

IDENTIFICATION

Species: *Setaria italica*

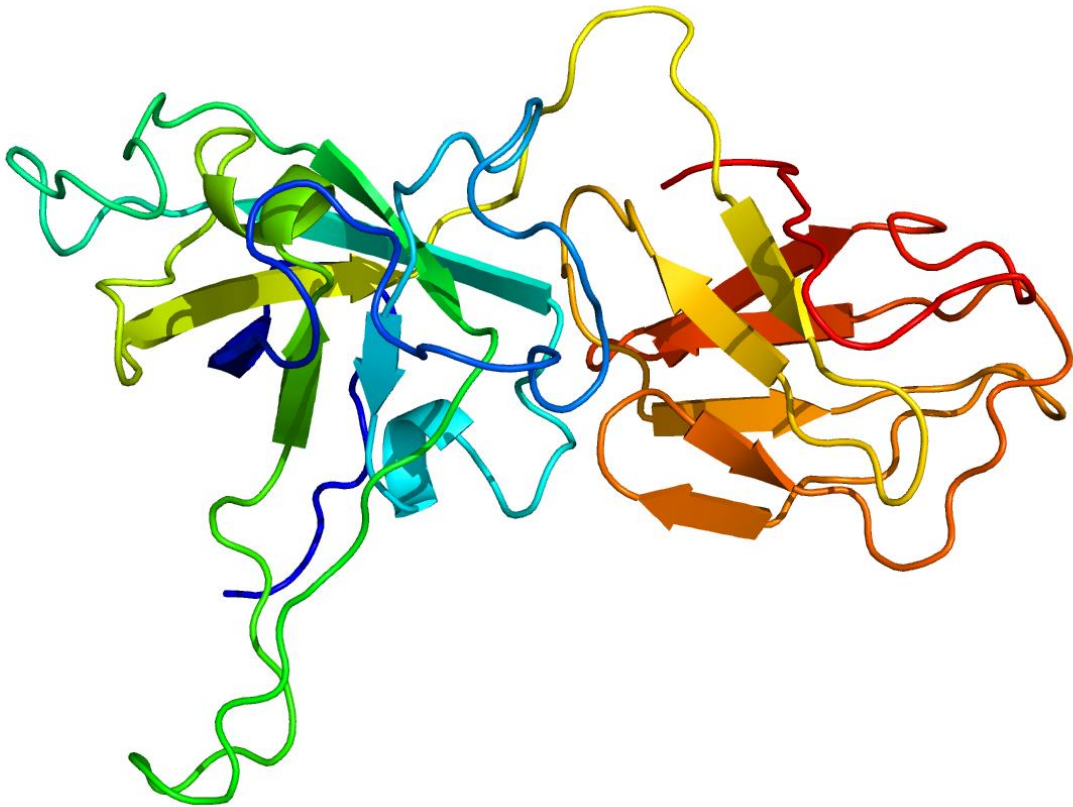
Locus: Seita.9G032400

Gene Model: Seita.9G032400.1.p

Description: SitEXPA-22

Family: Alpha Expansin

3D structure:



GENOME DATABASES

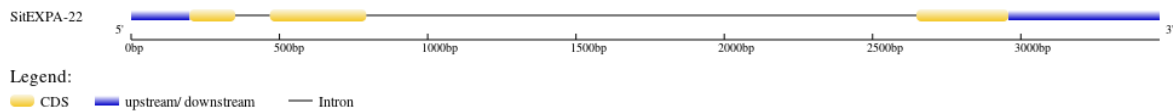
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

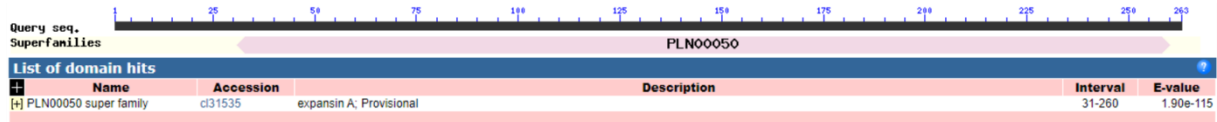
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-22

MAAMPALLLLVAAAAALVLPAAARIPGVYGGAWQSAHATFYGGSDASGTMGGA
CGYGNLYSQGYGVNNAALSTALFNEGQSCGACFEIKCENQPGWRWCHPGSPSILVT
ATNFCPPNYALPSDDGGWCNPPRPHFDLAMPMFLHIAEYRAGIVPVSYRRVPCRKSG
GIRFTINGFRYFNLVLITNVAGAGDIVRASVKGSGTGWLPMSRNWQNWQSNAILVG
DALSFRTGSDRRTSTSWNAAPRNWQFGQTFEGKNFRV*

CDS (coding sequence)

>SitEXPA-22

ATGGCGCAATGCCGGCGCTGCTTCTCCTGGTGGCCGCGGCCGCCGCGCTGGTCC
TCCCCGCCGCCGCCCGCATTCCCGCGTGTACGGCGCGCGGCCCTGGCAGAGCGC
GCACGCCACGTTCTACGGCGGCAGCGACGCCTCGGGCACCATGGGCGGCGCGTG
CGGTTACGGCAACCTGTACAGCCAGGGTTACGGCGTGAACAACGCGGGCGCTGAG
CACGGCGCTGTTCAACGAGGGGCAGAGCTGCGGCGCCTGCTTCGAGATCAAGTG
CGAGAACCAGCCCGGGTGGCGGTGGTGCCACCCCGGGAGCCCCTCCATCCTGGTC
ACGGCCACCAACTTCTGCCCGCCAACTACGCGCTCCCCTCCGACGACGGCGGGT
GGTGAACCCTCCCCGCCCCCACTTCGACCTCGCCATGCCATGTTCTCCACATC
GCCGAGTACCGCGCCGGCATCGTCCCCGTCTCCTACCGCCGGGTGCCGTGCCGCA
AGTCCGGCGGGATTTCGGTTCACCATCAACGGCTTCCGCTACTTCAACCTGGTGCT
CATCACGAACGTGGCCGGGGCCGGCGACATCGTGCGCGCGAGCGTGAAGGGCTC
CGGCACCGGGTGGCTGCCCATGTCCGCGGAAGTGGGGCCAGAAGTGGCAGTCCAA
CGCCATCCTCGTCGGCGACGCGCTCTCCTTCCGCGTCACCGGCAGCGACCGCCGC
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Nucleotide

>SitEXPA-22

GGAGTCCCAGGAGAGCGCCATAAATACCACCCAGCCTTGGCCCTTCTTCCTTGGC
CTCCCCACCACTCTCCGCCCCCGCCCAGTCTTCTCCTGTGCCGCCGCGAACTGACACC
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AACTAGGCAAGCGAGCGAGGAAAGAGGAGGGGATGGCGGCAATGCCGGCGCTG
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CGGCGTGTACGGCGGGCGGCCTGGCAGAGCGCGCACGCCACGTTCTACGGCGG
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