

## IDENTIFICATION

**Species:** *Sorghum bicolor*

**Locus:** Sobic.002G305800

**Gene Model:** Sobic.002G305800.1.p

**Description:** SbEXPA-15

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

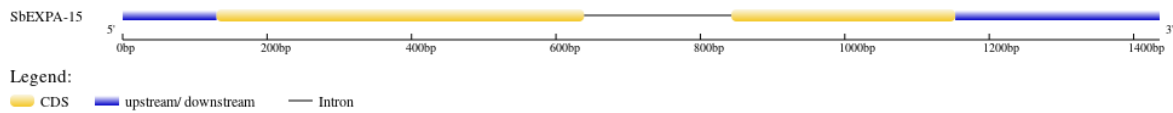
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sbicolor\\_v3\\_1\\_1](https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1)

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

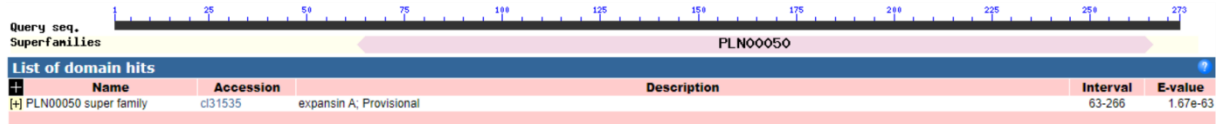
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPA-15

MSGRRRRSWTIWAPLLASLLLAGLALS AKVVDEEAEADGDDGGGASKKKKPHVNH  
GKFKADPWTGDHATFYGGRDGS GTTDGGACGYKGELGKDYGALTA AVGPSLYTNG  
AGCGACYELKGSKGTVVVTATNQAPPPVSGQKGEHFDLTMPAFLKIDEEKAGIVPIT  
YRKVACARQGGIRYTITGNPNYNMVMVTNVGGAGDVVALSVKGNKRVKWTMPMKR  
SWGQLWITEVNLTGESLTFRVMTGDHRKATSWHVAPRDWKYDKTYQATKNF\*

### CDS (coding sequence)

>SbEXPA-15

ATGTCTGGTCGTCGTCGTCGTTTCGTGGACAATATGGGCGCCTCTCCTGGCGTCGCT  
GCTGCTCGCCGGGCTGGCGCTGTCGGCCAAGGTGGTGGACGAGGAGGCGGAGGC  
GGACGGCGACGACGGTGGTGGCGCCAGCAAGAAGAAGAAGCCCCACGTTAACCA  
CGGCAAGTTCAAGGCGGACCCGTGGACGGACGGGCACGCGACGTTCTACGGCGG  
CCGCGACGGGTCCGGCACCAACGGACGGCGGCGCGTGC GGCTACAAGGGCGAGCT  
GGGAAAGGACTACGGCGCGCTCACGGCGGCCGTGGGCCCCTCGCTCTACACCAA  
CGGCGCCGGGTGCGGCGCGTGCTACGAGCTCAAGGGCTCCAAGGGCACCGTGGT  
CGTGACGGCCACCAACCAGGCCCGCCGGTCAGCGGGCAGAAGGGCGAGCA  
CTTCGACCTCACCTATCGCAAGGTGGCGTGCGCGAGGCAAGGCGGCATCCGGTAC  
ACCATCACGGGGAACCCGA ACTACAACATGGTGATGGTGACCAACGTGGGCGGC  
GCCGGGGACGTGGTGGCGCTGTCGGTGAAGGGCAACAAGCGCGTCAAGTGGACG  
CCGATGAAGCGCAGCTGGGGACAGCTCTGGATCACGGAGGTCAACCTACCGGC  
GAGTCGCTGACGTTCCGCGTCATGACCGGCGACCACCGCAAGGCCACCTCCTGGC  
ACGTCGCGCCCCGCGACTGGAAGTACGACAAAACATACCAGGCCACCAAGA ACT  
TCTAG

### Nucleotide

>SbEXPA-15

ATGCATCTAAAAATGGCGGGTGCATCATCTAAAAAGCTGGCCAGCTACGTATATA  
TTATCATCACGTATTAGCTTGCTAGATTCACACGCTGACTACCAAGCAAATTTAA  
CCATAATTAATTAACCAATCATGTCTGGTTCGTCGTCGTTTCGTGGACAATATGG  
GCGCCTCTCCTGGCGTCGCTGCTGCTCGCCGGGCTGGCGCTGTCGGCCAAGGTGG

TGGACGAGGAGGCGGAGGCGGACGGCGACGACGGTGGTGGCGCCAGCAAGAAG  
AAGAAGCCCCACGTTAACCACGGCAAGTTCAAGGCGGACCCGTGGACGGACGGG  
CACGCGACGTTCTACGGCGGCCGCGACGGGTCCGGCACACGGACGGCGGCGCG  
TGCGGCTACAAGGGCGAGCTGGGAAAGGACTACGGCGCGCTCACGGCGGCCGTG  
GGCCCGTCGCTCTACACCAACGGCGCCGGGTGCGGGCGCGTGCTACGAGCTCAAG  
GGCTCCAAGGGCACCGTGGTCGTGACGGCCACCAACCAGGCCCGCCGCGGTC  
AGCGGGCAGAAGGGCGAGCACTTCGACCTCACCATGCCGGCGTTCCTCAAGATC  
GACGAGGAGAAGGCCGGCATTGTGCCCATCACCTATCGCAAGTAGGTAGCTAGG  
CTTAGTTCGCTTGTTTTATAAACCCTAATTTTTCTACTAACTAGTAGTGTTTTTCTC  
TTATAATAAATCAACGAACAATTTTTTAGTTATAGTTTTTTCAGATAAACAAACAT  
ACTCATAGTGGTAGCACTAGCTTTCATATACATGCATGCATCTACGTACAAACAA  
TTGACACGTACATGTACGTGCAGGGTGGCGTGCGCGAGGCAAGGCGGCATCCGG  
TACACCATCACGGGGAACCCGAACTACAACATGGTGATGGTGACCAACGTGGGC  
GGCGCCGGGGACGTGGTGGCGCTGTCGGTGAAGGGCAACAAGCGCGTCAAGTGG  
ACGCCGATGAAGCGCAGCTGGGGACAGCTCTGGATCACGGAGGTCAACCTCACC  
GGCGAGTCGCTGACGTTCCGCGTCATGACCGGCGACCACCGCAAGGCCACCTCCT  
GGCACGTGCGCGCCCCGCGACTGGAAGTACGACAAAACATACCAGGCCACCAAGA  
ACTTCTAGGATCGGATCATCTTCCGGCCGGCCTCTTCTTTATGCATGCATATTTG  
TATTTTTGTATACTCTCATTCAAGCTTAACATATTGACTGCATGGTTTGTACTGAA  
AAACCGAACTGAACCTCCGTCGCTGGAGTCAATAAACTGTTGACATGTTTCAATT  
TCAACACCATTGGTTTCAGCCAGAGGTTGAGATTGACAAAGTCCTCGTAAGCGTC  
TTGCATGCGGTCAATAGAAATTTTCGTCTATCATTGAATGCAAAATATGCTGTAA  
ATATTTAAATATTC