IDENTIFICATION

Species: *Sorghum bicolor Rio*

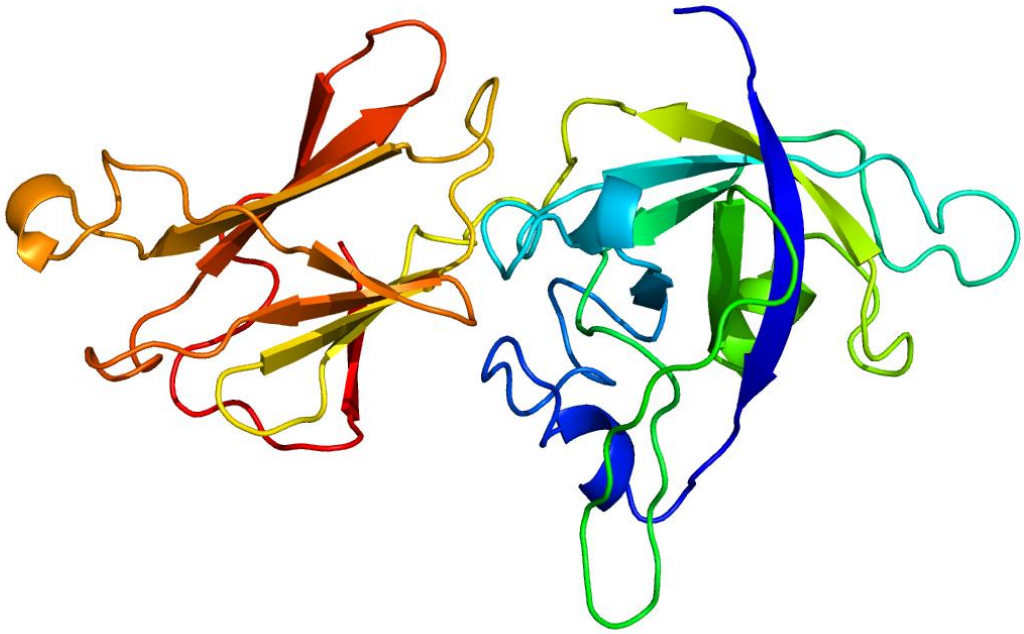
Locus: SbRio.01G380500

Gene Model: SbRio.01G380500.1.p

Description: SbrEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

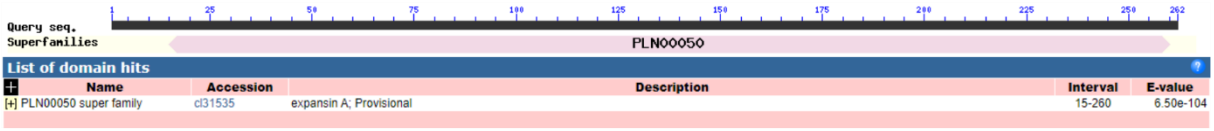
KEGG:-

EXTERNAL RESOURCES

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

GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-08

MASLAVLLLLALLSMTFSSSAQGYGVGRWINAHATFYGGADASGTMGGACGYGDL
YSQGYGTATTALSTALFSGGQTCGACFELRCAGGGDRGSCVPSSSVVVTATNLCPPN
YALPSDAGGWCNPPLRHFDLSQPAFLRIARYRAGVVPVAYRRVPCRRRGGIRFTVNG
HAYFNLVLVANVGGAGDVRALAVGAGGARRRRTRWLAMARNWGQNWQSAARLD
HGQPLSFRVTTSDRRSVVSYNAAPAGWAFGQTFTGAQFP*

CDS (coding sequence)

>SbrEXPA-08

ATGGCATCGCTCGCGGTGCTACTCTTGCTTGCCCTGCTCTCCATGACGTTCTCCTC
TTCAGCGCAAGGCTATGGCGTCGGCCGATGGATCAATGCGCACGCCACCTTCTAC
GGCGGCGCCGACGCTTCCGGCACCATGGGTGGCGCGTGCGGGTACGGCGACCTG
TACAGCCAGGGGTACGGCACGGCGACGACGGCGCTGAGCACGGCGCTGTTCAGC
GGCGGGCAGACCTGCGGCGCGTGCTTCGAGCTGCGGTGCGCCGGCGGCGGCGAC
CGCGGCTCGTGCGTGCCATCGTCATCCGTCGTGGTGACGGCCACCAACCTGTGCC
CGCCCAACTACGCGCTCCCGAGCGACGCCGGCGGGTGGTGCAACCCGCCGCTGC
GGCACTTCGACCTGTCGCAGCCGGCGTTCCTCCGCATCGCCCGTTACCGCGCGGG
CGTCGTGCCCGTCGCCTACCGCAGGGTGCCGTGCCGGAGGCGGGGCGGCATCCG
GTTCACCGTCAACGGCCACGCCTACTTCAACCTGGTTCTGGTCGCCAACGTGGGC
GGCGCCGGCGACGTGCGCGCGCTCGCCGTCGGGGCGGGCGGCGCCCGGCGGCGG
AGGACGCGGTGGCTGGCCATGGCGCGGAACTGGGGACAGAACTGGCAGAGCGCC
GCGCGCCTCGACCACGGCCAGCCGCTCTCCTTCAGGGTCACCACCAGCGACCGCC
GCTCCGTCGTGTCTTACAACGCCGCGCCCGCCGGGTGGGCCTTCGGCCAGACATT
CACCGGCGCCCAGTTCCCGTAG

Nucleotide

>SbrEXPA-08

ATGAATCAGTTACAGAACTGGATTAGTAGTATCGAGAGTAGCGTGCAGTGTCGGT
CACTATAGGTCCAAGCATCTGATCTGCATCTCTCTAGCTACTTAAACCCGCACAC
GCGTCGCTGCTCTTCTCTGCGCCCCCTGCATTGCATTGCATTGCATTGCATACTGA
CAGGAGATGGCATCGCTCGCGGTGCTACTCTTGCTTGCCCTGCTCTCCATGACGTT
CTCCTCTTCAGCGCAAGGCTATGGCGTCGGCCGATGGATCAATGCGCACGCCACC

TTCTACGGCGGCGCCGACGCTTCCGGCACCATGGGTACGTTACCATGATCGATTT
GTTGATCATCAGTTGCTGCTGCCTCCAACTCCAATACCTAAACTAATAATATACTT
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CCAGGGGTACGGCACGGCGACGACGGCGCTGAGCACGGCGCTGTTCAGCGGCGG
GCAGACCTGCGGCGCGTGCTTCGAGCTGCGGTGCGCCGGCGGCGGCGACCGCGG
CTCGTGCGTGCCATCGTCATCCGTCGTGGTGACGGCCACCAACCTGTGCCCGCCC
AACTACGCGCTCCCGAGCGACGCCGGCGGGTGGTGCAACCCGCCGCTGCGGCAC
TTCGACCTGTCGCAGCCGGCGTTCCTCCGCATCGCCCGTTACCGCGCGGGCGTCG
TGCCCGTCGCCTACCGCAGGGTGCCGTGCCGGAGGCGGGGCGGCATCCGGTTCAC
CGTCAACGGCCACGCCTACTTCAACCTGGTTCTGGTCGCCAACGTGGGCGGCGCC
GGCGACGTGCGCGCGCTCGCCGTCGGGGCGGGCGGCGCCCGGCGGCGGAGGACG
CGGTGGCTGGCCATGGCGCGGAACTGGGGACAGAACTGGCAGAGCGCCGCGCGC
CTCGACCACGGCCAGCCGCTCTCCTTCAGGGTCACCACCAGCGACCGCCGCTCCG
TCGTGTCTTACAACGCCGCGCCCGCCGGGTGGGCCTTCGGCCAGACATTCACCGG
CGCCCAGTTCCCGTAG