

IDENTIFICATION

Species: *Setaria italica*

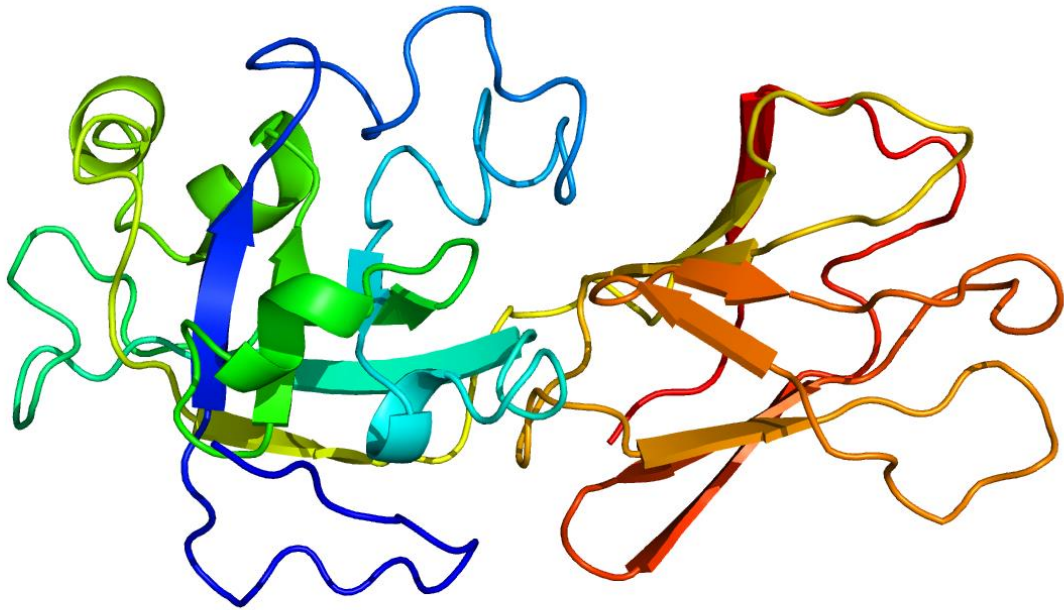
Locus: Seita.2G122800

Gene Model: Seita.2G122800.1.p

Description: SitEXPB-08

Family: Beta Expansin

3D structure:



GENOME DATABASES

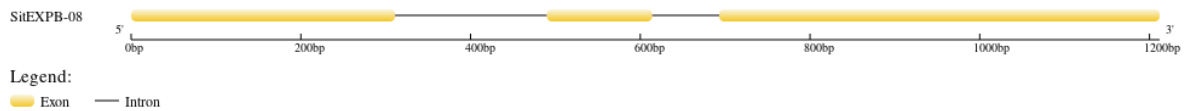
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

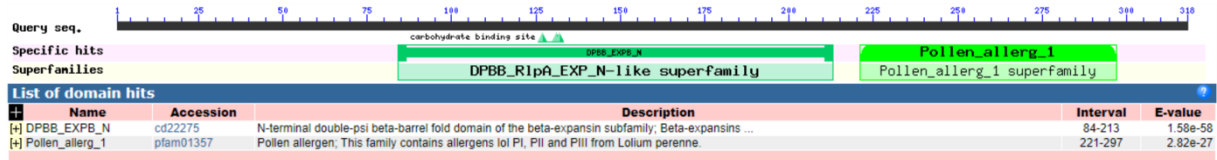
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-08

MAKLLALLLAALVVLSELLVSPIACTRKLSKAKPKPKPKPAIGHRPAAKPKPNVGYKP
APAAAKPPRSNHTAKHSPSIVYGGAWLSGAGATYYGAPNGDGSDDHGACGYQTAV
GKQPFDSMIAAGSTPLYMDGEGCGAATRYLGCVKCTTNAACSGQPATIVITDRSPGD
LFPGEVAHFDMSGTAMGAMARPGMADKLRAGGVLRILYRRVPCYKYPGVNIAFKVD
QGANPFYFDVLIEFEDDDGDLKAVELMEAGSTVWTSMAHNWGATWRLNNGRKLN
APFGLRLTSDSGRVLVANHAIPAKWKPGTTYRSLVNYP*

CDS (coding sequence)

>SitEXPB-08

ATGGCGAAGCTTCTCGCATTGCTGTTGGCCGCGCTGGTCGTGCTCTCGCTCCTAGT
GAGCCCCATTGCCTGCACCCGCAAGCTCAGCAAGGCCAAGCCAAGCCAAAGCC
AAAGCCGGCCATCGGCCACCGGCCGGCGGCAAGCCAAGCCAAACCCTGTCCG
CTACAAGCCGGCGCCTGCCGCGGCCAAGCCTCCCCGCAGCAACCACACCGCTAA
GCACTCGCCGTCGATCGTCTACGGCGGTGCCTGGCTGTCCGGCGCCGGCGCCACC
TACTACGGCGCGCCCAACGGCGACGGCAGCGACGGTCACGGCGCGTGCGGGTAC
CAGACCGCCGTCGGGAAGCAGCCGTTGACTCGATGATCGCCGCCGGGAGCACG
CCGCTGTACATGGACGGCGAGGGCTGCGGGCGTGTACGAGGTACCTCGGCTGCG
TTAAATGCACGACCAACGCGGCGTGCTCCGGCCAGCCGGCGACCATCGTGATCAC
CGACCGGTCCCCGGCGACCTGTTCCCCGGCGAGGTGCGCCACTTCGACATGAGC
GGCACGGCCATGGGCGCCATGGCGAGGCCCGGCATGGCCGACAAGCTCCGCGCC
GGCGGCGTCTGAGGATCCTGTACCGGCGGGTGCCGTGCAAGTACCCCGGCGTGA
ACATCGCATTCAAGGTGGACCAGGGCGCCAACCCCTTCTACTTCGACGTGCTCAT
CGAGTTCGAGGACGACGACGGCGACCTCAAGGCCGTGGAGTCATGGAGGCCGG
CAGCACCGTGTGGACGTCCATGGCGCAACTGGGGCGCCACGTGGCGCCTCAA
CAACGGCAGGAAGCTCAATGCGCCGTTCCGGGCTCCGGCTCACCTCCGACTCCGGC
AGGGTGCTCGTCCCAACCACGCCATCCCCGCCAAGTGGAAGCCCGGGACGACG
TACCGTCCCTGGTGAACCTACCCATGA

Nucleotide

>SitEXPB-08

ATGGCGAAGCTTCTCGCATTGCTGTTGGCCGCGCTGGTCGTGCTCTCGCTCCTAGT
GAGCCCCATTGCCTGCACCCGCAAGCTCAGCAAGGCCAAGCCCAAGCCAAAGCC
AAAGCCGGCCATCGGCCACCGGCCGGCGGCCAAGCCCAAGCCAAACCCTGTCCG
CTACAAGCCGGCGCCTGCCGCGGCCAAGCCTCCCCGCAGCAACCACACCGCTAA
GCACTCGCCGTCGATCGTCTACGGCGGTGCCTGGCTGTCCGGCGCCGGCGCCACC
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NNNNNNNNNNNNNNNNNNNNNTGACATGGGATCGATGGCCTAAACTGTGAAC
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TGATCGCCGCCGGGAGCACGCCGCTGTACATGGACGGCGAGGGCTGCGGGCGCTG
CTACGAGGTACCTCGGCTGCGTGCTGCTGCAAATTAAGTCGCTGTCCGGCTGCCT
GTGCCTGGTCCCTCCTCTCTAAACAATAATGCGCCCATGTGCAGGTTAAATGCAC
GACCAACGCGGCGTGCTCCGGCCAGCCGGCGACCATCGTGATCACCGACCGGTCC
CCCGGCGACCTGTTCCCCGGCGAGGTCGCCCACTTCGACATGAGCGGCACGGCCA
TGGGCGCCATGGCGAGGCCCGGCATGGCCGACAAGCTCCGCGCCGGCGGGCGTCC
TGAGGATCCTGTACCGGCGGGTGCCGTGCAAGTACCCCGGCGTGAACATCGCATT
CAAGGTGGACCAGGGCGCCAACCCCTTCTACTTCGACGTGCTCATCGAGTTCGAG
GACGACGACGGCGACCTCAAGGCCGTGGAGCTCATGGAGGCCGGCAGCACCGTG
TGGACGTCCATGGCGCACAACCTGGGGCGCCACGTGGCGCCTCAACAACGGCAGG
AAGCTCAATGCGCCGTTCCGGGCTCCGGCTCACCTCCGACTCCGGCAGGGTGCTCG
TCGCCAACCACGCCATCCCCGCCAAGTGGAAGCCCGGGACGACGTACCGCTCCCT
GGTGAACTACCCATGA