

IDENTIFICATION

Species: *Setaria italica*

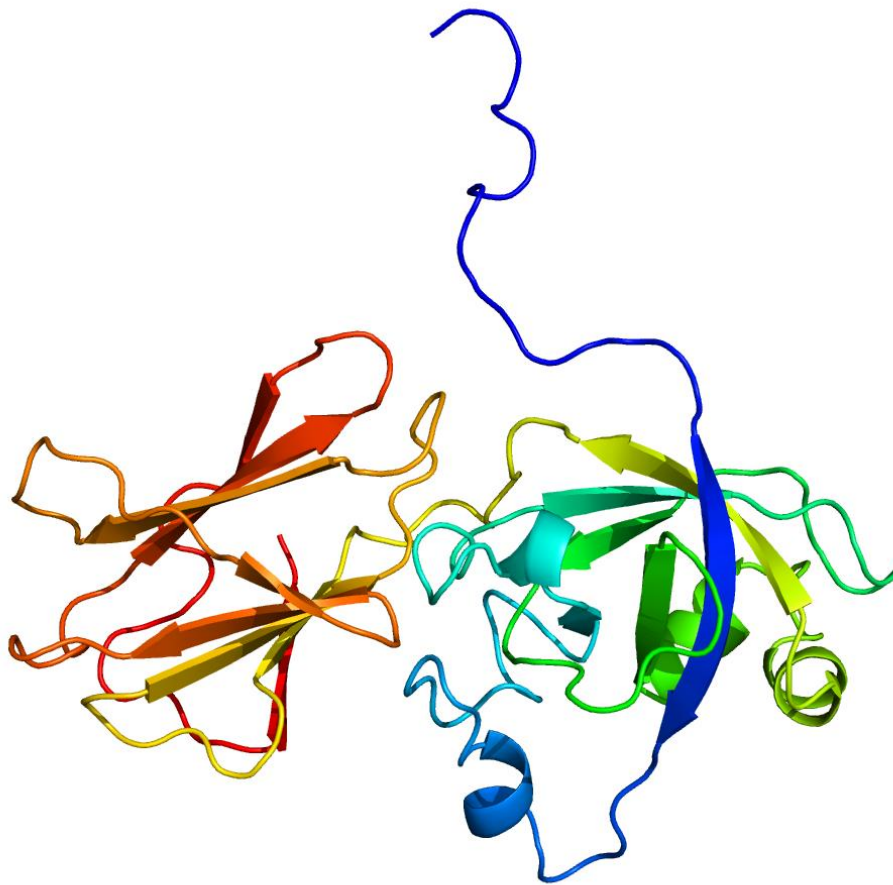
Locus: Seita.9G575500

Gene Model: Seita.9G575500.1.p

Description: SitEXPB-30

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>

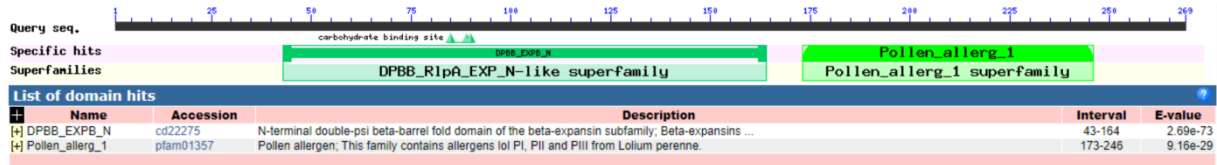
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-30

MASTTSTTVMVAVVVASLVGGAVCGPPKVPPGKNISATCDGKWLDKATWYGKAT
GAGPDDNGGACGYKDVNKAPFNSMNACGNSPIFKDGLGCGSCYEIKCDKPAECSGE
PVIVHITDMNDEPIAA YHFDLAGTAFGAMAKKGEEELRKAGIIDMQFRRVKCKYPA
DTKIAFHIEKGCNPNYFALLVKY AAGGDIVAVDIKEKGSDEFVPLKHSWGAIWRIDS
PKPIKGPIAIRLTSEGGTKLEQDDVIPEGWKPDTVYTSKLF*

CDS (coding sequence)

>SitEXPB-30

ATGGCCTCGACGACGTCGACGACGGTGATGGTGGCGGTGGTTGTGGCGTCGCTGG
TTGGCGGCGCGGTGTGCGGCCCTCCAAGGTCCCCCGGCAAGAACATCTCTGC
GACGTGCGACGGCAAGTGGCTGGACGCCAAGGCGACGTGGTACGGCAAGGCGAC
GGGCGCCGGCCCCGACGACAACGGCGGCGCGTGCGGGTACAAGGACGTGAACAA
GGCCCCCTTCAACAGCATGAACGCGTGCGGCAACTCCCCCATCTTCAAGGACGGC
CTCGGCTGCGGCTCCTGCTACGAGATCAAGTGCGACAAGCCCGCCGAGTGCTCCG
GCGAGCCCGTCATCGTCCACATCACGGACATGAACGACGAGCCCATCGCCGCCTA
CCACTTCGACCTCGCCGGCACC GCCTTCGGCGCCATGGCCAAGAAGGGCGAGGA
GGAGAAGCTGCGCAAGGCCGGCATCATCGACATGCAGTTCCGCCGCGTCAAGTG
CAAGTACCCCGCCGACACCAAGATCGCCTTCCACATCGAGAAGGGCTGCAACCCC
AACTACTTCGCCCTCCTCGTCAAGTACGCCGCCGGCGACGGCGACATCGTCCGCCG
TCGACATCAAGGAGAAGGGCTCCGACGAGTTCGTGCCCTCAAGCACTCCTGGGG
CGCCATCTGGAGGATCGACAGCCCCAAGCCCATCAAGGGCCCCATCGCCATCCGT
CTCACCAGCGAGGGAGGAACCAAGCTCGAACAGGACGACGTCATCCAGAAGGA
TGGAAGCCCGACACCGTCTACACCTCCAAGCTCCAGTTCTAA

Nucleotide

>SitEXPB-30

AGCAACGACATTTATCCAACAAGGATCATCGGAGATGGCCTCGACGACGTCGAC
GACGGTGATGGTGGCGGTGGTTGTGGCGTCGCTGGTTGGCGGCGCGGTGTGCGGC
CCTCCAAGGTCCCCCGGCAAGAACATCTCTGCGACGTGCGACGGCAAGTGCC

TGGACGCCAAGGCGACGTGGTACGGCAAGGCGACGGGCGCCGGCCCCGACGACA
ACGGCGGGCGCGTGCGGGTACAAGGACGTGAACAAGGCCCCCTTCAACAGCATGA
ACGCGTGCGGCAACTCCCCATCTTCAAGGACGGCCTCGGCTGCGGCTCCTGCTA
CGAGATCAAGTGCGACAAGCCCGCCGAGTGCTCCGGGCGAGCCCGTCATCGTCCAC
ATCACGGACATGAACGACGAGCCCATCGCCGCCTACCACTTCGACCTCGCCGGCA
CCGCCTTCGGCGCCATGGCCAAGAAGGGCGAGGAGGAGAAGCTGCGCAAGGCCG
GCATCATCGACATGCAGTTCCGCCGCGTCAAGTGCAAGTACCCCGCCGACACCAA
GATCGCCTTCCACATCGAGAAGGGCTGCAACCCCAACTACTTCGCCCTCCTCGTC
AAGTACGCCGCCGGCGACGGCGACATCGTCGCCGTTCGACATCAAGGAGAAGGGC
TCCGACGAGTTCGTGCCCTCAAGCACTCCTGGGGCGCCATCTGGAGGATCGACA
GCCCCAAGCCCATCAAGGGCCCCATCGCCATCCGTCTCACCAGCGAGGGAGGAA
CCAAGCTCGAACAGGACGACGTCATCCCAGAAGGATGGAAGCCCGACACCGTCT
ACACCTCCAAGCTCCAGTTCTAATTCCTTTAATTATTTAATCCACCTCCACCAATA
TATTTCTTCCTTCCTTTTTTTTTTCTTTCTTTCTATCAGTCAGGAGGATCGGATGAT
CATCCATCCCTCCATCCTATCTTTCCCTCCCTTAATATATAATTCATAAATAAAGG
AGGCGCGCAGCAGCAAAACACACCCTCATTTATCACATTTTACAATATTCCTCAA
CCCGTTGCGTCTTCACCATGTAATAACAATCAAC