

IDENTIFICATION

Species: *Setaria italica*

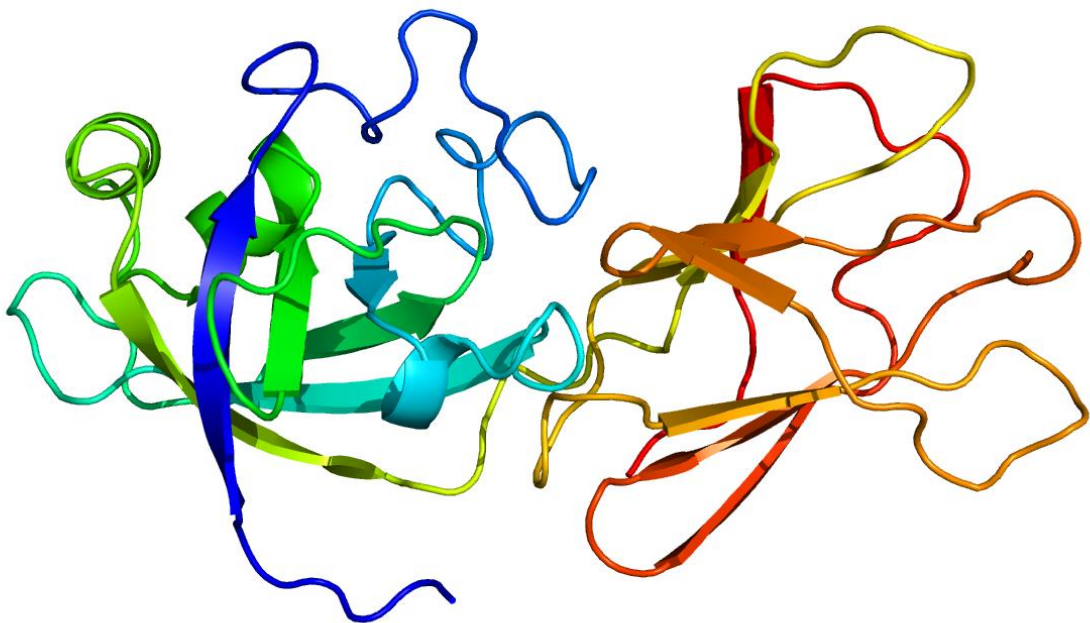
Locus: Seita.9G326100

Gene Model: Seita.9G326100.1.p

Description: SitEXPB-21

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>

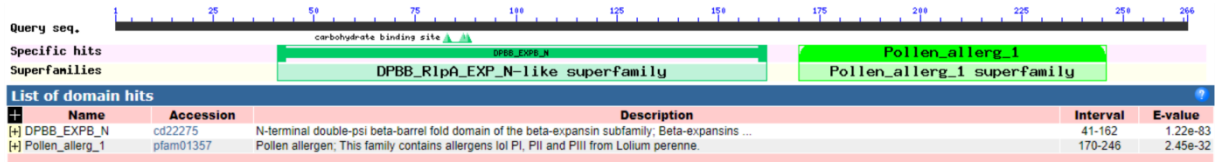
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-21

MAFSTKVAALAALIFLLLVTYGSCARPVSNASDFTADPNWEAARATWYGAPTGAG
PYDDGGACGFKVNLPPFSSMTSCGNQPLFKDGGKCGSCYQIRCVNNAACSGNPET
VIITDMNYYPVSKYHFDLSGTAFGAMAKPGRNEELRHAGIIDIQFKRVPCNYPGQKVT
FHVEEGSNPVYLA VLVEFEDGDGDVVQVDLMEANSGYWTPMRESWGSIW RMDSNH
RLQAPFSLRITNESGRKLVANRVIPANWAPNTYYRSIIQY*

CDS (coding sequence)

>SitEXPB-21

ATGGCATTCTCCACCAAGGTAGCCGCACTTGCTGCACTGATCTTCTTGCTCCTGGT
CACGTATGGCTCGTGCCTAGGCCGGTGAGCTTCAACGCCTCCGACTTCACCGCC
GACCCCAACTGGGAGGCCGCGAGGGCCACCTGGTACGGCGCGCCACCGGCGCC
GGCCCATACGACGACGGTGGTGCCTGTGGATTCAAGAACGTGAACCTGCCGCCGT
TCTCGTCCATGACGTCGTGCGGCAACCAGCCCCTGTTCAAAGACGGCAAGGGCTG
CGGCTCCTGCTACCAGATACGATGCGTCAACAACGCTGCGTGCTCCGGCAACCCG
GAGACGGTGATCATACTGACATGAACTACTACCCGGTCTCCAAGTACCACTTCG
ACCTCAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCTGGGCGCAACGAAGAGC
TCCGCCACGCCGGCATCATCGACATCCAGTTCAAGAGAGTGCCCTGCAACTACCC
CGGGCAGAAGGTGACGTTCCACGTCGAGGAGGGCTCGAACCCCGTCTACCTTGCT
GTCCTCGTTCGAGTTCGAAGACGGCGACGGCGACGTGGTGCAGGTGGACCTCATG
GAGGCCAACTCCGGGTACTGGACGCCGATGCGCGAGTCCTGGGGATCCATCTGG
AGGATGGACTCGAACCACCGGCTGCAGGCGCCCTTCTCGCTGCGCATACCAACG
AGTCCGGCAGGAAGCTGGTGGCCAACCGGGTTCATCCCGGCCAACTGGGCGCCTA
ACACCTACTACCGTCCATCATCAATACTAG

Nucleotide

>SitEXPB-21

ACA ACTTCTCCTGTCTGCCAGTGGTAGAACA AACTACCCTCCAAGCTTGCAAG
CTTGTCCTTAGTAGCGCTGGTTGCCTAGCTTAGTAAGATGGCATTCTCCACCAAGG
TAGCCGCACTTGCTGCACTGATCTTCTTGCTCCTGGTCACGTATGGCTCGTGCCT

AGGCCGGTGAGCTTCAACGCCTCCGACTTCACCGCCGACCCCAACTGGGAGGCCG
CGAGGGCCACCTGGTACGGGCGGCCACCGGCGCCGGCCATACGACGACGGTA
CGTATGCGGTAAATGATCACCGATGATCGCCGGCGCATGACGCTAGGCGATCTTG
CCGTGCTCATGAACGGTCCATAAACTTGC GTCCATTTGTGCGTTCATGCAGGTGGT
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GCAACCAGCCCCCTGTTCAAAGACGGCAAGGGCTGCGGCTCCTGCTACCAGGTAG
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GCTCCATCACAGGTTTCGAGTTTTGACACACTCTGTTTTGATGCCTTTTTTCCAGAT
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GACATGAACTACTACCCGGTCTCCAAGTACCACTTCGACCTCAGCGGCACGGCGT
TCGGCGCCATGGCCAAGCCTGGGCGCAACGAAGAGCTCCGCCACGCCGGCATCA
TCGACATCCAGTTCAAGAGGTGGGTAACATGCGCCGCACGTTGCTCTGAGCCACA
AATCCACAATCTGCAGGCCCCACCTGAACAGAATATAAGCTCCACTGTCTATCTA
CTTTGCGCTGCATGTGGAGGAGTGAAACTCCTGTAGATTTCGCGGAAATATTTAGT
AGTTACTGTACCTACTCCTAATCTCTAGATTAGGACTGTAGCCTGACAAGAACAA
GACTAATGGAACTTGTACATGCAGAGTGCCCTGCAACTACCCCGGGCAGAAG
GTGACGTTCCACGTCGAGGAGGGCTCGAACCCCGTCTACCTTGCTGTCCTCGTCG
AGTTCGAAGACGGCGACGGCGACGTGGTGCAGGTGGACCTCATGGAGGCCAACT
CCGGGTACTGGACGCCGATGCGCGAGTCCTGGGGATCCATCTGGAGGATGGACTC
GAACCACCGGCTGCAGGCGCCCTTCTCGCTGCGCATCACCAACGAGTCCGGCAGG
AAGCTGGTGGCCAACCGGGTCATCCCGGCCAACTGGGCGCCTAACACCTACTACC
GCTCCATCATCCAATACTAGTTCAGCCACTGCGCTCTGTAACCTCGCTGTCATTGGC
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GTGATCAAGACTATAAAAAGGTTTTTCTTAATTCAGAACGTCTATGCTTCGCC