

IDENTIFICATION

Species: *Setaria italica*

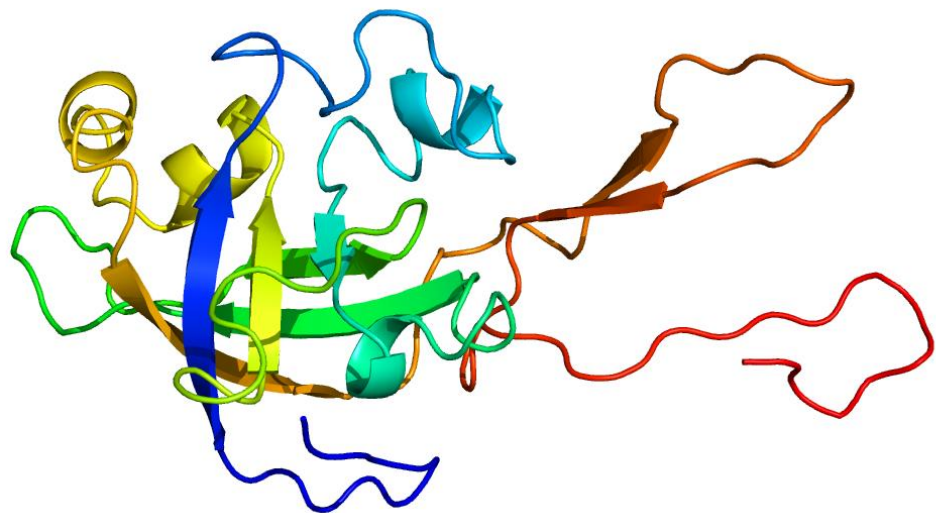
Locus: Seita.1G248900

Gene Model: Seita.1G248900.2.p

Description: SitEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

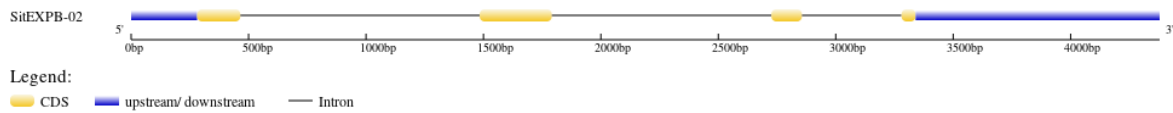
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

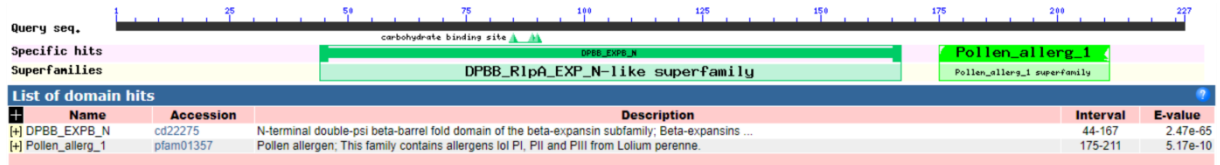
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-02

MAASSSSSSAASAVLLASLVVCGACLFSGSAEASGAAHRVVDPEWHPATATWYGS
 GDGSDGGACGYGTLVDVVPKARVGA VSPVLFKSGEGCGACYKVRCLDHNICSRR
 AVTVIVTDECPGGVCGGGRTHFDLSGAAFGRLAVAGAGGQLRNRGEINVVFRRTAC
 RYGGKNIAFHVNEGSTSFWLSLLVEFEDGGDIGSMQLKQVLSEKTTTRGELASRRK
 LG*

CDS (coding sequence)

>SitEXPB-02

ATGGCCGCTCCTCGAGCTCTTCTTCCGCCGCCAGCGCCGTGCTCCTCGCGTCGCT
 CGTCGTCTGTGGTGCGTGCCTCTTCGGCTCGGCGGAGGCTTCGGGGGCGGGGCAC
 AGGGTGGTTCGACCCGGAGTGGCACCCGGCCACCGCCACCTGGTACGGCAGCGCC
 GAGGGCGACGGCAGCGACGGCGGCGCGTGCGGGTACGGGACGCTGGTGGACGTG
 GTGCCGATGAAGGCGCGCGTGGGCGCGGTGAGCCCCGTGCTGTTCAAGTCCGGC
 GAGGGCTGCGGCGCCTGCTACAAGTCCGGTGCCTCGACCACAACATCTGCTCGC
 GCCGCGCCGTCACGGTCATCGTCACGGACGAGTGCCCCGGCGGGGTCTGCGGCG
 GCGGACGCACGCACTTCGACCTCAGCGGCGCCGCGTTCGGCCGCCTCGCCGTCG
 CGGCGCCGGCGGCCAGCTGCGCAACCGGGGCGAGATCAACGTCGTGTTCCGCAG
 GACGGCGTGCAGGTACGGGGGCAAGAACATCGCCTTCCACGTGAACGAGGGCTC
 CACCAGCTTCTGGCTCTCCCTCCTGGTCGAGTTCGAGGACGGCGACGGTGACATC
 GGATCCATGCAGCTCAAGCAGGTTCTCTCAGAGAAAACAACGACACGGGGGGAG
 CTAGCTAGTAGAAGGAAACTAGGCTAA

Nucleotide

>SitEXPB-02

CAGCCATCCAGGCAGCCACCACCCTAGCGCCCCTACCCGTGCATCCCCATTGTCC
 CTTCCACGCCATTTGTGCAGAGGGGGCAGCTCTGAGCGCTCTGCGCATCGGGGAC
 TGGGGCTTCTCGAAGGCCTAAAAGCGATCCAGAAAGAGAGGAGCGGGTGGTAG
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