

IDENTIFICATION

Species: *Sorghum bicolor*

Locus: Sobic.004G121600

Gene Model: Sobic.004G121600.1.p

Description: SbEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

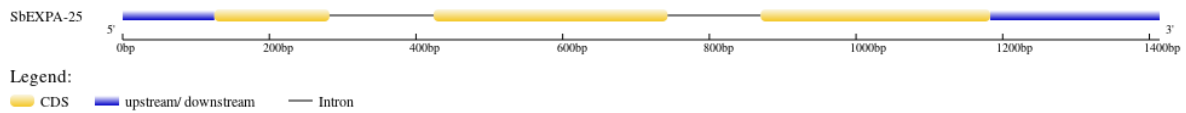
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

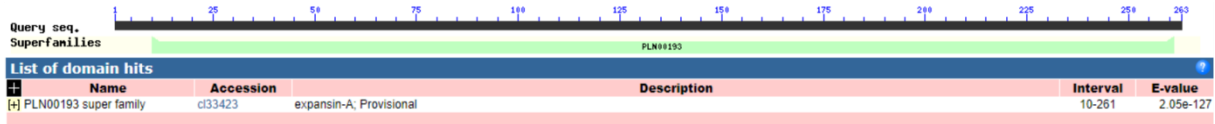
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPA-25

MAV PARVFTLLV L A S A A G W V S A M A A N A P A P P T G W L K A H A T F Y G G A D A S D T M G G
A C G Y G N L Y S Q G Y G T R T A A L S T V L F Q D G A S C G Q C Y K I A C D R K R A D P R F C K P G V T V T V
T A T N F C P P N L A L P E G G W C N Q Q R P H F D M A Q P A F E K I G V Y N G G I I P V M Y K R V P C V K R G
G V R F T I N G H D Y F N L V L V T N V A A A G S I K S M E V K T S N S S N W S P L A R N W G A N W H S L A Y L
T G Q M L S F R L T N T D G Q T I E F T D V M P Q E W K F G Q T F A S K L Q F K *

CDS (coding sequence)

>SbEXPA-25

A T G G C G G T T C C A G C T C G A G T C T T C A C G C T C T T G G T G C T C G C A T C A G C T G C C G G T T G
G G T G T C G G C C A T G G C A G C T A A T G C T C C G G C A C C A C C A C C A A C A G G G T G G C T G A A
G G C G C A T G C C A C C T T C T A C G G A G G C G C A G A T G C C T C C G A C A C C A T G G G C G G C G C
G T G C G G G T A C G G C A A C C T C T A C T C C C A G G G C T A T G G C A C G C G G A C A G C G G C C T T G
A G C A C G G T G C T C T T T C A G G A T G G G G C C T C A T G C G G T C A G T G C T A C A A G A T C G C G T
G C G A C C G C A A G A G A G C C G A C C C C A G G T T C T G C A A G C C C G G C G T C A C G G T G A C C G
T C A C G G C C A C C A A C T T C T G C C C G C C C A A C T T G G C G T G C C C G A G G G C G G C T G G T G
T A A T C A G C A G C G C C C G C A C T T T G A C A T G G C G C A G C C G G C A T T T G A G A A G A T C G G C
G T C T A C A A C G G T G G T A T C A T C C C T G T C A T G T A C A A G A G A G T T C C T T G C G T G A A G C
G A G G T G G G G T A C G C T T C A C C A T C A A T G G G C A T G A C T A C T T C A A T C T T G T G C T T G T
G A C C A A T G T T G C G G C T G C C G G C T C C A T C A A A T C C A T G G A A G T C A A G A C C T C G A A T
T C G A G T A A C T G G T C T C C A T T G G C A C G C A A C T G G G G T G C A A A C T G G C A C T C T C T T G
C A T A T C T T A C A G G G C A G A T G C T C T C G T T T A G G C T C A C C A A C A C G G A T G G A C A A A C
T A T T G A A T T C A C A G A T G T G A T G C C A C A A G A A T G G A A G T T T G G C C A A A C A T T T G C A
T C C A A G T T G C A G T T C A A G T G A

Nucleotide

>SbEXPA-25

C A A A C T C T A T A T C C A T A C C C A T A C A T T A C A T A C A C A C A C C A C C A A A T T G T T C A G G
C A A C A G G G C A G C A G G T C C A C T T T C T G A G C T A C A T A T A T C T C C A G C T T C T T C T C G T A
C G G T T C T T A G A G G T A T G G C G G T T C A G C T C G A G T C T T C A C G C T C T T G G T G C T C G C A
T C A G C T G C C G G T T G G G T G T C G G C C A T G G C A G C T A A T G C T C C G G C A C C A C C A C C A A
C A G G G T G G C T G A A G G C G C A T G C C A C C T T C T A C G G A G G C G C A G A T G C C T C C G A C A

CCATGGGTAAGCTAGCTAGCTAGCCACTCAAGAACCATGCATGGGATAGCTTTCA
GATTTCTATCTCTATATATGCCATGAACATGATGCACATCTGTTCATCTTGGTCTGA
TCTATCAAATAATATACGTCTACGGTGGTGGTGGCAGGCGGCGCGTGCGGGTACG
GCAACCTCTACTCCCAGGGCTATGGCACGCGGACAGCGGCCTTGAGCACGGTGCT
CTTTCAGGATGGGGCCTCATGCGGTGAGTGTACAAGATCGCGTGCGACCGCAAG
AGAGCCGACCCAGGTTCTGCAAGCCCGGCGTACGGTGACCGTACGGCCACC
AACTTCTGCCCCGCCAACTTGGCGCTGCCCCGAGGGCGGCTGGTGTAAATCAGCAGC
GCCCCGACTTTGACATGGCGCAGCCGGCATTGAGAAAGATCGGCGTCTACAACGG
TGGTATCATCCCTGTTCATGTACAAGAGGTATTCTTTTATGTCATTTCCCTACCTCTTC
CTAGCTAGCCTGGATCTATTAGAAAAAATCAAAACCTTACTAGGATGCAATGCAA
TATCCTAATACTACAATAATTAATTTCTTGCTTGCATATAGAGTTCCTTGCGTGA
AGCGAGGTGGGGTACGCTTCACCATCAATGGGCATGACTACTTCAATCTTGTGCT
TGTGACCAATGTTGCGGCTGCCGGCTCCATCAAATCCATGGAAGTCAAGACCTCG
AATTCGAGTAACTGGTCTCCATTGGCACGCAACTGGGGTGCAAACCTGGCACTCTC
TTGCATATCTTACAGGGCAGATGCTCTCGTTTAGGCTCACCAACACGGATGGACA
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CAAATGCATGAATAATGGACTTGCTTGTCTTGTACACTTGTACTCATCAGCCACC
GCTATGTATGGCTTTGTATCTCTCATTCTTTCTATTGTACAGTCCTATGTTTAAATT
TATTTTTTATGGTGTATATAAATATGTTTCAG