

IDENTIFICATION

Species: *Setaria italica*

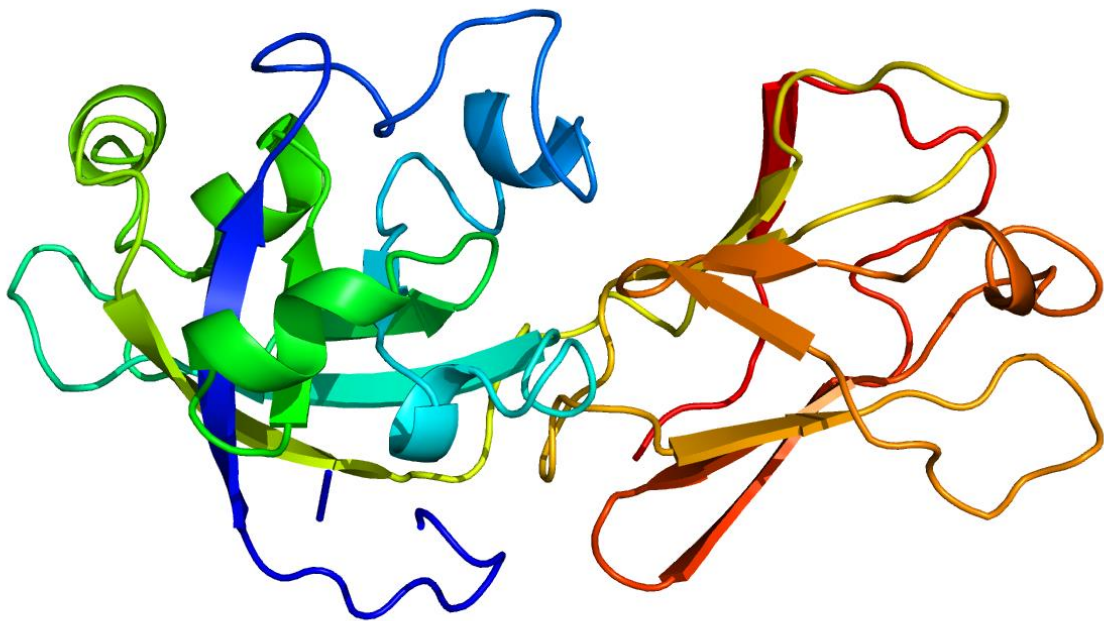
Locus: Seita.1G260700

Gene Model: Seita.1G260700.1.p

Description: SitEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

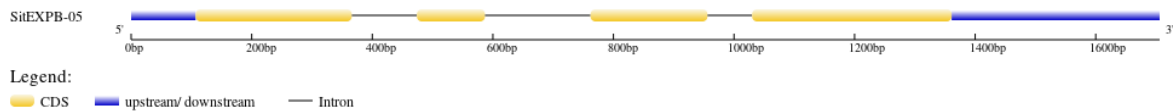
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

KEGG: <https://www.genome.jp/entry/gn:T02818>

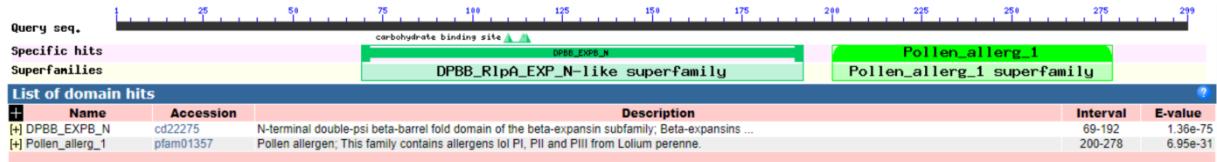
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-05

MAKSSYTLLFGALVVLALLASPIACTRKLAKPNKHRRPTHKPGVRARSNHTATPSAS
DARGDAYGSGGWLSAGATYYGAPNGDGSDDGGACGYQTAVGQRPFSSMIAAGSPSL
FKGGKGCACGYEVKCNSTACSGQPATVVITDECPGGVCLAEAAHFDMSGTSMGA
MAKPGMADRLRAAGILKVQYKRVCKYSGVNIAFRVDQGSNPFYFEVLIEFEDGDG
DLSAVDLMEAGCGTWTPMVQNWGALWRYNSNTGKALKAPFSIRLTSDSGKVLVAN
NVIPAGWKAGATYRSLVNYS*

CDS (coding sequence)

>SitEXPB-05

ATGGCGAAATCGTCTTACACCTTGCTGTTTCGGCGCACTGGTCGTGCTCGCGCTTCT
AGCGAGCCCCATTGCTTGCACCCGCAAGCTCGCCAAGCCAAACAAGCACAGGCG
GCCGACGCACAAGCCGGGAGTCAGGGCCCGTAGCAACCACACCGCTACCCCCTC
GGCGTCCGATGCACGCGGCGATGCCTACGGCTCCGGCGGCTGGTTGTCTGCCGGC
GCGACGTACTACGGCGCGCCCAACGGCGACGGCAGTGACGGCGGCGCGTGGCGC
TACCAGACCGCCGTCGGGCAGCGTCCCTTCTCGTCGATGATCGCCGCGGGAGCC
CGTCTCTGTTCAAGGGAGGAAAAGGATGCGGCGCCTGCTACGAGGTTAAATGCA
ACAGCAACACGGCGTGCTCCGGTCAGCCGGCGACCGTGGTCATCACCGACGAGT
GCCCCGGTGGGGTCTGCCTCGCCGAGGCAGCTCACTTCGACATGAGCGGCACCTC
CATGGGCGCCATGGCGAAGCCCGGCATGGCCGACAGGCTTCGCGCTGCCGGAAT
CCTCAAGGTCCAGTACAAGAGGGTGCCGTGCAAGTACAGCGGCGTGAACATCGC
CTTCCGGGTGGACCAAGGCTCCAACCCCTTCTACTTCGAGGTGCTGATCGAGTTC
GAGGACGGTGTGCGACCTCAGCGCCGTCGACCTCATGGAAGCCGGGTGCGGC
ACTTGGACCCCGATGGTGCAGAATTGGGGCGCGCTGTGGCGCTACAACCTCCAACA
CCGGCAAGGCGCTGAAGGCGCCCTTCTCGATCCGGCTCACCTCCGACTCCGGCAA
GGTGTCTCGTCGCCAACAACGTCATCCCCGCGGCTGGAAGGCGGAGCCACGTAC
CGCTCCTTGGTGAACACTCCTGA

Nucleotide

>SitEXPB-05

GCAAAACACTCGAGCTGAGCTCATCACCTAGCTCACAGCCTCTTCCGATCGACCT
ACCAGTGCTTTGCTCAGAAGACGCAGCAGGCAAGAAGCTTGCAGCAGTGGCAAT
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CGAGCCCCATTGCTTGCACCCGCAAGCTCGCCAAGCCAAACAAGCACAGGCGGC
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CGTCCGATGCACGCGGGCGATGCCTACGGCTCCGGCGGGCTGGTTGTCTGCCGGCGC
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GACCGCGCTCGGGCAGCGTCCCTTCTCGTCGATGATCGCCGCCGGGAGCCCGTCT
CTGTTCAAGGGAGGAAAAGGATGCGGGCGCCTGCTACGAGGTCAGCAACTCGGCA
TAACACGCTAGTAGTTTAGTACACACATTGCCTGAGTTCGTGTGGTCACACAACG
CATGGCCTAGCTCCTGTGATCCAATAGCAGGGTAGCTCCATTGATGGTGCAAAAT
GGTCGGCGCTGGTGCTAACTGAATGCTTTCATGTGGCGCGCGTAACGCAGGTTAA
ATGCAACAGCAACACGGCGTGCTCCGGTCAGCCGGCGACCGTGGTCATCACCGA
CGAGTGCCCCGGTGGGGTCTGCCTCGCCGAGGCAGCTCACTTCGACATGAGCGGC
ACCTCCATGGGGCGCCATGGCGAAGCCCGGCATGGCCGACAGGCTTCGCGCTGCCG
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AGTACAGCGGCGTGAACATCGCCTTCCGGGTGGACCAAGGCTCCAACCCCTTCTA
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