

IDENTIFICATION

Species: *Setaria italica*

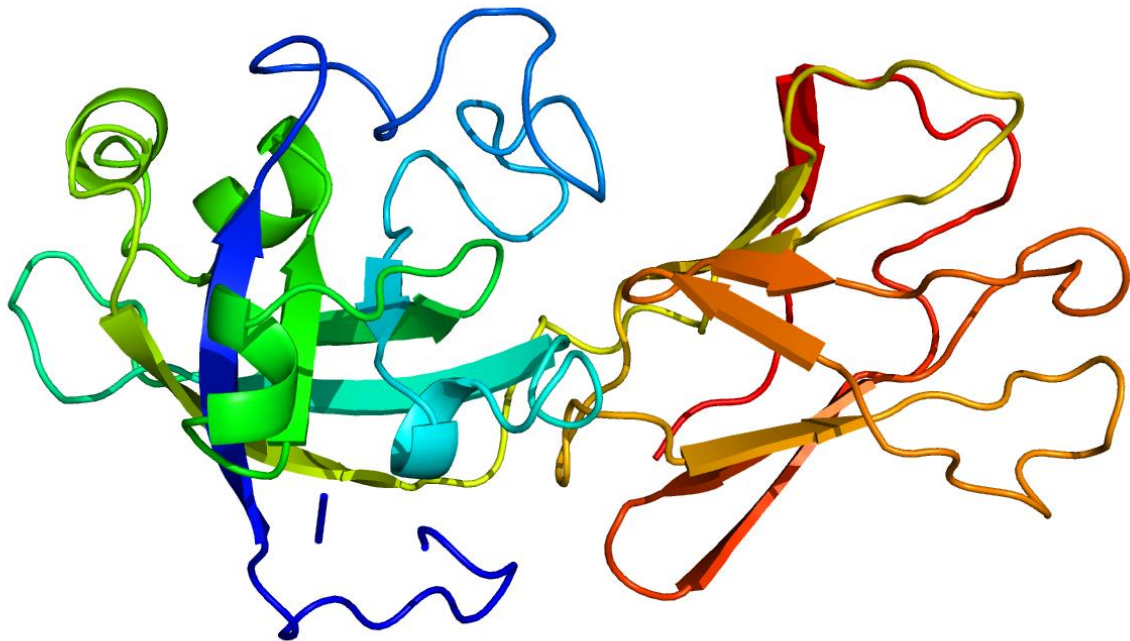
Locus: Seita.1G260500

Gene Model: Seita.1G260500.1.p

Description: SitEXPB-04

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>

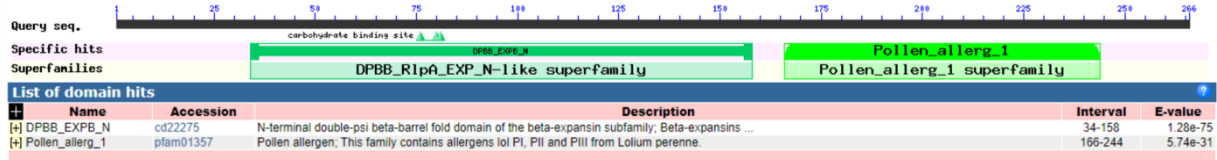
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-04

MASKVRFFFMAFAALACLLRPGAPVELHRKLSGWSGDGACATWYGSPNGAGSDGGA
CGYQNAVDLPPFSSMIAAGSPSIFQSGKGCSCYQVRCTGHAACSGTPVTVVLTDCEP
DGVCLPEPVHFDLSGTAFGAMAKPGQADQLRSAGRLKIQYTRVPCNWKGMETFGV
DTGSPNYLAVLIEYESGDGDLRSVELMQAGGGRAAWAPMQQSWGAVWRYNSGS
ALQAPFSIRITSGSGRAVVANNVIPAGWTPGGTYRSVVNFNY*

CDS (coding sequence)

>SitEXPB-04

ATGGCGTCCAAGGTCCGGTTCTTCTTCATGGCCTTCGCGGCCCTCGCCTGCCTCCT
CCGTCCCGGCGCGCCCGTCGAGCTCCACCGCAAGCTCTCTGGCTGGTCCGACGGC
GCCTGCGCGACGTGGTACGGCTCACCCAACGGCGCCGGGAGCGACGGCGGCGCG
TGCGGGTACCAGAACGCCGTCGACCTGCCGCCGTTCTCGTCCATGATCGCCGCCG
GCAGCCCGTCCATCTTCCAGAGCGGCAAGGGCTGCGGCTCCTGCTACCAGGTGAG
ATGCACCGGCCACGCGGCGTGCTCCGGCACCCCGGTGACCGTGGTCTCACGGAC
GAGTGCCCCGACGGCGTGTGCCTGGAGGAGCCCGTGCACTTCGACCTGAGCGGC
ACGGCGTTCGGCGCCATGGCGAAGCCCGGCCAGGCCGACCAGCTCCGCAGCGCC
GGCCGCCTCAAGATCCAGTACACTCGGGTGCCGTGCAACTGGAAGGGGATGGAG
ATCACGTTCCGAGTGGACACCGGCTCGAACCCGAACTACCTGGCGGTGCTGATCG
AGTACGAGTCCGGGGACGGTGACCTGCGGTCCGTGGAGCTCATGCAGGCCGGCG
GCGGCCGCGCGGCGTGGGCGCCGATGCAGCAGTCGTGGGGCGCGGTGTGGCGCT
ACAACTCGGGCTCCGCCCTGCAGGCGCCCTTCTCCATCCGCATCACCTCCGGCTCC
GGCAGGGCGGTTCGTCGCCAACAACGTGATCCCCGCCGGTTGGACCCCGGCGGC
ACGTACCGCTCGGTTCGTAACCTCAACTACTGA

Nucleotide

>SitEXPB-04

ATGGCGTCCAAGGTCCGGTTCTTCTTCATGGCCTTCGCGGCCCTCGCCTGCCTCCT
CCGTCCCGGCGCGCCCGTCGAGCTCCACCGCAAGCTCTCTGGCTGGTCCGACGGC
GCCTGCGCGACGTGGTACGGCTCACCCAACGGCGCCGGGAGCGACGGTACGTCG
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ATAATTCCTGATAATATAATGCCTGCCCTTCGTGCATGTTCGACTTGCGTGTAGGCG
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GTGTGCCTGGAGGAGCCCGTGCACCTTCGACCTGAGCGGCACGGCGTTTCGGCGCCA
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AGTACACTCGGTAAGCTAGCCGCATGTATACGGTATAACCGCGTGCAGGGGCATGC
CCTGAAACACTAGCCAGTCTCTACTTGTGCTTGTGTACACACATGCGTGCATGTA
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GTACAAACGCAGCGTGACCGTGACGCATGCGTGTCTGCGCGCACGTACAAACGTT
TTGTGTAGCCTCCCCTTAGCGTCTCTTGTCTTTTGTGCCGTCTATGACCGCGCGCT
GCGTCTGCATTGCAGGGTGCCGTGCAACTGGAAGGGGATGGAGATCACGTTCCG
AGTGGACACCGGCTCGAACCCGAACCTACCTGGCGGTGCTGATCGAGTACGAGTCC
GGGGACGGTGACCTGCGGTCCGTGGAGCTCATGCAGGCCGGCGGCGGCCGCGCG
GCGTGGGCGCCGATGCAGCAGTCGTGGGGCGCGGTGTGGCGCTACAACTCGGGC
TCCGCCCTGCAGGCGCCCTTCTCCATCCGCATCACCTCCGGCTCCGGCAGGGCGG
TCGTCGCCAACAACGTGATCCCCGCCGGTTGGACCCCCGGCGGCACGTACCGCTC
GGTCGTGAACTTCAACTACTGACAAGTACAATAACTGGGTAGATGCGCGCGCCCCG
CCGGCCGGCGTGTTACTGTGACGGCGGCGTGGCGCTATTAGCTTGGTTTATGATT
CAGGCTGTGCGTGCAGTGGGCGTAGAATTAACGCCTGTGCAGTGTGCGTG
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