

IDENTIFICATION

Species: *Sorghum bicolor* Rio

Locus: SbRio.07G178100

Gene Model: SbRio.07G178100.1.p

Description: SbrEXPA-28

Family: Alpha Expansin

3D structure:



GENOME DATABASES

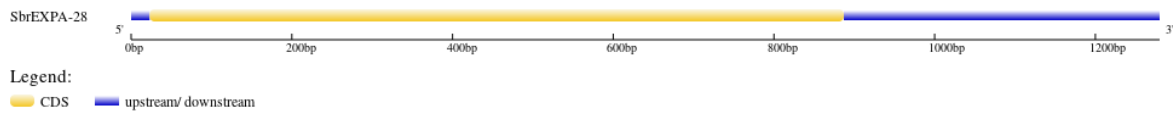
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

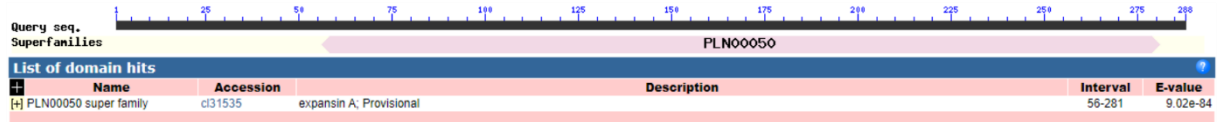
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-28

MSGSWMAPRLLVSSLLVAVLAVAAADVANAGGAKPLTPGGRVVHHNHGKFTAGE
WKRAHATFYGGRDGS GTTAGACGYKDTRSEGYGVQTVAVSSVLFNGAACGGCYE
VRCVDSPDGCKPPGAAAAAALVVTATNLCPPNEQQSADSGGW CNPPREHFDLSMP
AFLQIAEEKAGIVPVSYRRVACARQGGIRYAIAGNKYFNMVTVTNVGGAGDVA AVS
VKGSKRVKWT ELKRNWGVVWQTGEDLTCE SLTFRVMTGDHRKATSWHVL PEDWK
FGVTYQASKNF*

CDS (coding sequence)

>SbrEXPA-28

ATGTCTGGTTCGTGGATGGCGCCACCGCGTCTCCTGGTGTCGTCGCTGCTGGTCCG
CGTGCTCGCGGTGGCGGCCGCCGATGTCGCCAATGCCGGCGGCCCAAGCCCCTG
ACGCCCGGCGGGCGCGTGGTGCACCACAACCACGGCAAGTTCACCGCCGGCGAG
TGGAAGCGCGCCACGCGACCTTCTACGGCGGCCGGGACGGGTCCGGCACCACG
GCGGGCGCGTGCGGGTACAAGGACACGCGGTCCGAGGGCTACGGCGTGCAGACG
GTGGCCGTGAGCTCGGTGCTGTTCCGGCAATGGCGCGGCCTGCGGCGGTTGCTACG
AGGTGCGGTGCGTGGACAGCCCCGACGGGTGCAAGCCGCCCGGCGCGGCGGCGG
CGGCGGCGGCGCTGGTGGTGACGGCGACGAACCTGTGCCCGCCCAACGAGCAGC
AGTCGGCGGACAGCGGCGGGTGGTGCAACCCGCCGCGGGAGCACTTCGACCTGT
CCATGCCGGCGTTCCTCCAGATCGCGGAGGAGAAGGCCGGCATCGTGCCCGTCTC
CTACCGGCGGGTGGCGTGCGCGAGGCAGGGCGGCATCCGGTACGCCATCGCCGG
GAACAAGTACTTCAACATGGTGACGGTCACCAACGTGGGCGGGCGCCGGCGACGT
GGCGGCGGTGTCGGTGAAGGGGAGCAAGCGCGTCAAGTGGACGGAGCTGAAGCG
CAACTGGGGGGTAGTGTGGCAGACCGGGGAGGACCTCACCTGCGAGTCGCTGAC
GTTCAAGGTGATGACCGGCGACCACCGCAAGGCCACGTGCGTGGCACGTCCTCCCC
GAGGACTGGAAGTTCGGCGTACGTACCAGGCGTCCAAGA ACTTCTAA

Nucleotide

>SbrEXPA-28

TAACAATAATAATAATTA AAAAAAATGTCTGGTTCGTGGATGGCGCCACCGCGTCT
CCTGGTGTGTCGCTGCTGGTCGCCGTGCTCGCGGTGGCGGCCGCCGATGTCGCC
AATGCCGGCGGCCAAGCCCCTGACGCCCGGCGGGCGCGTGGTGCACCACAAC

CACGGCAAGTTCACCGCCGGCGAGTGGAAGCGCGCCCACGCGACCTTCTACGGC
GGCCGGGACGGGTCCGGCACCACGGCGGGCGCGTGCGGGTACAAGGACACGCGG
TCCGAGGGCTACGGCGTGCAGACGGTGGCCGTGAGCTCGGTGCTGTTCCGGCAATG
GCGCGGCCTGCGGGCGGTTGCTACGAGGTGCGGTGCGTGGACAGCCCCGACGGGT
GCAAGCCGCCCGGGCGCGGGCGGGCGGGCGGGCGCTGGTGGTGACGGCGACGA
ACCTGTGCCCCGCCAACGAGCAGCAGTCGGCGGACAGCGGCGGGTGGTGCAACC
CGCCGCGGGAGCACTTCGACCTGTCCATGCCGGCGTTCCTCCAGATCGCGGAGGA
GAAGGCCGGCATCGTGCCCGTCTCCTACCGGCGGGTGGCGTGC GCGAGGCAGGG
CGGCATCCGGTACGCCATCGCCGGGAACAAGTACTTCAACATGGTGACGGTCACC
AACGTGGGCGGGCGCCGGCGACGTGGCGGGCGGTGTCGGTGAAGGGGAGCAAGCGC
GTCAAGTGGACGGAGCTGAAGCGCAACTGGGGGGTAGTGTGGCAGACCGGGGAG
GACCTCACCTGCGAGTCGCTGACGTTCAAGGGTGATGACCGGCGACCACCGCAAG
GCCACGTCGTGGCACGTCCTCCCCGAGGACTGGAAGTTCGGCGTACGTACCAGG
CGTCCAAGAACTTCTAATGAGTAGCCATCACTCTCCGGGCCCTTCTTCAACCTG
ACAACCGCCTGCATCGCGAGCAGCCATGCAATGCATGCATATATATTTGATTCTT
TCGCTGATCGATCATGCCCTCAGATACACGGTGCCGGAGTTAAATTTTTTTTGTG
GAAATCAATGTGCAAATTCAAATGAGAATGATCATTTTAACCAGTTGTGATCAAT
CTGAACTGCTAATGCATGCACACACCTAAGCTACTACCTCTACTATTTAGGCCCTG
TTTTGCACGGCTCTTAGCTTTGAGCAGCTCCAAACTCTAGTGCGTTGATACAAA
ACATTCCATACTTACTACTAGATATATACATAATTACATATAGATACAACATTAGT
TTATAAAAGTGAAACGATAA