

IDENTIFICATION

Species: *Setaria italica*

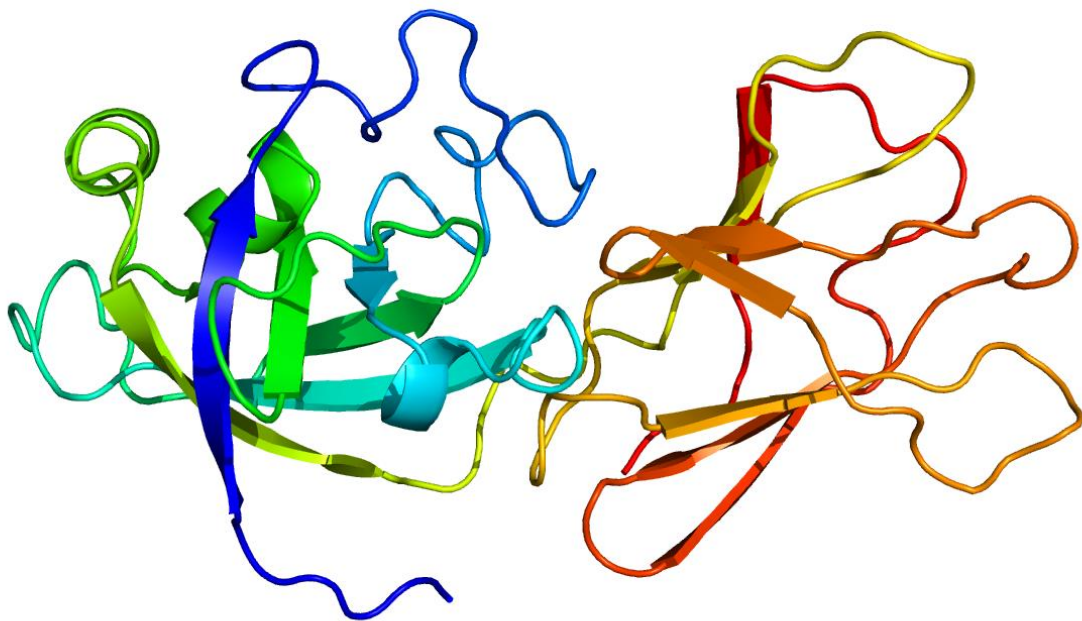
Locus: Seita.9G327100

Gene Model: Seita.9G327100.1.p

Description: SitEXPB-27

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>

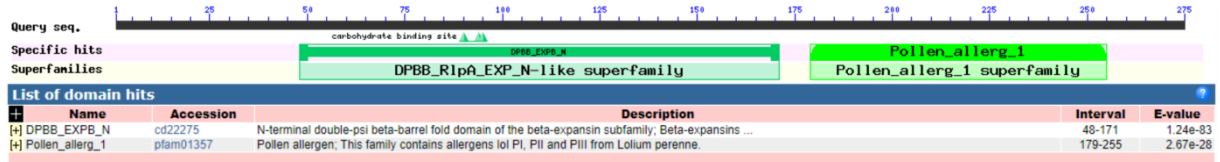
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-27

MAAGLSFKAVALLSVLVAYGARAQQQPSNATESQDRSLLSYSGGWLPKATW
YGAPTGAGPDDNGGACGFKHTNQYPFSSMTSCGNPIFKDGKGCSCYQIRCLKSNH
PACSGAPQTVVITDMNYYPVAKYHFDLSGTAFGAMANPGLNDKLRHAGIIDMQFRR
VPCNFPGLTINFVVQHGSNPMYLAVLVEFEDKDGDVVQVDIMQHNSGYWEPMHES
WGSWRIDPNRPLQGPYSLRITNESGRQLVAKNVIPANYIPDTNYRSYVQY*

CDS (coding sequence)

>SitEXPB-27

ATGGCCGCTGGGCTCTCCTTCAAGGCCGTGGCGCTTGCCGCGCTCCTCTCCGTGCT
CGTCGCCTATGGCGCTCGCGCTCAGCAGCAGCCGAGCAACGCCACGGAGTCCCA
GGACAGGTCTTGCTGTCTACAGCGGTGGCTGGCTCCCGGCCAAGGCCACCTGG
TACGGCGCGCCACCGGCGCCGGCCCGACGACAACGGCGGTGCGTGCGGGTTC
AAGCACACCAACCAGTACCCCTTCTCGTCCATGACTTCCTGCGGCAACGAGCCCA
TCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTACCAGATTCGATGCCTCAAGAG
CAACCACCTGCCTGCTCCGGCGCGCCGCAGACGGTGGTCATCACCGACATGAAT
TACTACCCGGTGGCCAAGTACCACTTCGACCTCAGCGGGACGGCGTTCGGCGCCA
TGGCCAACCCAGGCCTCAACGACAAGCTCCGCCACGCCGGGATCATCGACATGC
AGTTCAGGAGGGTGCCGTGCAACTTCCCGGGCCTGACCATCAACTTCGTCTGTTCA
ACACGGCTCGAACCCCATGTACCTGGCGGTGCTCGTCGAGTTCGAGGACAAGGAC
GGCGACGTGGTGCAGGTGGACATCATGCAGCACAACCTCCGGCTACTGGGAGCCG
ATGCACGAGTCTGGGGATCCATCTGGAGGATCGACCCCAACCGCCCGCTCCAGG
GCCCTTACTCGCTGCGCATCACCAACGAGTCCGGCAGGCAACTCGTCGCCAAGAA
CGTCATCCCGGCCAACTACATCCCCGACACCAACTACCGCTCCTACGTCCAGTAC
TAA

Nucleotide

>SitEXPB-27

ACACAAACCAGACAGCAGGTGCCAGTGCCAAGCAGCAGCTAGCTAGTAGTTCCA
TTCGGTCTAGCTAGTGCAGGCATGGCCGCTGGGCTCTCCTTCAAGGCCGTGGCG
CTTGCCGCGCTCCTCTCCGTGCTCGTCGCCTATGGCGCTCGCGCTCAGCAGCAGCC

GAGCAACGCCACGGAGTCCCAGGACAGGTCCTTGCTGTCCTACAGCGGTGGCTGG
CTCCCGGCCAAGGCCACCTGGTACGGCGCGCCCACCGGCGCCGGCCCCGACGAC
AACGGTATGGACCAAGATACCTCTCCGCGTGTCTCATCAGCATTGTTGTCCGGTC
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GCCTCAAGAGCAACCACCCTGCCTGCTCCGGCGCGCCGCAGACGGTGGTCATCAC
CGACATGAATTAACCCGGTGGCCAAGTACCACTTCGACCTCAGCGGGACGGCG
TTCGGCGCCATGGCCAACCCAGGCTCAACGACAAGCTCCGCCACGCCGGGATCA
TCGACATGCAGTTCAGGAGGGTGCCGTGCAACTTCCCGGGCCTGACCATCAACTT
CGTCGTCCAACACGGCTCGAACCCCATGTACCTGGCGGTGCTCGTCGAGTTCGAG
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CCGCTCCAGGGCCCTTACTCGCTGCGCATCACCAACGAGTCCGGCAGGCAACTCG
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CGTCCAGTACTAACTGCTCGCGTCGATCGATCAGATAGCCGCATGATGAGCTCCA
TCATCGGCTTAAGTGTTCGCTTAGTGGTGGCCGGCCGTTGTTGGCAATTGCGCT
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