

IDENTIFICATION

Species: *Setaria italica*

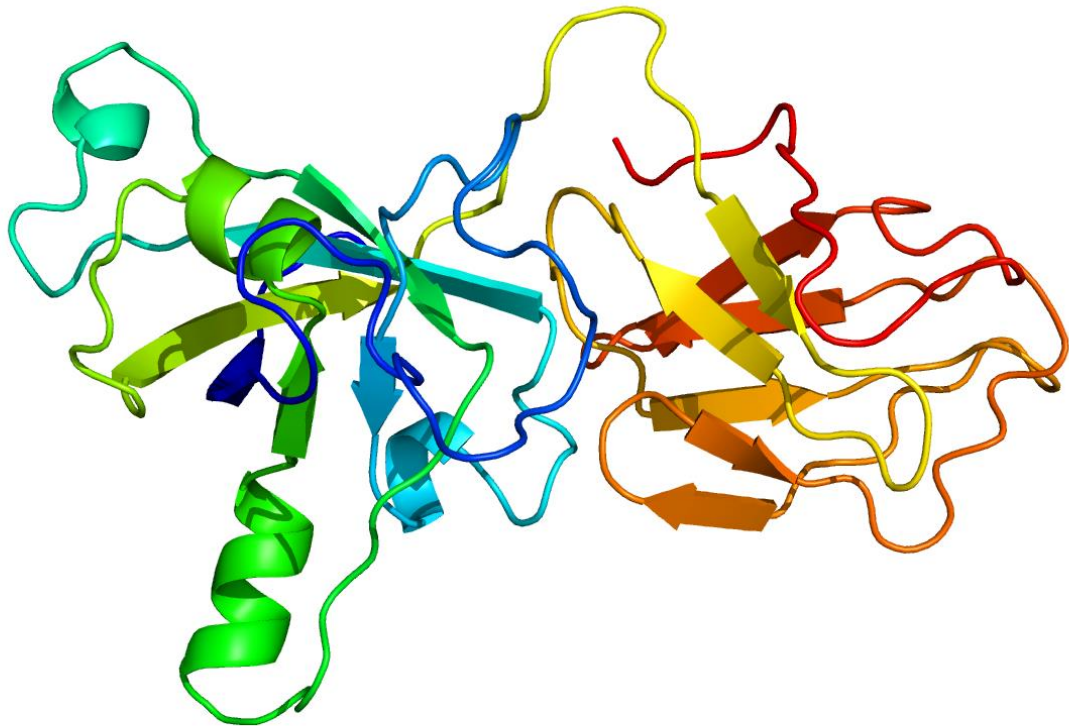
Locus: Seita.5G062500

Gene Model: Seita.5G062500.1.p

Description: SitEXPA-14

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>

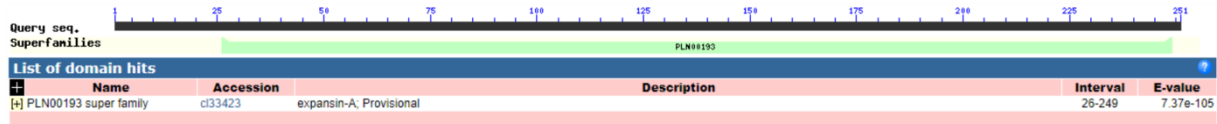
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-14

MEKAILLLLLSLCAARLDGAAAQQYWTPATATFYGGSDASGTMGGSCGYGNLYNA
GYGTQTTALSTALYGDGASCGACFIVACDASRTQYCKPGSPSVTVTATNFCPPNYGD
PSGWCNSPRQHFDMSQPAWETIGVYQAGIVPVNYRRVPCSRSGGIRFGISGHDYFELV
LITNVGGAGAVAAAWVRGTGTDWLAMSRNWGANWQSSAYLTGQSLSFKVQTDDG
KAVMAYNVAPANWQFGCTYQASVNFY*

CDS (coding sequence)

>SitEXPA-14

ATGGAGAAGGCGATCCTGCTCTTGCTGCTGAGCTTGTGCGCCGCCCGGCTTGACG
GCGCAGCGGCGCAGCAGTACTGGACGCCGGCCACCGCCACGTTCTACGGCGGGA
GCGACGCGTCCGGCACCATGGGCGGGTCGTGCGGGTACGGCAACCTGTACAACG
CCGGGTACGGGACGCAGACGACGGCGCTGAGCACGGCGCTCTACGGCGACGGCG
CCTCCTGCGGCGCGTGTTCATCGTCGCCTGCGACGCGTCGCGGACGCAGTACTG
CAAGCCGGGGTTCGCCGTCGGTGACCGTCACGGCGACCAACTTCTGCCCGCCCAAC
TACGGCGACCCAGCGGGTGGTGCAACTCGCCGCGGCAGCACTTCGACATGTTCG
AGCCGGCGTGGGAGACCATCGGCGTGTACCAGGCCGGCATCGTCCCCGTCAACTA
CCGGAGGGTCCCCTGCAGCCGGTCCGGCGGGATCAGGTTCCGGATCAGCGGGCA
CGACTACTTCGAGCTCGTGCTCATCACCAACGTTCGGCGGCGCCGGCGCGGTGGCG
GCGGCGTGGGTCAGGGGGACCGGCACCGACTGGCTGGCGATGAGCCGCAACTGG
GGGGCGAACTGGCAGAGCAGCGCGTACCTACTGGGCAGAGCCTGTCTGTTCAAG
GTGCAGACGGACGACGGCAAGGCCGTATGGCGTACAACGTTGCGCCGGCGAAC
TGGCAGTTCGGCTGCACCTACCAGGCCTCGGTCAACTTCTACTAG

Nucleotide

>SitEXPA-14

TAAGATACAGGGAGGCCACATGCAGCGTGCATGATCACCTCGTCGTCAGCCAACC
GTTTCGCTCGCCGGCAGTTGCAGGCTTATAAGTAGTAGGAGAGAAGAGTTGTGCAG
TCGCAACAGATTGCAACTTGCAAGTGATCTGGTCAGTCTGGCAGCGTCTTGCTGA
GAGACGATGGAGAAGGCGATCCTGCTCTTGCTGCTGAGCTTGTGCGCCGCCCGGC
TTGACGGCGCAGCGGCGCAGCAGTACTGGACGCCGGCCACCGCCACGTTCTACG

GCGGGAGCGACGCGTCCGGCACCATGGGTAACACATCCACGCCGACGACCTTTTT
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ATCGGCGTGTACCAGGCCGGCATCGTCCCCGTCAACTACCGGAGGGTCCCCTGCA
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GCTCATCACCACGTCGGCGGGCGCCGGCGCGGTGGCGGGCGGCGTGGGTTCAGGGG
GACCGGCACCGACTGGCTGGCGATGAGCCGCAACTGGGGGGCGAACTGGCAGAG
CAGCGCGTACCTACTGGGCAGAGCCTGTTCGTTCAAGGTGCAGACGGACGACGG
CAAGGCCGTCATGGCGTACAACGTTGCGCCGGCGAACTGGCAGTTCGGCTGCACC
TACCAGGCCTCGGTCAACTTCTACTAGAGAGTGATAAGATGATGATGATAGGCGC
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TAAAGACTCGACTCAATGGGCCATGTAAAGTAACAGCCCATGAGCTGGGGAGAA
AATTATTAATAGTGCATATACCATCTTCGCAAAAAGGGAAGAAAAAACACAT
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CCGACTTACAGCTGGACCCTTATTCCATTTTGACTTCCTTCAAACCTCAGCTTCAG
GTTCTTTCTTCATGGAAATAATCATAATCATGAGCTGGTGCATATGGATGACAA
GAAATGATTTAATCTTCAGAGGCATACCACCAACAACGCAAGGGGCCATCTTGCG
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