

IDENTIFICATION

Species: *Setaria italica*

Locus: Seita.6G251700

Gene Model: Seita.6G251700.1.p

Description: SitEXPA-19

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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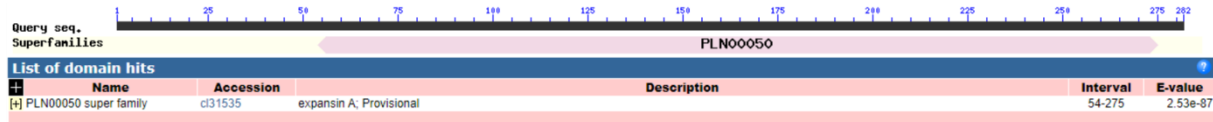
GENE STRUCTURE



Legend:

Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-19

MAPPPATSRRGPLVVPLLLLLAALDVAGASGHKPLTPGGRLVHHNHGKFTAGPWKP
AHATFYGGRDGSDTTAGACGYKDTRAEGYGVQTVAVSTVLFGDGAACGGCYEVRC
VDSPHGCKAAAAAPLVVTATNLCPPNYQQSSDNGGWCNPPREHFDLSMPAFLQIAEE
KAGIVPISYRRVACVKQGGIRYTITGNRYFNMVMVTNVGGAGDLAAVSVKGSKRVK
WTELKRNWGQVWQTGEDLTGESLTFRLMTSDHRKATSWHVLPTNWQFGVTYEAT
KNF*

CDS (coding sequence)

>SitEXPA-19

ATGGCACCAACCGCCGGCGACGTCGAGAAGAGGTCCTCTCGTCGTGCCGCTGCTGC
TGCTGCTGGCGGCGCTCGACGTCGCAGGTGCGAGCGGCCACAAGCCCTTGACGCC
CGGCGGGCGCCTGGTGCACCACAACCACGGCAAGTTCACGGCCGGCCCCCTGGAA
GCCCCGCGACGCCACCTTCTACGGCGGGCGCGACGGCTCCGACACGACGGCGGG
CGCGTGCGGGTACAAGGACACGCGGGCGGAGGGGTACGGCGTGCAGACGGTGGC
GGTGAGCACGGTGCTGTTTCGGCGACGGCGCGGCGTGCGGCGGATGCTACGAGGT
GCGGTGCGTGGACAGCCCCACGGCTGCAAGGCGGCGGCGGCGGCCGCGCTGGT
GGTGACGGCGACGAACCTGTGCCCGCCAACTACCAGCAGTCGAGCGACAACGG
CGGGTGGTGAACCCGCCGCGGGAGCACTTCGACCTGAGCATGCCGGCGTTCCTG
CAGATCGCGGAGGAGAAGGCCGGGATCGTGCCCATCTCCTACCGGCGGGTGGCG
TGCGTGAAGCAGGGCGGCATCCGCTACACCATCACC GGGAACAGGTACTTCAAC
ATGGT GATGGTGACCAACGTGGGCGGGCGCCGGCGACCTGGCGGCGGTGTCCGGTG
AAGGGGAGCAAGCGCGTCAAGTGGACGGAGCTGAAGCGCAACTGGGGGCAGGT
GTGGCAGACCGGGGAAGACCTCACCGGAGAGTCGCTGACGTTCCGGCTGATGAC
CAGCGACCAACCGCAAGGCCACATCCTGGCACGTCCTCCCCACCAACTGGCAGTTC
GGCGTCACCTACGAGGCGACCAAGA AACTTCTAG

Nucleotide

>SitEXPA-19

ATGGCACCAACCGCCGGCGACGTCGAGAAGAGGTCCTCTCGTCGTGCCGCTGCTGC
TGCTGCTGGCGGCGCTCGACGTCGCAGGTGCGAGCGGCCACAAGCCCTTGACGCC
CGGCGGGCGCCTGGTGCACCACAACCACGGCAAGTTCACGGCCGGCCCCCTGGAA

GCCCGCGCACGCCACCTTCTACGGCGGGCGCGACGGCTCCGACACGACGGCGGG
CGCGTGCGGGTACAAGGACACGCGGGCGGAGGGGTACGGCGTGCAGACGGTGGC
GGTGAGCACGGTGCTGTTTCGGCGACGGCGCGGGCGTGCGGCGGATGCTACGAGGT
GCGGTGCGTGGACAGCCCCACGGCTGCAAGGCGGGCGGGCGGGCGCCGCTGGT
GGTGACGGCGACGAACCTGTGCCCGCCAACTACCAGCAGTCGAGCGACAACGG
CGGGTGGTGCAACCCGCCGCGGGAGCACTTCGACCTGAGCATGCCGGCGTTCCTG
CAGATCGCGGAGGAGAAGGCCGGGATCGTGCCCATCTCCTACCGGCGGGTGGCG
TGCGTGAAGCAGGGCGGCATCCGCTACACCATCACCGGGAACAGGTACTTCAAC
ATGGTGATGGTGACCAACGTGGGCGGGCGCCGGCGACCTGGCGGGCGGTGTGGTG
AAGGGGAGCAAGCGCGTCAAGTGGACGGAGCTGAAGCGCAACTGGGGGCAGGT
GTGGCAGACCGGGGAAGACCTCACCGGAGAGTCGCTGACGTTCCGGCTGATGAC
CAGCGACCACCGCAAGGCCACATCCTGGCACGTCCTCCCCACCAACTGGCAGTTC
GGCGTCACCTACGAGGCGACCAAGA AACTTCTAG