

IDENTIFICATION

Species: *Sorghum bicolor* Rio

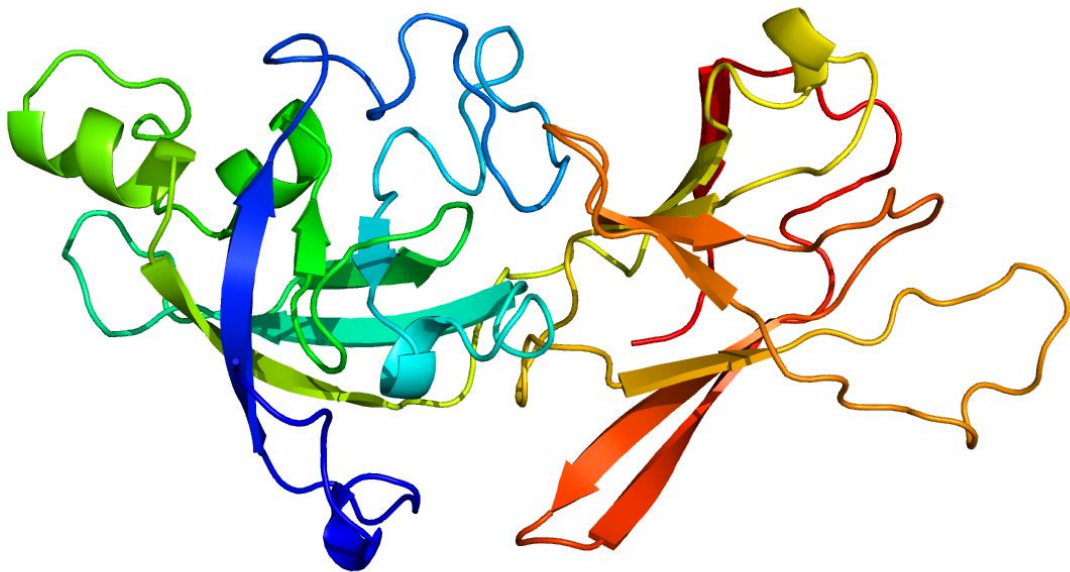
Locus: SbRio.10G348400

Gene Model: SbRio.10G348400.1.p

Description: SbrEXLA-04

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

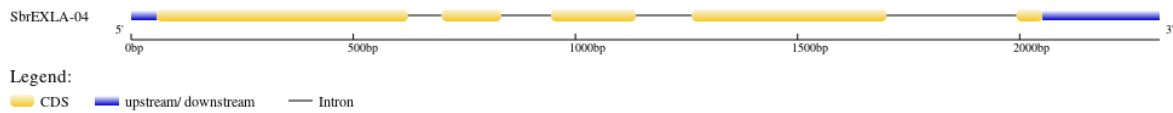
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

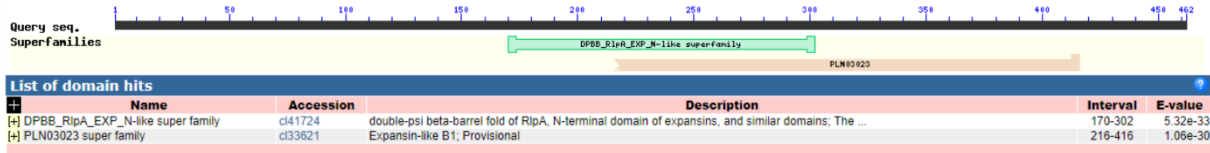
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXLA-04

MDATAILFILATHAQLLNCPSHQRRRVPRICPAFFSMHSTHAAPFILNFSRWLAYPCV
 DDLSSLHCCPHVALLCCSSPLAANSITVARCSPARPAAVSYSPPPRRRAEQATLPAGG
 SNSDPLRQSIMLLSVLLRLLATGGLIIFLLCPASCLAPRRRRPPPPPSINDDGNYYCD
 WCPRHSTASADLDALLRGNGGGACGYAAAELDRGAPHVAAAGADFFFRDAGCGA
 CYQLRCRDRRVCGDGGVKVVVAGAANRTGFLTREAFAMAAPGMSSDDQLLPG
 LGGNAVQVDFRIPCEYKNKNLSVRVEEWSRHPAHLAISFLYQGGQTDIAAVEIAH
 AAADAPAPAPSWRSMARVPRRGAVTWRTSRAPAGPLQLRLVVTAGVGGKWLRA
 GDVLPADWRPGQVHDTGLRVHDVALSTCARSLARRPPVVAGSQELRGTDNGHAC
 TQWTKKRSHV*

CDS (coding sequence)

>SbrEXPA-04

ATGGATGCGACAGCCATTTTGTTTATACTTGCAACCCATGCCCAATTGCTGAATTG
 CCCATCTCATCAACGACGACGTGTTCCCTCGAATTTGTCCGGCCTTTTTCTCCATGC
 ACTCGACTCATGCCGCGCCGTTTATTCTTAATTTCTCCCGTTGGCTGGCATATCCA
 TGCGTCGACGACCTCAGCTCGTTGCATTGTTGCCCCACGTTGCATTGCTTTGTTG
 CTCTAGCCCTCTAGCTGCTAACAGTATAACAGTAGCTCGCTGCTCGCCCGCCCGC
 CCGGCGGCCGTCTCTTATCCATCGCCGCCTCGCCGGCGAGCAGAGCAAGCTACTC
 TACCGGCCGGTGGCTCCAACTCCGATCCACTCCGCCAATCCATCATGCTGCTCAG
 CGTAGTGCTTCTTCGTCTCTTGGCCACCGGCGGCCTCATCATCTTCCTGTTGTGTC
 CCGGTCCTGCCTTGCTCCTCGTCGTGTCGTCTCCTCCCCCTCCTTCCATCAACG
 ACGACGGCAACTACTACTGCGACTGGTGCCCTCGCCACTCCACCGCCTCCGCCGA
 CCTCGACGCGTTGCTACGTGGTAACGGCGGGCGGTGCCTGCGGGTACGCGGCAGCA
 GAGCTGGACAGAGGAGCCCCCAGTCGCCGCGCGGGCGCCGACTTCTTCTTCC
 GCGACGGCGCCGGCTGCGGCGCCTGCTACCAGTTGAGGTGCAGAGACAGGAGGG
 TGTGCGGCGACGGCGGGCGTCAAGGTCGTGCTGGTGGCCGGCGCGGCCAACC
 CGGGGTTCTGCTCACAGGGAGGCCTTCGCTGCGATGGCCAAGCCGGGCATGTC
 GTCCGATGATCAACTGCTGCCCGGCTTGGGCGGCAATGCTGTTCAAGGTCGACTTC
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 GAATGGAGCAGGCACCCCGCGCACCTGGCCATCAGCTTCTGTACCAGGGCGGG

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TGGCGCACCTCGCGCGCGCCGGCGGGACCGTTGCAGCTCCGGCTCGTCGTACGG
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GCACCTGCGCCCGATCCTGCCTGGCGCGCCGGCCGCGGTGGTCGCCGGCAGCCA
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AAGCCATGTATGA

Nucleotide

>SbrEXLA-04

ACACCCGAGCCGAAAACCTTGGAACGCGTAATGCGGGCGGCGGAAAAGAGTTTGCA
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ATTGCCCATCTCATCAACGACGACGTGTTCCCTCGAATTTGTCCGGCCTTTTTCTCC
ATGCACTCGACTCATGCCGCGCCGTTTATTCTTAATTTCTCCCGTTGGCTGGCATA
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GTTGCTCTAGCCCTCTAGCTGCTAACAGTATAACAGTAGCTCGCTGCTCGCCCGCC
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CCTGTACATGTTTGATGATCACGTACGATCAATGCTGTGGACGACGATCTCGCCA
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CGTCGAGATCGCGCACGCAGCGGGACGCGCCGGCGCCGGCGCCGTCGTGGAG
GTCCATGGCGCGCGTGCCAGGGCGCGGCCGTGACGTGGCGCACCTCGCGCGC
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AAAAGCAAAACAACAAAGAACTGATCTCTCTGATGCTGCGTTTCCTGCTGACTAA
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AAA