

IDENTIFICATION

Species: *Setaria italica*

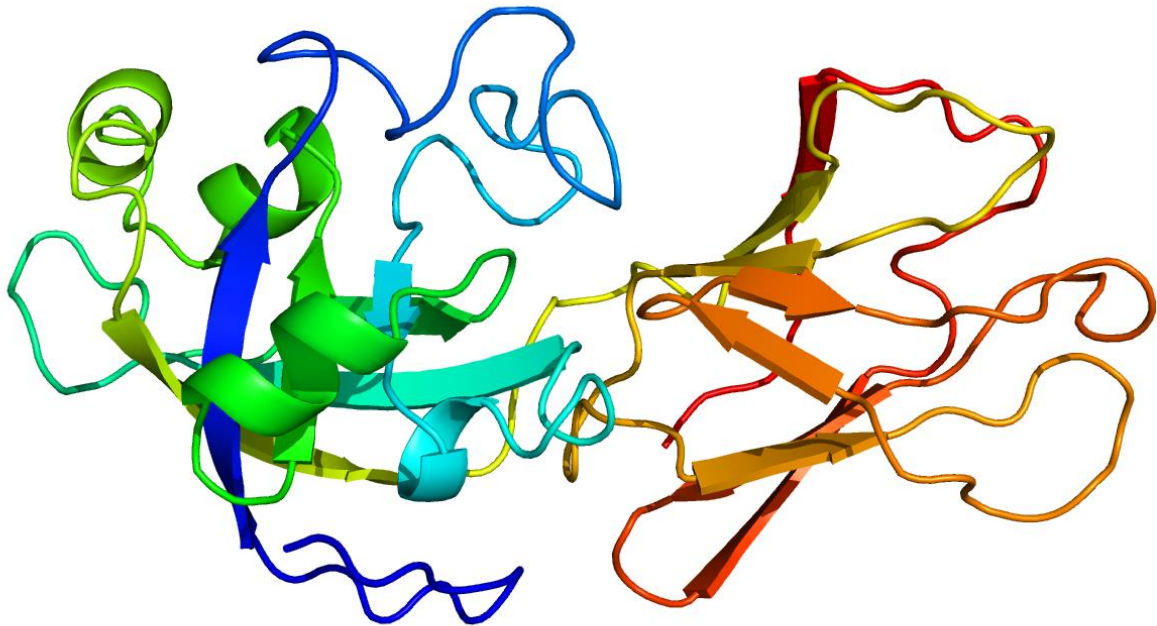
Locus: Seita.1G260400

Gene Model: Seita.1G260400.1.p

Description: SitEXPB-03

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>

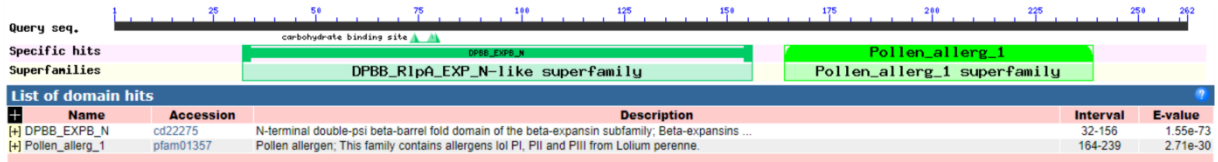
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-03

MASKIQVRFRTFPFVALACLLRPGAPIELSDWSNDGGATWYGAPHGAGSDGGACGY
QNAVEQPPFSSMVTAGGLSIFQNGKKGCGSCFQVKCTEHASCSGSPVTVVLTDPCPDG
ACQQEPVHFDLSGTAFGAMAKPGQDDLLNAGRRLRVQYTRVPCNWHGMDVAFKV
DAGSNPYLAVLIECESGDGDLRSVEVIQSGGAWAPMQQSWGAVWKYNSGPALQA
PISLRLISGSGRVLIADKVIPPGWTPGRTYRSIVNFNFS*

CDS (coding sequence)

>SitEXPB-03

ATGGCTTCCAAGATCCAGGTCCGGTTTCGTTTCACACCCTTTGTGGCTCTCGCCTG
CCTTCTCCGTCCCAGGGGCGCCATTGAGCTCTCCGACTGGTCCAACGACGGTGGC
GCGACGTGGTACGGCGCACCCACGGAGCTGGGAGCGACGGTGGCGCGTGCAGGG
TACCAGAACGCCGTGGAACAGCCACCGTTCTCCTCCATGGTCACCGCCGGCGGCC
TGTCCATCTTCCAGAACGGCAAGGGCTGCGGCTCCTGCTTTCAGGTGAAATGCAC
CGAGCACGCGTCGTGCTCCGGCAGCCCGGTGACCGTGGTCTCACGGACGAGTGC
CCCGACGGCGCGTGCAGCAGGAGCCCGTGCACCTTCGACCTGAGCGGCACGGCG
TTCGGCGCCATGGCGAAGCCCGGCCAGGATGACCTGCTCCTCAACGCCGGCCGCC
TCAGGGTCCAGTACACTCGGGTGCCATGCAACTGGCACGGGATGGACGTGCGCGTT
CAAGGTGGACGCCGGCTCGAACCATACTACTTGCGGGTGTGATCGAGTGCAGAG
TCCGGGGACGGCGACCTGCGGTCCGTGGAGGTCATACAGAGCGGGCGGCGCGTGG
GCGCCGATGCAGCAGTCGTGGGGCGCGGTGTGGAAGTACAACCTCGGGCCCCGCC
CTCCAGGCACCCATCTCCCTCCGCCTCATCTCCGGCTCCGGCAGGGTGTCTCATCGC
TGACAAGGTCATCCCGCCCCGGGTGGACCCCGGCCGCACGTACCGCTCGATCGTC
AACTTCAACTTCTCATGA

Nucleotide

>SitEXPB-03

ATGGCTTCCAAGATCCAGGTCCGGTTTCGTTTCACACCCTTTGTGGCTCTCGCCTG
CCTTCTCCGTCCCAGGGGCGCCATTGAGCTCTCCGACTGGTCCAACGACGGTGGC
GCGACGTGGTACGGCGCACCCACGGAGCTGGGAGCGACGGTGTCTGCAACTGTCT

ATGCACGGAGACACACATGAAACTGTATGTACGCGCGTAGCGAGTTCTCCGATCC
ATAGCAAAATCGAACCGCACTCATACGTTTTCTGCTCCAACCGCATGCATAGTTG
CATAACAAAGAATTCTTAGTAATGCCTGCCCGCGTACGTGAATGTCACATTTTTT
TTTGTGTGTAGGTGGCGCGTGCGGGTACCAGAACGCCGTGGAACAGCCACCGTTC
TCCTCCATGGTCACCGCCGGCGGCCTGTCCATCTTCCAGAACGGCAAGGGCTGCG
GCTCCTGCTTTCAGGTAAGTTCGTGCAAACCATGACACGGCCGTATCTTCAAAGT
CACTCGTATTACTGCACTCACTTAATGCATGACGCCGCCGCGTTGGGGTTAACA
ATAAATTCCTCTACCTCCAGGTGAAATGCACCGAGCACGCGTCGTGCTCCGGCAG
CCCGGTGACCGTGGTCTCACGGACGAGTGCCCCGACGGCGCGTGCCAGCAGGA
GCCCGTGCACTTCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCGAAGCCCGGC
CAGGATGACCTGCTCCTCAACGCCGGCCGCTCAGGGTCCAGTACACTCGGTAAG
CTATCGACCGCACGTACCGCGTGCCTGCACTGCACGGGTACTAGTCAGACAAGTA
GCGTGGTGAATGATCCAAACGGGCGACTAGAGGGGTGCCGATTCAAATTTCTTCA
ATGAACTTGACGAAAATCCCAAACCAATCAACAAATCTCTCTTCTAATATCAAAT
CCCGTTAGCTATGCAAGAGCTAATGGACCTAGGAATGGTGTAGGAACCGAATTA
GAGACTAGCGGAAGCAGAAAAGAACGCAAAACAAGTGTCGGAACACAAAAGTAC
GGAAACTCCGCAAAACTCTTCGGAAAATTCGCAACTTCCGGAGAATCCGCACAA
ACCTTCGGAGAATCCGCACCTACGGAATTTCCAAGAAATCTTTCAGAATATTCCG
CACCTACGGAATTATCCAGAACGTTCTTCGAAAAATTCCGCACCTACGGAATTT
CTGGAATATTCTTCGGAATATTTTCGCAGCTCCAGAAAAACAGCCTTCGTGAGGAA
GTTGAAAAAATCCGAAACTCGATCAAACGACCTCCAAAAATCACGAAATTTGGA
CCTAGGACTCACAAACATAACCAAAGCTATTTCCCAAAGAATCACTTCAAAAAGC
TTAAATATTCATCACTAATTTTTGGAGAACATTGAAATCCTACCAAGAACTCGAGA
CTTTGGGAAAACATAAATTCAAGCTGAATCTGTGGGGGATTTAAGGGGGATGAC
ATCATAGATGCTCGTAATGATCCTAGCAATAATTTCCCCCAACAAACCTCGTGCG
ATTTGGGCTCAAACCTGAAGAACC AAAAATCCGCGAAAATAGCTTTGAAAAGAC
CGAAAAAATAGGAGAAACAAAAGATTTAGTCACAGATTTGAACCACAAACTCA
AGTAAATCATGAGGACAATATCTTTACAAGATAAGAACTAGCCTCCTTCTTTCAT
CCACCCACTAAGATGAAGAAATTAAGAGAAAAGAGTAATCACCTCTCATCTCCC
TCTCTCCTCTCTCCCTCTAAGCACTTGGTTAACCTCTAAACAAATGAATTAGGGTT
TCTTGCAAGGGTGCTGAAACAACCAGCCATCCATCCATACATCCATCCATATATA
TAGTTCATGACATATGACTAAACTACCCCTACAGCTACAATAAGATAACCATCC
ACGTAGGGGCATTTTGGTCTAGTTTTTTTAGACGCATCGGACGGACACGCCACCT
TTGCGACTCTGCTTTGCCTCGACGCAAGCTTCGCGATGATGCCACGTGCCTTCCTT
ATCGAAGCTCCGACCACACCTGGCTCGCCCCGATTCTGAGGCCCAAACCAGGAA
ACCTGTCTGCGCGGTGGTTTTGAGGCTCAAACCATCCAAACCGTCCATCTCCGCTT
GGCCGCTCGCGACATCCTCGATGTCGACGCGTGTCCGGCCTCCGTCAAGCCTCC
CGCTCGACTCGACCAATAACGTCTCCATCCCGTCATGTTCTCTCACCTTCCGTGC
ACCGTGTGGACCGCCATGACTCCGTTCCGACTCCTCGAGTCCATCGGTCCAATC
CTACTCGCGTTTATCCTTACCGCCCTTGGTCCATCGGCATGAACCTTTCGCCTTA
CCTTACCGCGTGCCATCGGCCGTTATGTGCGATCCTACACCTGCACATCACAAG
CCAAGAGTAACATCAAACCTACACAACGTTATCAATCACTCATCATCAAGGGTGA
CCACCATTGATCCTCAACATGTAGTCGCGCTTTCCGTGCATTACGCGTGATGCATA
CATGTTACTGCAGGGTGCACGTAGAGACAACATTTTTGGGGTAGCCTCCCCTTTG
TGATATACTAAATCTCGTGCTTGTCTTTTGTGCATGCAGGGTGCCATGCAACTGGC
ACGGGATGGACGTCGCGTTCAAGGTGGACGCCGGCTCGAACCCATACTACTTGGC
GGTGCTGATCGAGTGCGAGTCCGGGGACGGCGACCTGCGGTCCGTGGAGGTCAT

ACAGAGCGGCGGCGCGTGGGCGCCGATGCAGCAGTCGTGGGGCGCGGTGTGGAA
GTACAACCTCGGGCCCCGCCCTCCAGGCACCCATCTCCCTCCGCCTCATCTCCGGCT
CCGGCAGGGTGCTCATCGCTGACAAGGTCATCCCGCCCCGGGTGGACCCCCGGCCG
CACGTACCGCTCGATCGTCAACTTCAACTTCTCATGA