

IDENTIFICATION

Species: *Setaria italica*

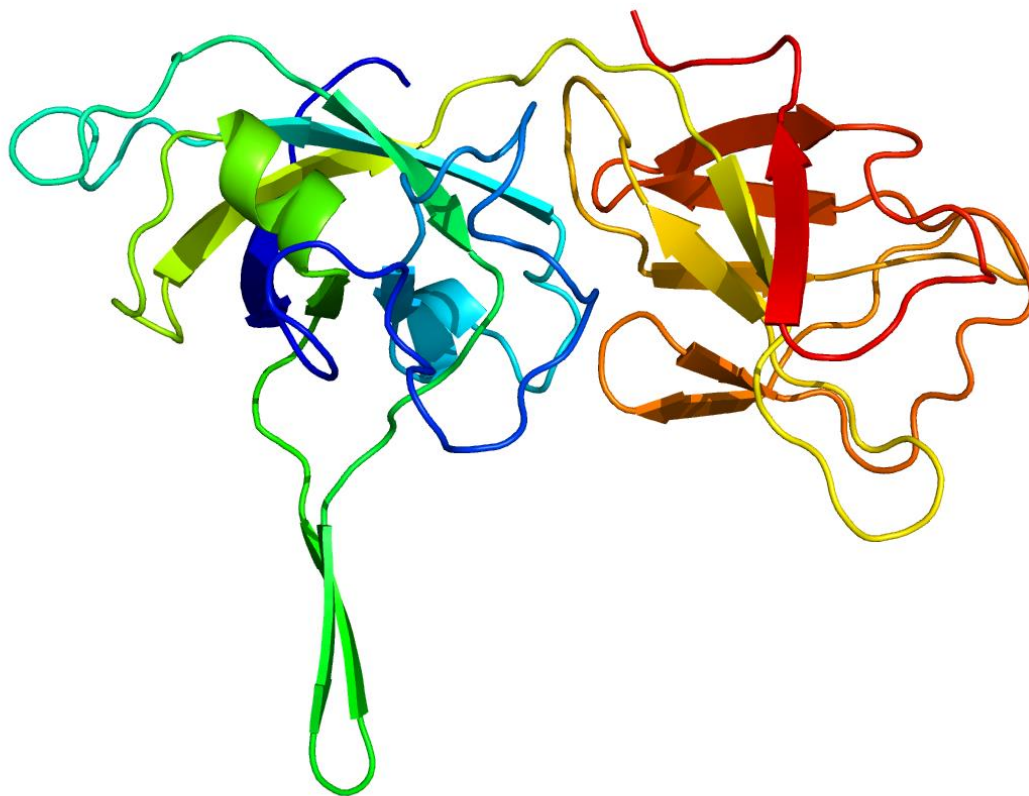
Locus: Seita.9G535700

Gene Model: Seita.9G535700.1.p

Description: SitEXPA-35

Family: Alpha Expansin

3D structure:



GENOME DATABASES

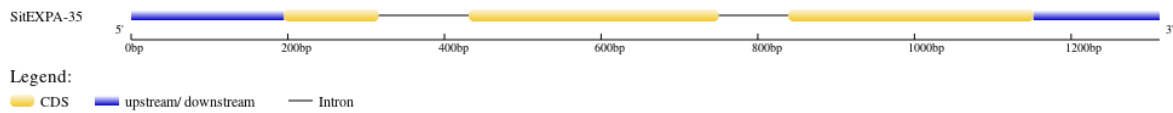
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

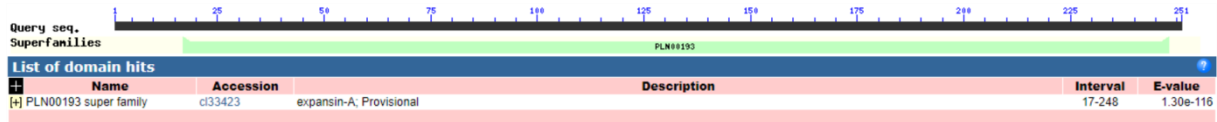
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-35

MDRVLTLFIAVLATFFAPAKGWNRYGTATFYGGPDASGTMGGACGYGNLYQAGYG
TNTAALSSVLFNDGAACGQCYLIMCDSNASPWCKGGAAVTVTATNFCPPNWAQPSN
RGGWCNPPRPHFDMAQPAWERIGVYKAGIIPVLYQQVTCWRQGGIRITIGGSTFFQL
MNFANVGGSGSIRSVSVKGTKTGWIALNRNWGANWQCNSALVGQELSFIVTSTGGQ
TLWINNVVPAWWQFGMAFVSNYNFYY*

CDS (coding sequence)

>SitEXPA-35

ATGGACAGAGTCCTCACATTGTTTCATCGCCGTCCTAACGGCGACGTTCTTCGCGC
CGGCGAAGGGCTGGAACACTACGGGACGGCGACGTTCTACGGCGGCCCCGACGCCT
CCGGCACAATGGGTGGCGCGTGCGGGTACGGGAACCTGTACCAGGCGGGGTACG
GGACGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAATGACGGCGCGGCGTGCG
GGCAGTGCTACCTGATCATGTGCGACAGCAACGCGTCCCCCTGGTGCAAGGGCGG
CGCCGCGGTGACCGTACCGGCCACCAACTTCTGCCCGCCCAACTGGGCGCAGCCC
AGCAACCGCGGCGGCTGGTGCAACCCGCGCGGCCCACTTCGACATGGCGCAG
CCCGCCTGGGAGCGCATCGGCGTCTACAAGCCGGCATCATCCCCGTCTCTACC
AGCAGGTGACGTGCTGGAGGCAGGGAGGGATCCGGATCACCATCGGAGGATCCA
CCTTCTTCCAGCTGATGAACTTCGCGAACGTGGGCGGGAGCGGGTCGATCCGGTC
GGTGTTCGGTGAAGGGGACCAAGACGGGGTGGATCGCGCTGAACCGCAACTGGGG
CGCCAACCTGGCAGTGCAACTCGGCGCTCGTCCGGCAGGAGCTCTCCTTCATCGTC
ACCTCCACCGGCGGCCAGACGCTCTGGATCAACAACGTCGTGCCGGCGTGGTGGC
AGTTCGGCATGGCCTTCGTCAGCAACTACAACCTTCTACTACTGA

Nucleotide

>SitEXPA-35

TTCCTGCAATCCCCTGCCCGGCGTCCCTGAACATAATTCTCGTTCCCTCGTTC
TATATAAGCCATGCCACGATCACTGCAAATCCGTCAGATCAGAAGCTGTTAGGCA
GTCAGTGAATTCTCCTGTAGTGTACTGAAACCGACGAGTATTCCAAGTCTCCTGT
GGTGTCTGTACCGGTCTCTGAGCAGAGATGGACAGAGTCCTCACATTGTTTCATC
GCCGTCTAACGGCGACGTTCTTCGCGCCGGCGAAGGGCTGGAACACTACGGGACG
GCGACGTTCTACGGCGGCCCCGACGCCTCCGGCACAATGGGTAAATATTTACT

AGTTTTTAAATCCAAGATCCATTTTTGTACGAATCTTACAGTAGTTTTTCCAAATG
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CGGGTACGGGAACCTGTACCAGGCGGGGTACGGGACGAACACGGCGGGCGCTGAG
CTCGGTGCTGTTCAATGACGGCGCGGGCGTGCGGGCAGTGCTACCTGATCATGTGC
GACAGCAACGCGTCCCCCTGGTGCAAGGGCGGGCGCCGCCGTGACCGTCACGGCC
ACCAACTTCTGCCCGCCCAACTGGGCGCAGCCCAGCAACCGCGGGCGGCTGGTGCA
ACCCGCCGCGGCCCACTTCGACATGGCGCAGCCCGCCTGGGAGCGCATCGGCGT
CTACAAGGCCGGCATCATCCCCGTCTCTACCAGCAGTAAGTCATCGATCATGTC
GTCGTCTACCACACCTTCGTTTCCTTCTCCGATGAGCTCGCGAGCTGATCGGCCAT
GGTGGCGTGTGCAGGGTGACGTGCTGGAGGCAGGGAGGGATCCGGATCACCATC
GGAGGATCCACCTTCTTCCAGCTGATGAACTTCGCGAACGTGGGGCGGGAGCGGGT
CGATCCGGTCGGTGTGCGGTGAAGGGGACCAAGACGGGGTGGATCGCGCTGAACC
GCAACTGGGGCGCCAACCTGGCAGTGCAACTCGGCGCTCGTCGGGCAGGAGCTCT
CCTTCATCGTCACCTCCACCGGCGGCCAGACGCTCTGGATCAACAACGTCTGTGCC
GGCGTGGTGGCAGTTCGGCATGGCCTTCGTCAGCAACTACAACCTTCTACTACTGA
CCAATAGCTATAGCTCGAGGGCGGCCAAGCTAAGCAAGCGCAGGGGTACTTTCG
GTTGTTGTAATGGAAGGCGACAATTTGTTTCGTTCTTTTTTCTTGGGGGCTACTTTG
TACATGTACATCTCGTTGTGATAAGAGGAATATATTGACCATTTTCAGACTT