

IDENTIFICATION

Species: *Setaria italica*

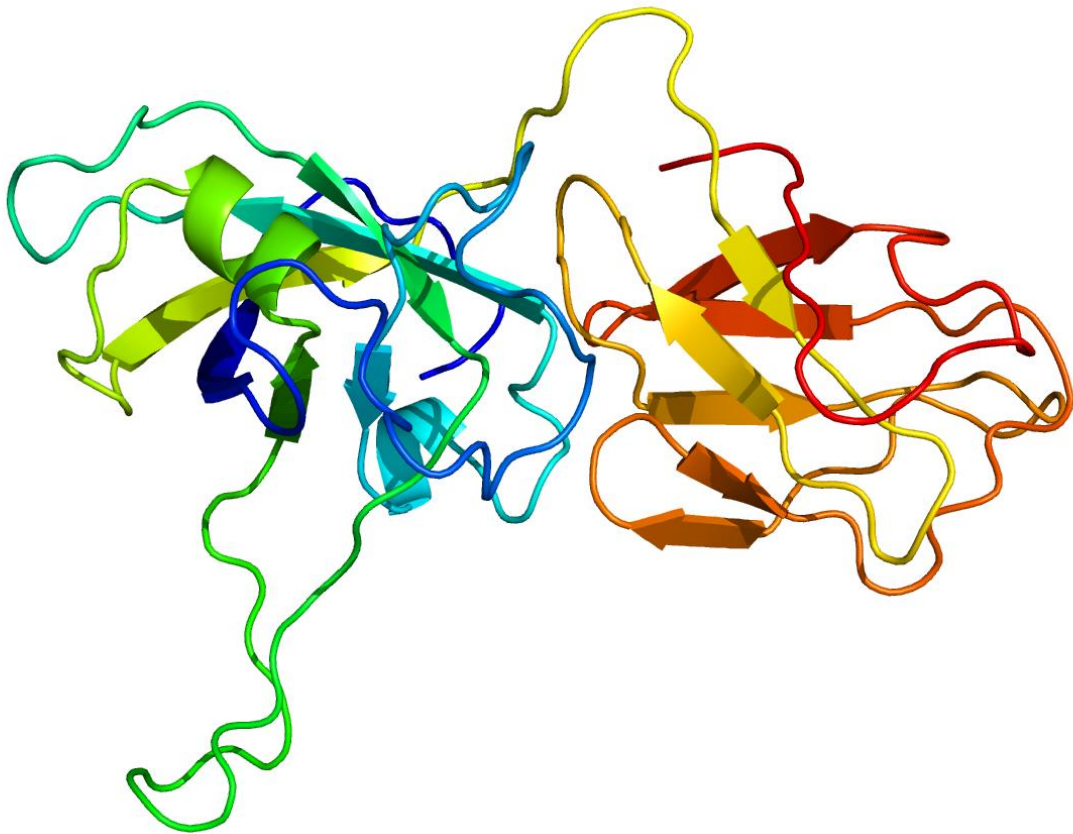
Locus: Seita.5G044100

Gene Model: Seita.5G044100.1.p

Description: SitEXPA-13

Family: Alpha Expansin

3D structure:



GENOME DATABASES

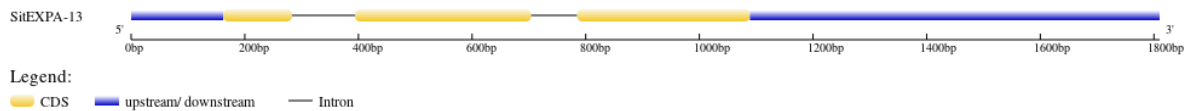
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

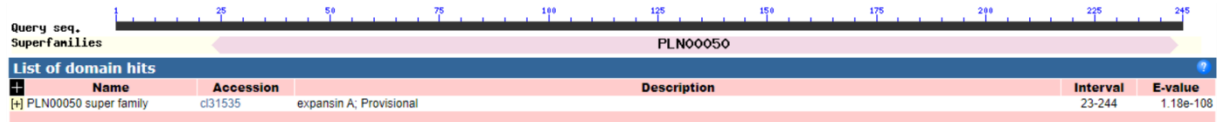
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-13

MESLGLLVLALAAVLKLAGADSWNSGRATFYGGMDASGTMGGACGYGNLYSTGY
GTNTAALSTALFNNGRSCGACFEIRCSGSGSCLSGSALVTATNFCPPNYALPNNDGG
WCNPPQSHFDLAEPVFTKIARPSAGVVPVQYRRVACGRQGGIRFTISGHSYFVLVLIT
NVGGAGDVMAVSLKGSQTGWQSMHSHNWGANWQSNALLDRQALSFQVTASDGRTV
TCPNAAPSGWSYGQTFSGNQF*

CDS (coding sequence)

>SitEXPA-13

ATGGAGTCCCTAGGCTTGCTGGTTCTTGCCCTCGCCGCCGTGCTCAAGCTCGCCGG
CGCCGACAGCTGGAACAGCGGCCCGCCACGTTTTACGGTGCCATGGACGCTTCC
GGCACTATGGGAGGAGCGTGCGGCTACGGCAACTTGTACAGCACGGGGTACGGG
ACGAACACGGCGGGCGCTGAGCACCGCGCTGTTCAACAACGGGGCGGAGCTGCGGC
GCGTGCTTCGAGATCCGGTGCTCCGGCAGCGGCAGCTGCCTGTCTGGCTCCGCCC
TGGTGACGGCCACCAACTTCTGCCCGCCCAACTACGCGCTCCCCAACACGATGG
CGGGTGGTGCAACCCGCCGAGTCGCACTTCGACCTCGCCGAGCCGGTCTTCACC
AAGATCGCCCGCCCCAGCGCCGGCGTGGTGCCCGTCCAGTACAGGAGGGTGGCG
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TGGTGCTGATCACCAACGTCGGCGGGCGCCGGCGACGTGATGGCGGTGTCGTTGAA
GGGGTCGCAGACGGGGTGGCAGTCTATGAGCCACAACACTGGGGCGCCAACACTGGCA
GAGCAACGCCCTGCTCGACCGCCAGGCGCTGTCGTTCCAGGTCACCGCCAGCGAC
GGCCGCACCGTACAGTGCACCAACGCCGCGCCGAGCGGCTGGAGCTACGGCCAG
ACCTTCTCCGGCAACCAGTTCTAG

Nucleotide

>SitEXPA-13

CTCGCACTGCAGCAAGTTGAGCCATCAGCAACAGCAAGCCTAGTGGTGCTCATCT
AGCGCTGCAAGTACGTGAGTGCAAATCCCTAGCTAGATCTCTCTATCTTTCTTGT
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GTCCCTAGGCTTGCTGGTTCTTGCCCTCGCCGCCGTGCTCAAGCTCGCCGGCGCCG
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CGGCCACTCCTACTTCGTGCTGGTGCTGATCACC AACGTCGGCGGGCGCCGGCGAC
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AACTGGGGCGCCAACTGGCAGAGCAACGCCCTGCTCGACCGCCAGGCGCTGTCG
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