

IDENTIFICATION

Species: *Sorghum bicolor* Rio

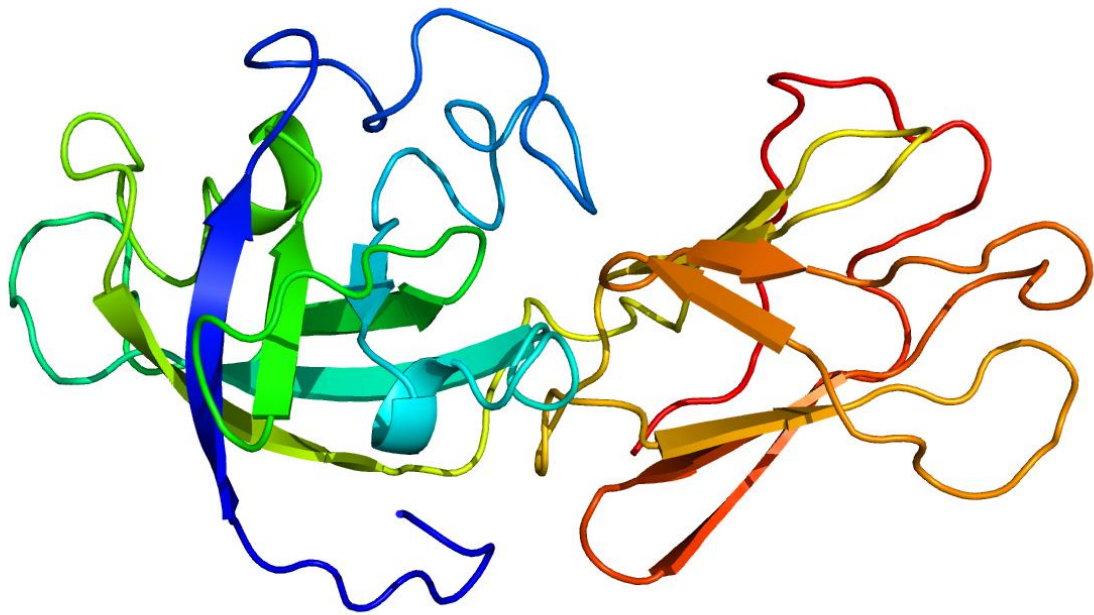
Locus: SbRio.07G021000

Gene Model: SbRio.07G021000.1.p

Description: SbrEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

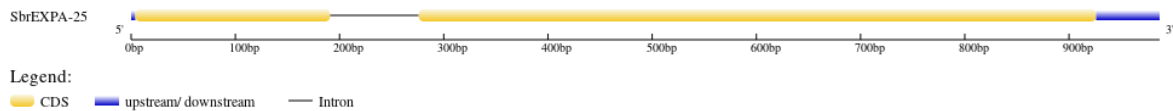
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

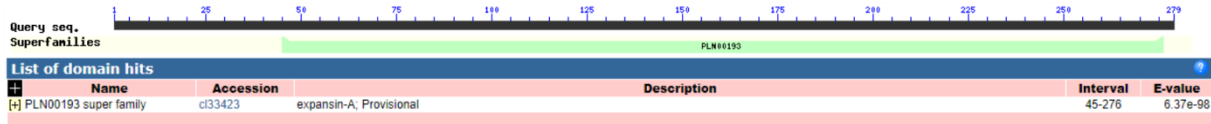
EXTERNAL RESOURCES

<https://www.sorghumbase.org/post/sorghum-bicolor-rio>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-25

MSTVSTYISSSCSQPFPSKMGKRFLHQLLAVVLALFLSPARSGDWLPATATFYGGAD
GSDTMGGACGYSDLYEQGYGINNAALSTALFNDGASCGQCYVIICDSSKTRWCKPG
NNWVVVSATNFCPPNWDLPAVGDLPAGGWCAPPRPHFDMSQPAWENIGIYSAGVIN
VLYQRVKCWKSGGVRFTMAGFNGFYMVLVTNVAGSGSIQSMVAVKGNSTDWIPMYR
NWGANWHCLSGGLVGQGLSFALVSTGGQNLVFKDVVPAWWQFGQTYTTYQNFYD
*

CDS (coding sequence)

>SbrEXPA-25

ATGTCTACTGTCTCTACATATATATCTAGTAGCTGCAGCCAGCCGTTTCCGAGCAA
GATGGGGAAACGCTTCCTCCACCAGCTGCTCGCCGTCGTCCTTGCACTCTTCTCT
CGCCGGCGAGATCGGGCGACTGGCTTCCGGCCACCGCCACGTTCTACGGTGGCGC
TGACGGCTCCGACACAATGGGTGGCGCGTGTGGGTACAGCGACCTGTACGAGCA
GGGCTACGGCATCAACAACGCAGCGCTGAGCACGGCGCTCTTCAACGACGGCGC
GTCGTGCGGGCAGTGCTACGTCATCATCTGCGACAGCAGCAAGACCCGGTGGTGC
AAGCCCGGCAACAACACTGGGTCGTCGTCCTCCGCTACCAACTTCTGCCCGCCAACT
GGGACCTCCCCGCCGTCGGAGACCTCCCCGCCGGCGGCTGGTGCGCCCGCCGCG
GCCCCACTTCGACATGTCCCAGCCCGCCTGGGAGAACATCGGCATCTACAGCGCC
GGCGTCATCAACGTCCTCTACCAGCGAGTCAAGTGCTGGAAGAGCGGCGGCGTG
CGCTTACCATGGCCGGCTTCAACGGCTTCTACATGGTGCTCGTCACCAACGTCG
CCGGCAGCGGCTCCATCCAGAGCATGGCGGTGAAGGGCAACAGCACGGATTGGA
TCCCCATGTACAGGAACTGGGGCGCCAACACTGGCACTGCCTCTCCGGCGGGCTCGT
CGGACAGGGCCTCAGCTTCGCGCTCGTCTCCACCGGCGGCCAGAACCTCGTCTTC
AAGGACGTCGTGCCGGCGTGGTGGCAGTTCGGACAAACATACACCACCTACCAG
AATTCGACTACTAA

Nucleotide

>SbrEXPA-25

CTGCATGTCTACTGTCTCTACATATATATCTAGTAGCTGCAGCCAGCCGTTTCCGA
GCAAGATGGGGAAACGCTTCCTCCACCAGCTGCTCGCCGTCGTCCTTGCACTCTT
CTCTCGCCGGCGAGATCGGGCGACTGGCTTCCGGCCACCGCCACGTTCTACGGTG

GCGCTGACGGCTCCGACACAATGGGTGGGTAACCTACCTGCCTTTATCTTTTCGTTG
GGTGTTCAGAGTCAGACTTTGATCTGATCAAACGAGCACGCATACACATGCAGGT
GGCGCGTGTGGGTACAGCGACCTGTACGAGCAGGGCTACGGCATCAACAACGCA
GCGCTGAGCACGGCGCTCTTCAACGACGGCGCGTTCGTGCGGGCAGTGCTACGTCA
TCATCTGCGACAGCAGCAAGACCCGGTGGTGCAAGCCCGGCAACAACCTGGGTCTG
TCGTCTCCGCTACCAACTTCTGCCCCGCCAACTGGGACCTCCCCGCGTCTGGAGA
CCTCCCCGCGGGCGGCTGGTGCGCCCCGCCGCGGCCCCACTTCGACATGTCCCAG
CCCGCCTGGGAGAACATCGGCATCTACAGCGCCGGCGTCATCAACGTCTCTACC
AGCGAGTCAAGTGCTGGAAGAGCGGCGGGCGTGCCTTACCATGGCCGGCTTCA
ACGGCTTCTACATGGTGCTCGTCACCAACGTCGCCGGCAGCGGCTCCATCCAGAG
CATGGCGGTGAAGGGCAACAGCACGGATTGGATCCCCATGTACAGGAACTGGGG
CGCCAACTGGCACTGCCTCTCCGGCGGGCTCGTCGGACAGGGCCTCAGCTTCGCG
CTCGTCTCCACCGGCGGCCAGAACCTCGTCTTCAAGGACGTCGTGCCGGCGTGGT
GGCAGTTCGGACAAACATACACCACCTACCAGAATTTGACTACTAAACTGCACT
GCTTCATAATTATATACAGTCCACAACAATATAAACTACACTGGTTTGTCTTC