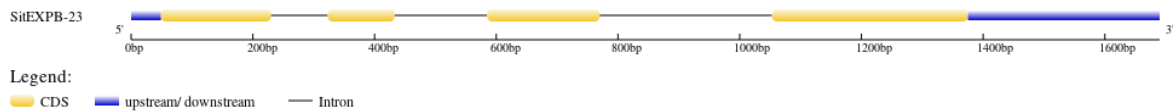
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

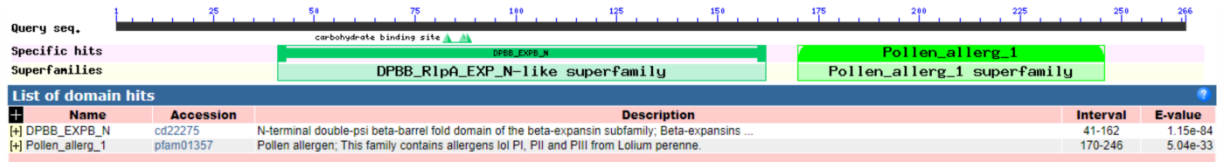
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-23

MIASFKVVVALGALVFSLLVSYGSCARPVSNASAFSTADPNWEAARATWYGAPTGAG
PDDDDGGACGFKVNLPPFSAMTSCGNEPLFKDGKGCSCYQIRCVNNPACSGNPETV
IITDMNYYPVAKYHFDLSGTAFGAMAKPGRNDEL RHAGIIDIQFQRVPCNYPGQKVT
FHVEEGSNPVYLA VLVEFEDGDGDVVQVDLMEANSGSWTPMRESWGSIWRLDSNH
RLQAPFSLRITNESGKTLVANQVIPANWVPNTYYRSIVQY*

CDS (coding sequence)

>SitEXPB-23

ATGATCGCCTCGTTCAAGGTGGTTGCACTTGGTGCCTGCTTCTCCCTCCTTGT
CTCGTACGGCTCGTGCCTAGGCCGGTGAGCTTTAACGCTCTGCCTTCACCGCC
GACCCCAACTGGGAGGCTGCCAGGGCCACCTGGTACGGCGCGCCACCGGCGCC
GGCCCCGACGACGACGGTGGCGCCTGCGGGTTCAAGAACGTGAACCTGCCGCCG
TTCTCGGCCATGACGTCGTGCGCAACGAGCCGCTGTTCAAGGACGGCAAGGGTT
GCGGCTCCTGCTATCAGATACGATGCGTCAACAACCCTGCGTGCTCCGGCAACCC
GGAGACGGTGATAATCACCGACATGAACTACTACCCGGTCGCCAAGTACCACTTC
GACCTGAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCCGGCCGCAACGACGAG
CTCCGTCACGCCGGC ATCATCGACATCCAGTTCCAGAGGGTGCCCTGCAACTACC
CGGGCCAGAAGGTGACGTTCCACGTCGAGGAGGGCTCCAACCCCGTCTACCTCGC
GGTGCTCGTCGAGTTCGAAGACGGCGACGGCGACGTGGTGCAGGTGGACCTCAT
GGAGGCCAACTCCGGCTCGTGGACTCCGATGCGCGAGTCCTGGGGTTCCATCTGG
AGGCTGGACTCCAACCACCGGCTGCAGGCGCCCTTCTCGCTGCGCATACCAACG
AGTCCGGCAAGACGCTGGTGGCAAACCAGGTCATCCCGGCAAACCTGGGTGCCCA
ACACCTACTACCGCTCCATCGTCCAGTACTAG

Nucleotide

>SitEXPB-23

GAGCTTCCTGTCTGCCAGTACTAGCAACTAACGAGCTAGGCATCGACGATGATC
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AACTGGGAGGCTGCCAGGGCCACCTGGTACGGCGCGCCCACCGGCGCCGGCCCC
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TGTTGTGGAGCCTTTGTACTTTTGCTCAATCAACATTTAACGACAACGACCGGTTT
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GCATGTGCTTTCCCGCCCATATTGTCGATACGCTTGTACCAGTGTGATCAAGATT
ATAAATTATTAACAGTATTTTGTGTGCTACATAGTA