

IDENTIFICATION

Species: *Sorghum bicolor*

Locus: Sobic.003G338801

Gene Model: Sobic.003G128800.1.p

Description: SbEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

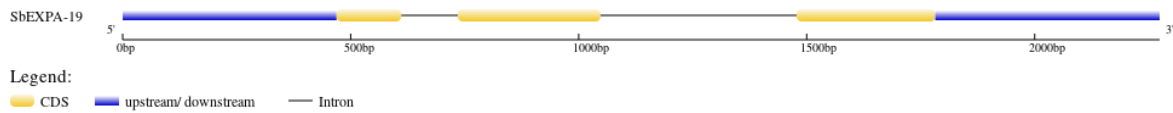
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

KEGG: <https://www.genome.jp/entry/T01086>

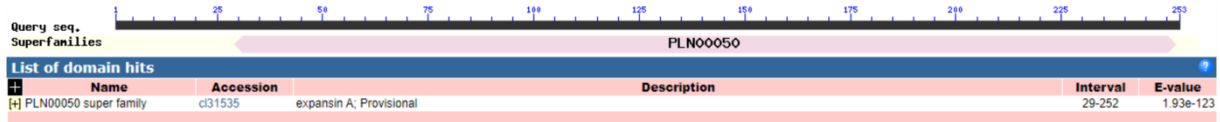
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPA-19

MAAAANVLLLLLSTFCFLAHRAAGDYGGWQSAHATFYGGGDASGTMGGACGYG
NMYSTGYGTNTAALSTALFNDGAACGSCYELRCDNDGQSCLPGTITVTATNFCPPNY
GLPSDDGGWCNPPRPHFDMAQPAFLQIAQYRAGIVPVA YRRVPCVKKGGIRFTINGH
SYFNLVLTNVAGAGDVQSVSIKGSSTGWQPM SRNWGQNWQSN SLLDGQSLSFQVT
ASDGRVT SNGVAPAGWQFGQTFEGAQF*

CDS (coding sequence)

>SbEXPA-19

ATGGCAGCAGCTGCCAACGTCCTGCTCCTCCTGCTCTGCTCAACCTTCTGCTTCT
TGCCACCGGGCGGCCGGCGACTATGGCGGCTGGCAGAGCGCCACGCCACGTT
CTACGGCGGGCGGCGACGCGTCCGGCACAATGGGCGGCGCGTGTGGGTACGGGAA
CATGTACAGCACGGGGTACGGCACGAACACGGCGGCGCTGAGCACGGCGCTGTT
CAACGACGGCGCGGCGTGC GGGTCTGCTACGAGCTGCGCTGCGACAACGACGG
GCAGTCGTGCCTGCCGGGCACCATCACCGTGACGGCCACCACTTCTGCCCGCCC
AACTACGGCCTCCCCAGCGACGACGGCGGCTGGTGCAACCCGCCGCGCCCGCACT
TCGACATGGCGCAGCCGGCCTTCTCCAGATCGCGCAGTACCGCGCCGGCATCGT
GCCCGTCGCCTACAGGAGGGTGCCGTGCGTGAAGAAGGGCGGGATCCGGTTCAC
CATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGCCGGCGCC
GGGACGTGCAGTCCGTCTCCATCAAGGGCTCCAGCACCGGGTGGCAGCCCATGT
CCCGAACTGGGGCCAGA ACTGGCAGAGCAACTCGCTCCTCGACGGCCAGAGCC
TCTCCTTCCAGGTCACCGCCAGCGACGGCCGCACCGTCAACGCAACGGCGTCCG
GCCGGCGGGCTGGCAGTTCGGCCAGACCTTCGAGGGCGCCAGTTCTAG

Nucleotide

>SbEXPA-19

CACATTTCTTGTCTTGCCACTAGCCAAATAAGCCCAGACCCATGCCTTGCAGTCTC
GCGAGAGAGCCAGCCATGTGGGCGTGATGCTGGGCTGTCCGGTCTGTACACGC
ACGAGCAGTTGGCGTTCGCTACTTGC GCGCCCTAGCGACGAGCACACTTGCA
TGTGCGCCTGATTCGTATGTGCTAACCGCCGTCGTGTACCGCGGCGATCGTGGTC
GGCGCTCGCCGGCGGGGGTAGCACCCAGTCCCCACCTCCCTTATCTCTTTTGTCT
CGACGAATTCCCTGCCCTCCACGAACGTTATTAACGATTCCA ACTGCCGGGAGC

ACTGACCGTTGTTGGCCTATAAGTACCTGGCCTCCGCGCCCCACTCCCTTCACAGC
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CCTGCTCTGCTCAACCTTCTGCTTCCCTTGCCCACCGGGCGGCCGGCGACTATGGCG
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TGGGTGAGTCCTCTTCCACGACCGACCGAGA ACTTATATATACTAGCTAGCTAGC
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GTACGGCACGAACACGGCGGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGGC
GTGCGGGTCTGCTACGAGCTGCGCTGCGACAACGACGGGCAGTCGTGCCTGCCG
GGCACCATCACCGTGACGGCCACCAACTTCTGCCCCGCCAACTACGGCCTCCCCA
GCGACGACGGCGGGTGGTGCAACCCGCCGCGCCCCGCACTTCGACATGGCGCAGC
CGGCCTTCCCTCCAGATCGCGCAGTACCGCGCCGGCATCGTGCCCGTGCCTACAG
GAGGTGAGAGATACATATATATATTTTCGTCGTCGGTTTCGAGAAAGTTTTTCATCTC
CCGGCCGGTTGCAGAGAGACTTTGTGACGCCGTGCGGGTGTGCGTTCTTTAGACC
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ATTAGGCGTCACACTGACCATTATGAGCTTCCATGTTAGTTGTTACTACCTTCAAT
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TATGATGATATGCTCGTGGTTTGATCCTCAGTTTGTACCTTTTTTGTCTTCCATCGA
TCCATCTCTTT