IDENTIFICATION

Species: *Sorghum bicolor Rio*

Locus: SbRio.04G254200

Gene Model: SbRio.04G254200.1.p

Description: SbrEXPA-21

Family: Alpha Expansin

3D structure:

GENOME DATABASES

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

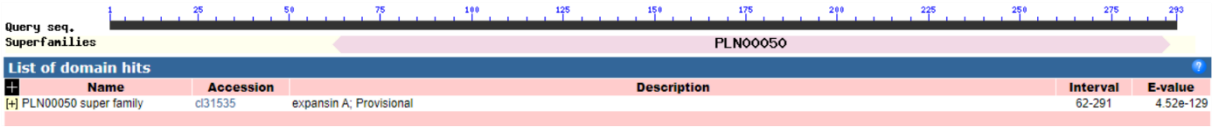
KEGG:-

EXTERNAL RESOURCES

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

GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-21

MAPRQAVLAAVVLAALFPLALSRGLGLVHGHVRPHAHGLGLGHHHPRPHPQQQPH
GHAPLGGGAWSSAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTALFNS
GLSCGACFEVRCDAAGGGSHSCLPGSVVVTATNFCPPNNALPSDDGGWCNPPRAHF
DMSQPVFQRIALYRAGIVPVSYRRVACNKKGGIRFTINGHSYFNLVLVTNVGGAGDV
HAVAVKGERSAGWQALSRNWGQNWQSNTLLDGQALSFRVTTSDGRSVVSNNAAPR
GWAFGQTFSGAQFN*

CDS (coding sequence)

>SbrEXPA-21

ATGGCGCCTCGCCAAGCCGTCCTGGCGGCCGTGGTCCTCGCCGCGCTGTTCCCGC
TCGCCCTCTCTCGCGGGCTGGGCCTGGTGCACGGGCATGTGCGGCCGCACGCGCA
CGGGCTGGGGCTTGGCCACCACCACCCCAGGCCGCACCCCCAGCAGCAGCCGCA
CGGCCACGCACCGCTCGGAGGTGGCGCGTGGTCCTCGGCTCACGCCACCTTCTAC
GGCGGCGGCGACGCGTCCGGCACCATGGGCGGGGCGTGTGGGTACGGCAACCTC
TACAGCCAGGGGTACGGCACCAACACGGCGGCGCTGAGCACGGCGCTCTTCAAC
AGCGGCCTCAGCTGCGGCGCCTGCTTCGAGGTGCGCTGCGACGCGGCGGGCGGC
GGGAGCCACTCGTGCCTGCCGGGCTCCGTCGTGGTGACGGCCACCAACTTCTGCC
CTCCCAACAACGCGCTCCCCTCCGACGACGGCGGCTGGTGCAACCCGCCCCGCGC
CCACTTCGACATGTCGCAGCCCGTGTTCCAGCGCATCGCGCTCTACAGGGCCGGC
ATTGTCCCCGTCTCCTACCGCAGGGTCGCGTGCAACAAGAAGGGCGGCATCCGGT
TCACAATCAACGGCCATTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGGCGG
CGCCGGCGACGTGCACGCGGTGGCCGTGAAGGGCGAGCGCTCCGCGGGGTGGCA
GGCGCTGTCGCGCAACTGGGGCCAGAACTGGCAGAGCAACACGCTCCTGGACGG
GCAAGCGCTCTCGTTCCGCGTCACCACCAGCGACGGCCGCTCCGTGGTCTCCAAC
AACGCCGCCCCCCGCGGCTGGGCCTTCGGCCAGACCTTCAGCGGCGCCCAGTTCA
ACTGA

Nucleotide

>SbrEXPA-21

CTAGCCGCCCCTGCGCTGCGCCGCACCGTGCGCCGCTCCGCACCTTCGTTCCCCCA
GCCGGCCCCGCCCAAACCCAATGGCGCCTCGCCAAGCCGTCCTGGCGGCCGTGGT

CCTCGCCGCGCTGTTCCCGCTCGCCCTCTCTCGCGGGCTGGGCCTGGTGCACGGG
CATGTGCGGCCGCACGCGCACGGGCTGGGGCTTGGCCACCACCACCCCAGGCCG
CACCCCCAGCAGCAGCCGCACGGCCACGCACCGCTCGGAGGTGGCGCGTGGTCC
TCGGCTCACGCCACCTTCTACGGCGGCGGCGACGCGTCCGGCACCATGGGTACGT
GAGCGAACCCCAATCTCGAACATTGCGCAGTACTACTTGTAGATTTCCGTCCCGT
GCTGAGATATTTGGGACTGAATTTTCACATCTGAATGCAGGCGGGGCGTGTGGGT
ACGGCAACCTCTACAGCCAGGGGTACGGCACCAACACGGCGGCGCTGAGCACGG
CGCTCTTCAACAGCGGCCTCAGCTGCGGCGCCTGCTTCGAGGTGCGCTGCGACGC
GGCGGGCGGCGGGAGCCACTCGTGCCTGCCGGGCTCCGTCGTGGTGACGGCCAC
CAACTTCTGCCCTCCCAACAACGCGCTCCCCTCCGACGACGGCGGCTGGTGCAAC
CCGCCCCGCGCCCACTTCGACATGTCGCAGCCCGTGTTCCAGCGCATCGCGCTCT
ACAGGGCCGGCATTGTCCCCGTCTCCTACCGCAGGTCCGTGGTGAAATCAACCCG
CTGGTTCTTGTTTGCAATTTCGATTTTTGGCATTTTCTTTGAACAAAAGAAGAAAG
GAAATCGAGCAGATCTGACGGAGTCGCGCTTGTTTCTTTCCAATCCTACGTTGGCT
GCTGCTGCAGGGTCGCGTGCAACAAGAAGGGCGGCATCCGGTTCACAATCAACG
GCCATTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGGCGGCGCCGGCGACGT
GCACGCGGTGGCCGTGAAGGGCGAGCGCTCCGCGGGGTGGCAGGCGCTGTCGCG
CAACTGGGGCCAGAACTGGCAGAGCAACACGCTCCTGGACGGGCAAGCGCTCTC
GTTCCGCGTCACCACCAGCGACGGCCGCTCCGTGGTCTCCAACAACGCCGCCCCC
CGCGGCTGGGCCTTCGGCCAGACCTTCAGCGGCGCCCAGTTCAACTGAACACCCG
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GGCTTGGAGATTAACGGAGGCAGGCCGCCTTGTATCACCCGCCAATTAAGCGTTT
TGGGCCTCATGGTGATGGCCTCTTTTGAGAAGAGATGTTTTGTGGTTTGTGGGTTA
TCAAGTGCGGTTGTAATGAACCTATATCAAGTTACTGTTATCCTTTTGAA