

IDENTIFICATION

Species: *Setaria italica*

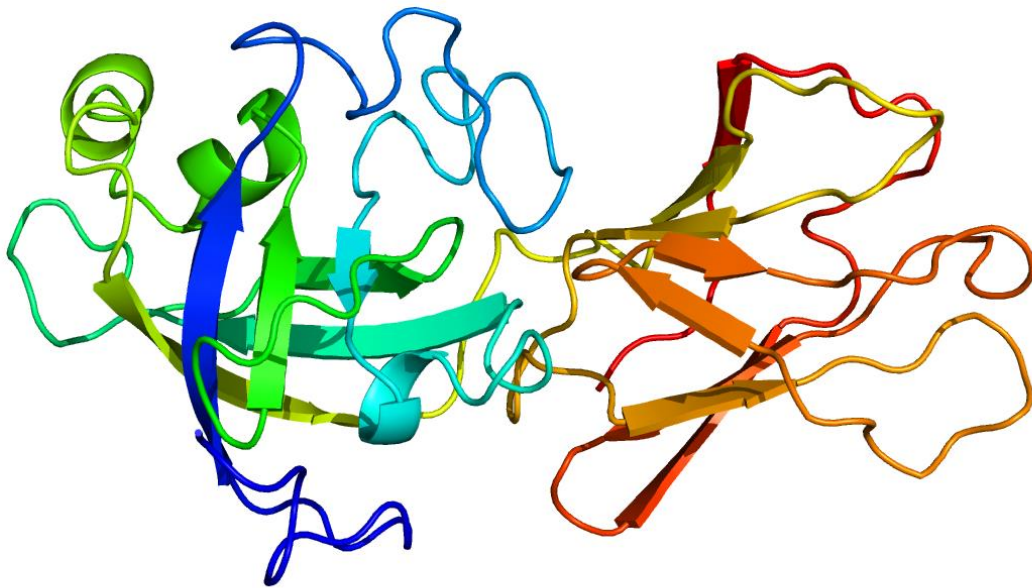
Locus: Seita.9G334300

Gene Model: Seita.9G334300.1.p

Description: SitEXPB-29

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>

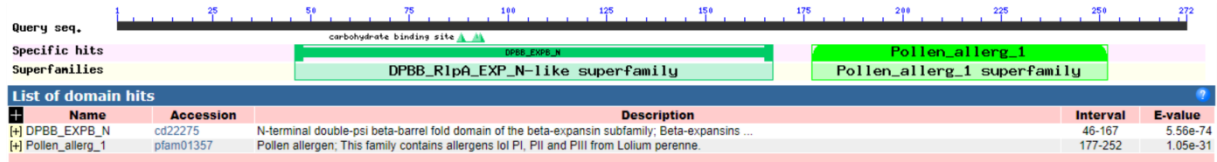
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-29

MGSLPNVVVAAAAVVLAALVAGGSCDPSAPKVPPGNITTDYGGRWLAAKATWYGG
QPVGAGPDDNGGACGIKNVNLPPYSGMTACGNLPIFKDGKGCSCYQIRCGAPEECS
NKPVTVFITDMNYDPIAPYHFDLSGTAFGSMAQAGLGDKLRHRGIIDLQFRRVRCKY
AAGQKIVFHVEHGSNPNYLAVLVKVFVANDGDIVQMDLKERASPEWKPMKLSWGAI
WRMDTPKALRGPFSIRLTSESgKKL VATDVIPENWKPSTVYKSNIQF*

CDS (coding sequence)

>SitEXPB-29

ATGGGATCCCTGCCCAATGTCGTCGTGGCCGCGGCCGCGTCGTCTGCGGGCGC
TCGTGCGCCGGCGGGTCGTGCGACCCATCAGCCCCAAGGTGCCGCCGGGCCCCAA
CATCACGACCGACTACGGCGGCAGGTGGCTCGCCGCGAAGGCCACCTGGTACGG
CCAGCCCGTCGGCGCCGGCCCCGACGACAACGGCGGTGCGTGCGGGATCAAGAA
CGTGAACCTGCCGCCCTACAGCGGCATGACGGCCTGCGGCAACCTCCCCATCTTC
AAGGACGGCAAGGGCTGCGGCTCGTGCTACCAGATCAGATGCGGTGCGCCAGAG
GAGTGCTCCAACAAGCCGGTGACGGTGTTTCATAACCGACATGAACCTACGACCCCA
TCGCCCCCTACCACTTCGACCTCAGCGGCACGGCGTTCGGCTCCATGGCCCAGGC
CGGGCTCGGGCGACAAGCTCCGCCACCGCGGCATCATCGACCTGCAGTTCAGGAG
GGTGCGGTGCAAGTACGCGGCCGGGCAGAAGATCGTGTTCCACGTGGAGCATGG
TTCCAACCCCAACTACCTGGCTGTGCTGGTGAAGTTCGTGCGGAACGACGGCGAC
ATCGTGACAGATGGACCTCAAGGAGAGGGCGTCCCGGAGTGGAAGCCGATGAAG
CTCTCGTGGGGCGCCATCTGGAGGATGGACACGCCCAAGGCGCTCAGGGGGCCC
TTCTCCATCCGCCTACCAAGTGAAGTCCGGCAAGAAGCTGGTCGCCACCGACGTCA
TTCCGGAGAACTGGAAGCCAGCACCGTCTACAAGTCCAACATCCAGTTCTAG

Nucleotide

>SitEXPB-29

ATGGGATCCCTGCCCAATGTCGTCGTGGCCGCGGCCGCGTCGTCTGCGGGCGC
TCGTGCGCCGGCGGGTCGTGCGACCCATCAGCCCCAAGGTGCCGCCGGGCCCCAA
CATCACGACCGACTACGGCGGCAGGTGGCTCGCCGCGAAGGCCACCTGGTACGG

CCAGCCCGTCGGCGCCGGCCCCGACGACAACGGCGGTGCGTGCGGGATCAAGAA
CGTGAACCTGCCGCCCTACAGCGGCATGACGGCCTGCGGCAACCTCCCCATCTTC
AAGGACGGCAAGGGCTGCGGCTCGTGCTACCAGGTACGCACGTGTCAATTAATT
GCTTGACTAGCATAACGTGGGATTGGGAATGAGATCCTGAGTTCTTGACGAACTTG
ATCAATGCAACGAACTGTCCGTTGCCGCGTGCGTGCAGATCAGATGCGGTGCGCC
AGAGGAGTGCTCCAACAAGCCGGTGACGGTGTTCATAACCGACATGAACTACGA
CCCCATCGCCCCCTACCACTTCGACCTCAGCGGCACGGCGTTTCGGCTCCATGGCC
CAGGCCGGGCTCGGCGACAAGCTCCGCCACCGCGGCATCATCGACCTGCAGTTCA
GGAGGTCCGCCATGATCCATCATCATTAGTTCATTACTACTGCTCGATCAAATAAT
TAAACTTCTTCATGATCTGTGTATGCGGTATCCCTGCACGCATGCAAAAATAAT
GACATGGACCTTGCATGCAGGGTGCGGTGCAAGTACGCGGCCGGGCAGAAGATC
GTGTTCCACGTGGAGCATGGTTCCAACCCCAACTACCTGGCTGTGCTGGTGAAGT
TCGTCGCGAACGACGGCGACATCGTGCAGATGGACCTCAAGGAGAGGGCGTTCGC
CGGAGTGGAAGCCGATGAAGCTCTCGTGGGGCGCCATCTGGAGGATGGACACGC
CCAAGGCGCTCAGGGGGCCCTTCTCCATCCGCCTCACCAGTGAGTCCGGCAAGAA
GCTGGTCGCCACCGACGTCATTCCGGAGAACTGGAAGCCCAGCACCGTCTACAAG
TCCAACATCCAGTTCTAG