

IDENTIFICATION

Species: *Sorghum bicolor* Rio

Locus: SbRio.06G034800

Gene Model: SbRio.06G034800.1.p

Description: SbrEXPA-22

Family: Alpha Expansin

3D structure:



GENOME DATABASES

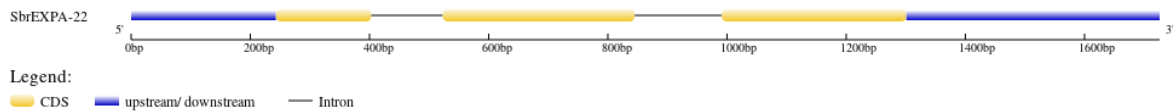
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

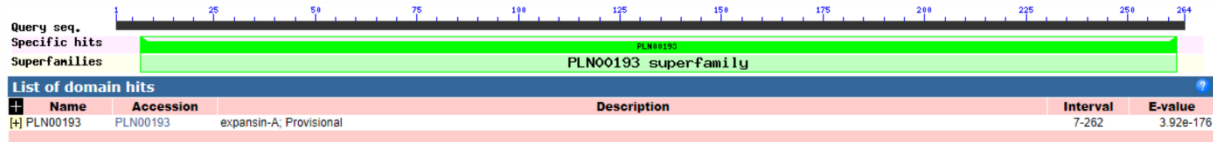
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-22

MKATTGSSSVARVLVLLATTACLLWKEAACFSASGMNKAFAATFYGGSDASGTMGG
ACGYGNLYSTGYGTNTAALSTALFNDGASCGQCYRISCDYQADPRFCIRGTSVTITAT
NLCPPNYALPNDDGGWCNPPRQHFDMAEPAWLKIGIYRGGIVPVNYQRVPCVKQGG
VRFTINGRDYFELVLISNVGGCGSIQSASIKSRTGWMAMSRNWGVNWQSNAYLDG
QSLSFQVTSSDGQTKTFLNVAPAGWGFGQTFATSQQFS*

CDS (coding sequence)

>SbrEXPA-22

ATGAAGGCAACAACCTGGGTCATCATCAGTAGCTCGCGTTCCTGTTTTGCTTGCGA
CGACGGCATGCCTCCTGTGGAAGAAGCCGCGTGCTTCTCGGCGTCCGGCATGAA
CAAGGCGTTCGCCACTTTCTACGGCGGTAGCGACGCTTCAGGAACGATGGGTGGA
GCTTGTGGGTATGGGAACCTGTACTCGACGGGGTACGGCACGAACACGGCGGCG
CTGAGCACGGCGCTGTTCAACGACGGCGCCTCGTGCGGGCAGTGCTACCGGATCT
CGTGCGACTACCAGGCGGACCCGCGGTTCTGCATCCGCGGCACGTCGGTGACCAT
CACGGCCACCAACCTTTGCCCTCCCAACTACGCGCTGCCCAACGACGACGGCGGC
TGGTGCAACCCGCCCCGGCAGCACTTCGACATGGCCGAGCCTGCTTGCTCAAGA
TCGGCATCTACCGCGGCGGCATTGTTCCCGTCAACTACCAAAGGGTGCCATGTGT
GAAGCAAGGAGGGGTGAGGTTCAACATCAACGGGCGCGACTACTTCGAGCTGGT
GCTCATCTCCAACGTCGGCGGCTGCGGCTCCATCCAGTCGGCGTCGATCAAAGGA
TCGAGGACCGGGTGGATGGCCATGTTCGAGGAAGTGGGGAGTCAACTGGCAGTCT
AACGCGTACCTCGACGGGCAGAGCCTGTCGTTCCAGGTCACCAGCAGCGACGGC
CAGACCAAGACCTTCCTCAACGTCGCGCCCCGCGGCTGGGGGTTCGGCCAAACGT
TCGCGACCTCGCAGCAGTTCTCTTAG

Nucleotide

>SbrEXPA-22

CACGGCCTCTGCCGGCCGCGCGCGGCGCGATGGATCGATGGTGACGATCACCGC
GTGCATGGCCTGTGTCTGATCCAGTCCAGAACGGACGATTGGCACCGTCGTCCGG
GCGATCGATCACCACTCGATCGATTCTAGCTATTTAAACGACGTAGCCCTGCT
CAGACGTTTGCCATTAGTGCTGTGCTGGTGGTTCATCTCCTAGCTCTCGCTACTA

GCTTATTGCTGACAGTAACAACAATGAAGGCAACAACACTGGGTCATCATCAGTAGC
TCGCGTTCTTGTGTTTTGCTTGGCAGCAGCGGCATGCCTCCTGTGGAAAGAAGCCGCG
TGCTTCTCGGCGTCCGGCATGAACAAGGCGTTCGCCACTTTCTACGGCGGTAGCG
ACGCTTCAGGAACGATGGGTAAGTATGTAAGTAAGAAGATCGATCGATGATCGA
GACGGCAATAACATATACAGTCCAAAACACTAGCTATAATAGCTGATGCATACAAAT
CCATGCATGCATCGATACTGTGTGTGCAGGTGGAGCTTGTGGGTATGGGAACCTG
TACTCGACGGGGTACGGCACGAACACGGCGGGCGCTGAGCACGGCGCTGTTCAAC
GACGGCGCCTCGTGCGGGCAGTGCTACCGGATCTCGTGCGACTACCAGGCGGACC
CGCGGTTCTGCATCCGCGGCACGTCCGGTGACCATCACGGCCACCAACCTTTGCC
TCCCAACTACGCGCTGCCAACGACGACGGCGGCTGGTGCAACCCGCCCGGCA
GCACTTCGACATGGCCGAGCCTGCTTGGCTCAAGATCGGCATCTACCGCGGGCGGC
ATTGTTCCCGTCAACTACCAAAGGTTTCATATATTTGATATATATATATATTTCCAG
TAAAAAAGCTGCATGCATGATCTGAATTCTGAATGTATGTACGTTGTTGAT
CCAATTAATTCAATTAACCTGCTACTATTACTACTGTTTGTGAATATATGAAC
AGGGTGCCATGTGTGAAGCAAGGAGGGGTGAGGTTCCACCATCAACGGGCGCGAC
TACTTCGAGCTGGTGCTCATCTCCAACGTCCGGCGGCTGCGGCTCCATCCAGTCGG
CGTCGATCAAAGGATCGAGGACCGGGTGGATGGCCATGTCGAGGAACTGGGGAG
TCAACTGGCAGTCTAACGCGTACCTCGACGGGCAGAGCCTGTCGTTCCAGGTCAC
CAGCAGCGACGGCCAGACCAAGACCTTCCTCAACGTCGCGCCCCGCCGGCTGGGG
GTTCCGGCCAAACGTTCCGCGACCTCGCAGCAGTTCTCTTAGTTATTTATTAGTGGAC
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CGGTCAAGGAGATATATATGTGCTTTGACTTATGCTTTCTTCCCCTAGATTCATCT
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ATTTTTCTGGATTTATTCTAAGATTTAACGGCGCTATGCTTTTAGAGGCAGACGAC
GTCCTCATCAACAACGAGACGCCTGTGATGACTTCGTGAATCTCATGATGTGACG
GCTCAGTCCTTTGAAAGTA