

IDENTIFICATION

Species: *Setaria italica*

Locus: Seita.3G204900

Gene Model: Seita.3G204900.1.p

Description: SitEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

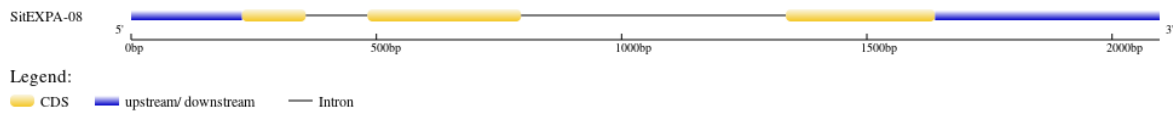
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

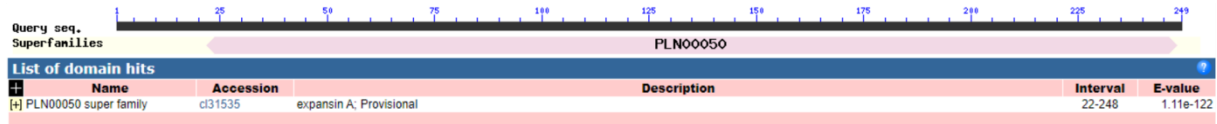
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPA-08

MAVAGALFLLFSLAREAAAGGYGGWQSAHATFYGGGDASGTMGGACGYGNLYS
SGYGTNTAALSTALFNDGAACGSCYELRCQNAGGSCLPGSITVTATNFCPPNYGLPS
DDGGWCNPPRPHFDMAEPAFLHIAQYRAGIVPVAFRRVPCVKKGGIRFTINGHSYFN
LVLVTNVAGAGDVRVSIRSRTGWQPMSRNWQNWQSN AFLDRQALS FQVTASD
GRTVTSTNAAPAGWQFGQTFEGRQF*

CDS (coding sequence)

>SitEXPA-08

ATGGCCGTTGCCGGCGCCCTCTTCCTCCTCCTCAGTCTCCTCGCCCGGGAAGCCGC
GGCTGGCGGCTACGGCGGGTGGCAGAGCGCGCACGCCACGTTCTACGGAGGCGG
CGACGCGTCCGGCACAAATGGGCGGCGCGTGCGGGTACGGCAACCTGTACAGCAG
CGGGTACGGCACGAACACGGCGGGCGCTGAGCACGGCGCTGTTCAACGACGGCGC
GGCGTGCGGGTCATGCTACGAGCTGCGGTGCCAGAACGCGGGCGGGTTCGTGCCT
GCCGGGCTCCATCACCGTGACGGCCACCAACTTCTGCCCGCCCAACTACGGCCTC
CCCAGCGACGACGGCGGCTGGTGCAACCCGCCGCGCCCGCACTTCGACATGGCC
GAGCCGGCCTTCTCCACATCGCGCAGTACCGCGCCGGCATCGTGCCCGTCGCAT
TCAGGAGGGTGCCGTGCGTGAAGAAGGGCGGCATCCGGTTCACCATCAACGGCC
ACTCTACTTCAACCTGGTGCTGGTGACCAACGTGGCCGGCGCCGGCGACGTGCG
GTCCGTCTCCATCCGTGGCTCCCGCACCGGGTGGCAGCCCATGTCCCGGAACTGG
GGCCAGAACTGGCAGAGCAACGCCTTCTCGACCGCCAGGCGCTCTCCTTCCAGG
TCACCGCCAGCGATGGCCGCACCGTACCAGCACCAACGCCGCCCGCCCGGGCTG
GCAGTTCGGACAGACCTTCGAGGGCCGCCAGTTCTGA

Nucleotide

>SitEXPA-08

TTCGTCGTCGCAACCAAGGGAAAATTGCCCGCACGGCCCCAGAGTTTTCTTCCAA
CCGCCACCGGCGCTTTAGCTTAGAGCTCGGGCTATAAATAGCCGGGCTGGGAGGG
CCGAGCTTCTCACTGCCAGCCAGACGTTCCAAAGCGAGCCGATAGAGCGGTTAG
CTTTAGACGACGATACCTCCCCAAGCTCGGAAGGTAGCTCCTAGCTGGTACTTG
TTAGCAATGGCCGTTGCCGGCGCCCTCTTCCTCCTCCTCAGTCTCCTCGCCCGGGA
AGCCGCGGCTGGCGGCTACGGCGGGTGGCAGAGCGCGCACGCCACGTTCTACGG

AGGCGGCGACGCGTCCGGCACAATGGGTGAGTAACCGATCCAGTCCCCTGCTTCT
TCCTCGCCGGCGGGCGGGCTACAGCTAGCACGTGCGCGTTCTCGATCAGTTCAC
CAAACAACATCCGACTGGATGCTTCTCTGCGCATGGACAGGCGGCGCGTGC GG
GTACGGCAACCTGTACAGCAGCGGGTACGGCACGAACACGGCGGGCGCTGAGCAC
GGCGCTGTTCAACGACGGCGCGGGCTGCGGGTTCATGCTACGAGCTGCGGTGCCA
GAACGCGGGCGGGTTCGTGCCTGCCGGGCTCCATCACCGTGACGGCCACCAACTTC
TGCCCGCCCAACTACGGCCTCCCCAGCGACGACGGCGGCTGGTGCAACCCGCCGC
GCCC GCACTTCGACATGGCCGAGCCGGCCTTCCTCCACATCGCGCAGTACCGCGC
CGGCATCGTGCCCGTTCGATTACAGGAGGTAATACACACGCTCATCAGTGACCACG
ATGCCTGCACAAGTGCACATGGCGGTGGTGGTCACGCACACAGCACACTGCACGT
CCGGCCAGCCCCAGCTACGAGACTCACACCGCCACTTTTGTGCTACCACGACGCC
CGTGGCTGGCTCGATCAACAGCAACCCAGGCAAGGCAACCAACCGCGTTCGGT
TCGAATGCCTGTGGGCCCCGCACCCGGTCCGGTCCATTAGTTCGGTGGGCCCC
CGCAGATTTGGTACGCGGGCGTGGTTCCTGGGCGACGTGCATGTGCCCTGCCTTTCA
ATGTTTGTTTACCGAGCTACGACTGCTCGTCTAGGATCACTTCCACCGCACTTCAC
TCTCACTCACTCACTCCTGTTGACATTTGACACCGATCACGATCTGGTCGTCGTT
CCTCGTGAATCTTTTTTACCTAATACTACGTGTACTACTCACGTAACGTACTAC
ACTGACCGTTGCAATATTGGATGTGAGGGGGCTGGTTACTGATCGATGAGCCGCTG
CCGATGTCGATGCAGGGTGGCGTGGTGAAGAAGGGCGGCATCCGGTTCACCATC
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ACGTGCGGTCCGTCTCCATCCGTGGCTCCCGCACCGGGTGGCAGCCCATGTCCCG
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GATTTATTTTCGAACCTTCATATTGCTGGTGTACTTGTACTCGCACCGGCCTTGCG
CCGGAATTGAAAACCGCAAGGCCGCCATTGCTCTGGCTAGCTTTATTTGTTTCTTC
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