

IDENTIFICATION

Species: *Setaria italica*

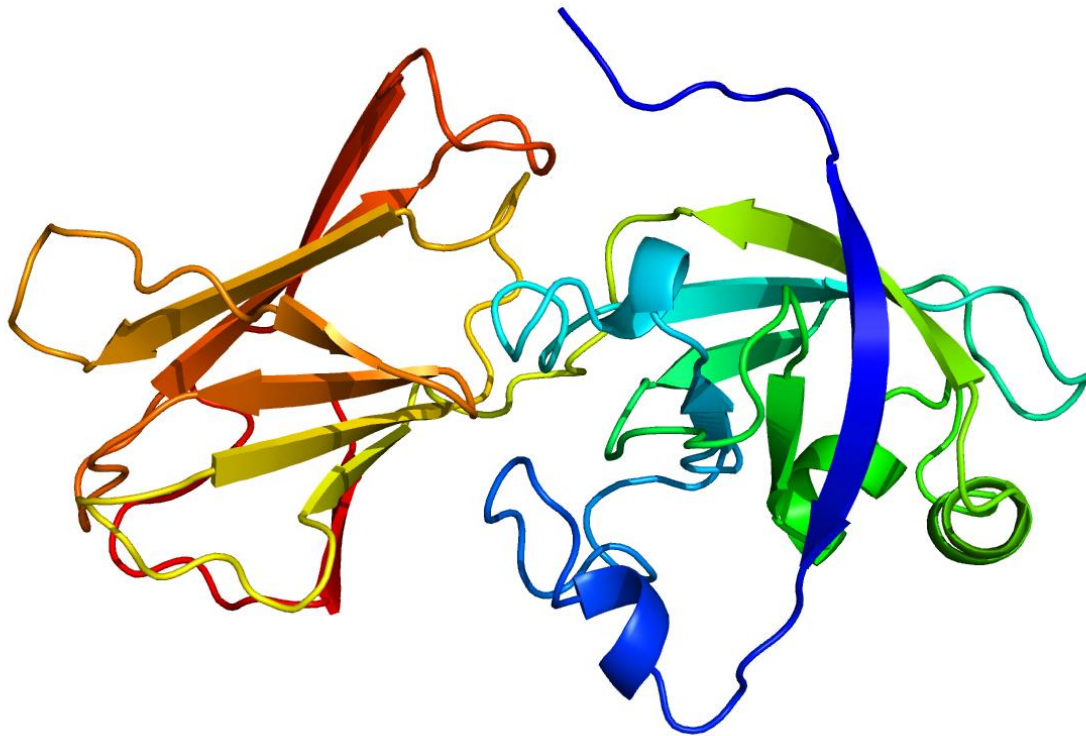
Locus: Seita.2G321900

Gene Model: Seita.2G321900.1.p

Description: SitEXPB-09

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>

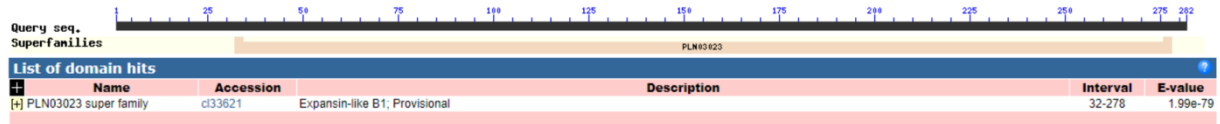
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-09

MTPSLILYICTIQSSKPCSFVSVPMDFPMHCLS ALLYLFALISKATADANFTVSKAVY
YPNSDTRGTETGACEYGAFGATLNNGDV SASASLYRNGV GCGACYQVRCTNPHYCS
PSGVTIVITDSGASNGTDFILSQHAFAGMGQNKDAGATLLNLGYVGIEYRRVPCIIYPG
KNIIFKITESSHFPYYLEFEIWIYQQGNQDIIAVQLCETVNLTCQLLGRTHGAVWAAISP
PNGPLNIRMLFSSGAPHRGDQKWL VSTSTIPQNW TAGATYDSGVQVQLQ*

CDS (coding sequence)

>SitEXPB-09

ATGACTCCATCTCTCATCTTATATATATGTACAATACAATCTTCTAAGCCTTGTTTC
GTTCGTCTCTGTGCCACAGATGGATTTTCCCATGCACTGCCTCTCAGCTTTGCTTT
ATCTGTTTGCCTCATCTCCAAGGCTACTGCAGATGCAAATTTACGGTGTCAA
AGCAGTATACTACCCAACTCTGATACACGAGGGACCGAAACTGGAGCATGTGA
ATATGGTGCATTTGGGGCAACGCTCAACAATGGAGATGTTTCAGCATCAGCAAGT
CTATACAGGAATGGGGTAGGCTGTGGTGCATGCTACCAGGTTAGGTGCACAAATC
CTCACTACTGCTCCCAAGTGGAGTGACAATCGTGATCACAGACTCTGGGGCAAG
CAACGGGACTGACTTCATCCTGAGCCAGCACGCCTTCGCTGGGATGGGGCAGAAC
AAGGACGCTGGTGCACACTGCTGAACCTTGGTTATGTTGGAATTGAGTACAGGA
GGGTTCCATGTATCTACCCAGGCAAGAATATTATATTCAAGATTACTGAGAGCAG
CCATTTCCCTTACTATCTTGAATTTGAGATATGGTACCAACAAGGCAACCAGGAT
ATTATTGCAGTCCAGCTTTGTGAGACTGTGAACCTGACATGCCAGCTTCTGGGCC
GAACTCATGGTGCAGTATGGGCTGCTATCTCCCCACCAAATGGCCCTCTGAACAT
AAGGATGCTATTTAGCAGCGGAGCTCCACATCGCGGCGACCAGAAATGGCTGGTT
TCCACAAGCACAATACCACAGA ACTGGACAGCAGGAGCCACGTACGATTCTGGG
GTCCAAGTGCAGCTGCAGTAG

Nucleotide

>SitEXPB-09

ATGACTCCATCTCTCATCTTATATATATGTACAATACAATCTTCTAAGCCTTGTTTC
GTTCGTCTCTGTGCCACAGATGGATTTTCCCATGCACTGCCTCTCAGCTTTGCTTT
ATCTGTTTGCCTCATCTCCAAGGCTACTGCAGATGCAAATTTACGGTGTCAA
AGCAGTATACTACCCAACTCTGATACACGAGGGACCGAAAGTAAGTAACACGT

AAGCAGTAATCTAAAGAGAAAAGTTTGCTAGGTTACCAGACTTCTGTGTAATAT
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GGAGCATGTGAATATGGTGCATTTGGGGCAACGCTCAACAATGGAGATGTTTCAG
CATCAGCAAGTCTATACAGGAATGGGGTAGGCTGTGGTGCATGCTACCAGGTAA
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TCCCCAAGTGGAGTGACAATCGTGATCACAGACTCTGGGGCAAGCAACGGGACT
GACTTCATCCTGAGCCAGCACGCCTTCGCTGGGATGGGGCAGAACAAGGACGCT
GGTGC AACACTGCTGAACCTTGGTTATGTTGGAATTGAGTACAGGAGGTGCGTGC
ATAAAAAGCATGGCTTAAGCTTTGAACGATGTGCCTACTTGCTTTATTTACAAGG
CAAATAAGCTGAAAATTACAACATAAATGATCTTGCATAATGAGTTAATGACACA
ACTGAGGCATGTTGAATTTTTCGTGGTTTCTCCCAACTTCAGGGTTCCATGTATCT
ACCCAGGCAAGAATATTATATTCAAGATTACTGAGAGCAGCCATTTCCCTTACTA
TCTTGAATTTGAGATATGGTACCAACAAGGCAACCAGGATATTATTGCAGTCCAG
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TTCTAAATACCTGTTGATTGATGACTGAATGCAGACTGTGAACCTGACATGCCAG
CTTCTGGGCCGAACTCATGGTGCAGTATGGGCTGCTATCTCCCCACCAAATGGCC
CTCTGAACATAAGGATGCTATTTAGCAGCGGAGCTCCACATCGCGGCGACCAGAA
ATGGCTGGTTTCCACAAGCACAATACCACAGAACTGGACAGCAGGAGCCACGTA
CGATTCTGGGGTCCAAGTGCAGCTGCAGTAGCTATAATTGAATATACAACAGGAT
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