

IDENTIFICATION

Species: *Setaria italica*

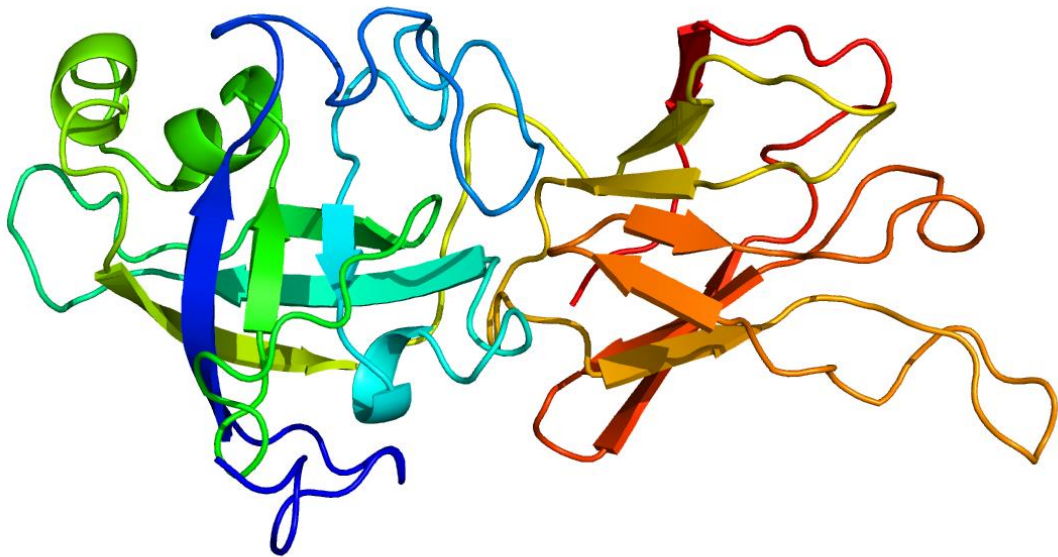
Locus: Seita.9G577400

Gene Model: Seita.9G577400.1.p

Description: SitEXPB-32

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>

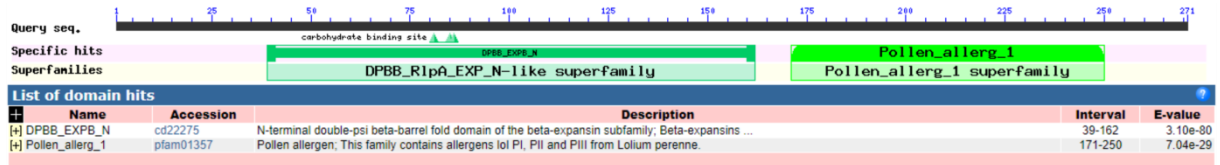
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-32

MGVLSISL L L L L L Q A A A A A A S S V S Y N D S S S S S S L M Q M Q W G N A R A T W Y G Q P N G A G P Y
D N G G A C G F K K V N E Y P F M S M T S C G N Q P L F R D G K G C G S C Y K I R C S K H P A C S G R T E T V V I
T D M N Y F P V P A A P Y H F D L S G T A F G K L A K P G R N D D L R R A G I I D I Q F A R V P C E F P G L K V G F
H V E E G S T Q V Y F A V L V E Y E N G D G D V V Q V D L M E S S R R G G G G R W T A M R E S W G S I W R L
D S N H R L R P P F S I R L R S D S G K T L V A R D V I P V N W R P N T F Y R S F V Q Y S *

CDS (coding sequence)

>SitEXPB-32

A T G G G G G T G T T G T C A T C A A T C T C C C T C C T G C T T C T G C T T C A G G C C G C C G C C G C C G C
C G C C T C C T C C G T G A G C T A C A A C G A C A G C A G C A G C A G C A G C A G C T T G A T G C A G A T
G C A G T G G G G C A A C G C C A G G G C C A C C T G G T A C G G C C A G C C C A A C G G C G C C G G G C C
C T A C G A C A A C G G C G G C G C T T G C G G T T T C A A G A A G G T G A A C G A G T A C C C G T T C A T G
T C G A T G A C G T C C T G C G G C A A C C A G C C G C T G T T C C G C G A C G G C A A G G G A T G C G G G T
C C T G C T A C A A G A T C A G G T G C T C C A A G C A C C C C G C C T G C T C C G G C C G C A C C G A G A C
G G T G G T C A T C A C C G A C A T G A A C T A C T T C C C C G T G C C G G C G G C G C C A T A C C A C T T C
G A C C T C A G C G G C A C C G C C T T C G G C A A G C T G G C C A A G C C C G G C C G C A A C G A C G A C
C T C C G G C G A G C C G G C A T C A T C G A C A T C C A G T T C G C C A G A G T G C C C T G C G A G T T C C
C C G G C C T A A G G T C G G C T T C C A C G T C G A G G A G G G C T C C A C A C A G G T C T A C T T C G C
C G T G C T C G T C G A G T A C G A G A A C G G C G A C G G C G A C G T C G T G C A G G T G G A C C T C A T
G G A A T C A T C T C G T C G G G G C G G C G G C G G A C G G T G G A C G G C G A T G C G C G A G T C G T G
G G G C T C C A T C T G G C G C C T C G A C T C C A A C C A C C G C C T G C G G C C G C C A T T C T C C A T C
C G C C T G C G C A G C G A C T C C G G C A A G A C G C T G G T G G C G C G A G A C G T C A T C C C C G T C A
A C T G G A G G C C A A C A C A T T C T A C A G A T C A T T C G T C C A G T A C T C C T G A

Nucleotide

>SitEXPB-32

G T A C C G T A C C A A C A A G T A G A G A T A G A G A G T A G T T G C T A C T A G C T A G C T A G C T C A A
T C G A T C C G A T C C A A G C A G G C A G C T C T C A G G T C G G T C G T A G C T G G A A C A A T G G G
G G T G T T G T C A T C A A T C T C C C T C C T G C T T C T G C T T C A G G C C G C C G C C G C C G C C C T

CCTCCGTGAGCTACAACGACAGCAGCAGCAGCAGCAGCTTGATGCAGATGCAGT
GGGGCAACGCCAGGGCCACCTGGTACGGCCAGCCCAACGGCGCCGGGCCCTACG
ACAACGGTAGGTATCTCTTGCATTGCACTTGCAGCAGCATTGCACTTGCTGGTTGC
ATTCATTCCGTTCCATTCCAGTACCACTAGAGGTTCAATTTCTACAAATGAAACATG
CAGGCGGCGCTTGCGGTTTCAAGAAGGTGAACGAGTACCCGTTTCATGTTCGATGAC
GTCCTGCGGCAACCAGCCGCTGTTCCGCGACGGCAAGGGATGCGGGTCTGCTAC
AAGATCAGGTGCTCCAAGCACCCCGCCTGCTCCGGCCGCACCGAGACGGTGGTCA
TCACCGACATGAACTACTTCCCCGTGCCGGCGGCCATACCACTTCGACCTCAG
CGGCACCGCCTTCGGCAAGCTGGCCAAGCCC GGCCGCAACGACGACCTCCGGCG
AGCCGGCATCATCGACATCCAGTTCGCCAGAGTGCCCTGCGAGTTCCCCGGCCTC
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TCGAGTACGAGAACGGCGACGGCGACGTCGTGCAGGTGGACCTCATGGAATCAT
CTCGTCGGGGCGGCGGGCGGACGGTGGACGGCGATGCGCGAGTTCGTGGGGCTCCA
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AGCGACTCCGGCAAGACGCTGGTGGCGCGAGACGTCATCCCCGTCAACTGGAGG
CCAAACACATTCTACAGATCATTCGTCCAGTACTCCTGATCGATTCCACGATTAGT
TGTTGGATTGCATCTTGCGTTCGTCGATCATCTGTACTAATAATTACTTACTT
ATATTACTGCCATGGATGGAGTGTATGTATGCATGTATGTATCTACAATACTTAA
GACTCTATTTAACTACCAATGCAATGGAATGGATCTGTCCTCA