

IDENTIFICATION

Species: *Setaria italica*

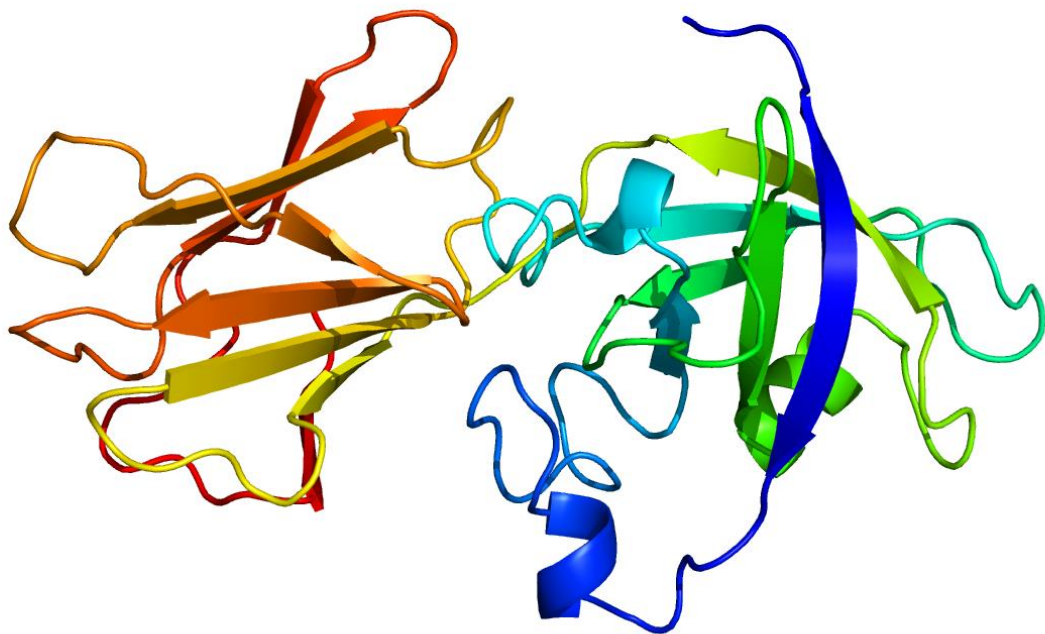
Locus: Seita.2G318400

Gene Model: Seita.2G318400.1.p

Description: SitEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

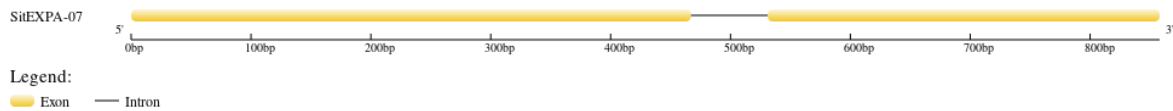
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

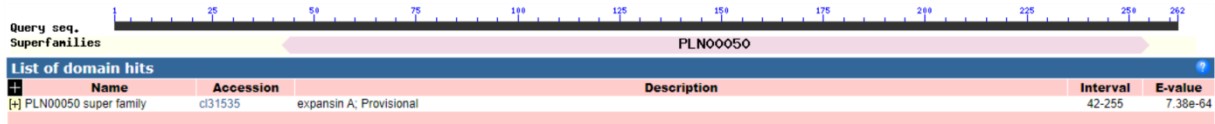
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-07

MSGSSRTTMAPLLASLLL VGLPLLAGV AEA KPHVNHGKFKGGPWTDGHATFYGGR
DGS GTTEGGACGYKDALAKDY GELTAAVGPSLYAQGAGCGACYEVKGAEGEAAS T
GKS VVVTATNQAPPVSGQKGEHFDLTPAFLQIAEEKAGIVPISYRRVACVRQGGIR
YTITGNKNYNMVMVMTNVGGEGDVVALTVKGNKRVKWTPMKRSWGQLWTTEVDL
TGESLTFRVMNGDHRKATSWHVMPRDWQFGKTYQATKNF*

CDS (coding sequence)

>SitEXPA-07

ATGTCCGGTTCGTCGCGGACAACAACAATGGCGCCTCTCCTCGCGTCGCTGCTGC
TCGTCGGGCTCCCGCTGCTGGCCGGCGTCGCGGAGGCGAAGCCCCACGTGAACCA
CGGCAAGTTCAAGGGCGGCCCGTGGACGGACGGGCACGCGACGTTCTACGGCGG
GCGCGACGGGTCCGGCACCACGGAGGGCGGGCGCGTGCGGGTACAAGGACGCGCT
CGCCAAGGACTACGGCGAGCTGACGGCGGCCGTGGGCCCGTTCGCTGTACGCCCA
GGGCGCCGGGTGCGGCGCCTGCTACGAGGTGAAGGGCGCGGAGGGCGAGGCCGC
CAGCACCGGCAAGTCCGTGGTGGTGACGGCCACGAACCAGGCCCGCCGCGGT
CAGCGGGCAGAAGGGCGAGCACTTCGACCTCACCATGCCGGCGTTCCTCCAGATC
GCCGAGGAGAAGGCCGGC ATCGTGCCATTTCTACCGCAGAGTGGCGTGCGTG
AGGCAAGGCGGGATCCGGTACACGATAACGGGGAACAAGA ACTACAACATGGTG
ATGGTGACGAACGTGGGCGGCGAGGGGGACGTGGTGGCGCTGACGGTGAAGGGC
AACAAGCGCGTCAAGTGGACGCCGATGAAGCGAAGCTGGGGCCAGCTGTGGACG
ACGGAGGTTCGACCTACCGGCGAGTCGCTCACGTT CAGGGTCATGAACGGCGAC
CACCGCAAGGCCACCTCCTGGCACGTCATGCCGCGGGACTGGCAGTTCGGCAAG
ACATACCAGGCGACCAAGA ACTTCTAG

Nucleotide

>SitEXPA-07

ATGTCCGGTTCGTCGCGGACAACAACAATGGCGCCTCTCCTCGCGTCGCTGCTGC
TCGTCGGGCTCCCGCTGCTGGCCGGCGTCGCGGAGGCGAAGCCCCACGTGAACCA
CGGCAAGTTCAAGGGCGGCCCGTGGACGGACGGGCACGCGACGTTCTACGGCGG
GCGCGACGGGTCCGGCACCACGGAGGGCGGGCGCGTGCGGGTACAAGGACGCGCT
CGCCAAGGACTACGGCGAGCTGACGGCGGCCGTGGGCCCGTTCGCTGTACGCCCA

GGGCGCCGGGTGCGGCGCCTGCTACGAGGTGAAGGGCGCGGAGGGCGAGGCCGC
CAGCACCGGCAAGTCCGTGGTGGTGACGGCCACGAACCAGGCCCCCGCCGCCGGT
CAGCGGGCAGAAGGGCGAGCACTTCGACCTCACCATGCCGGCGTTCCTCCAGATC
GCCGAGGAGAAGGCCGGCATCGTGCCATTTCTACCGCAGGCACAACCCAACCT
TGCATTGCATTACATTATTGCATTTGACCTTCATTTGACACATCGTCTCCTGCTGC
AGAGTGGCGTGCGTGAGGCAAGGGCGGGATCCGGTACACGATAACGGGGAACAAG
AACTACAACATGGTGATGGTGACGAACGTGGGCGGCGAGGGGGACGTGGTGGCG
CTGACGGTGAAGGGCAACAAGCGCGTCAAGTGGACGCCGATGAAGCGAAGCTGG
GGCCAGCTGTGGACGACGGAGGTCGACCTCACCGGCGAGTCGCTCACGTTTCAGG
GTCATGAACGGCGACCACCGCAAGGCCACCTCCTGGCACGTCATGCCGCGGGACT
GGCAGTTCGGCAAGACATAACCAGGCGACCAAGAACTTCTAG