

IDENTIFICATION

Species: *Sorghum bicolor* Rio

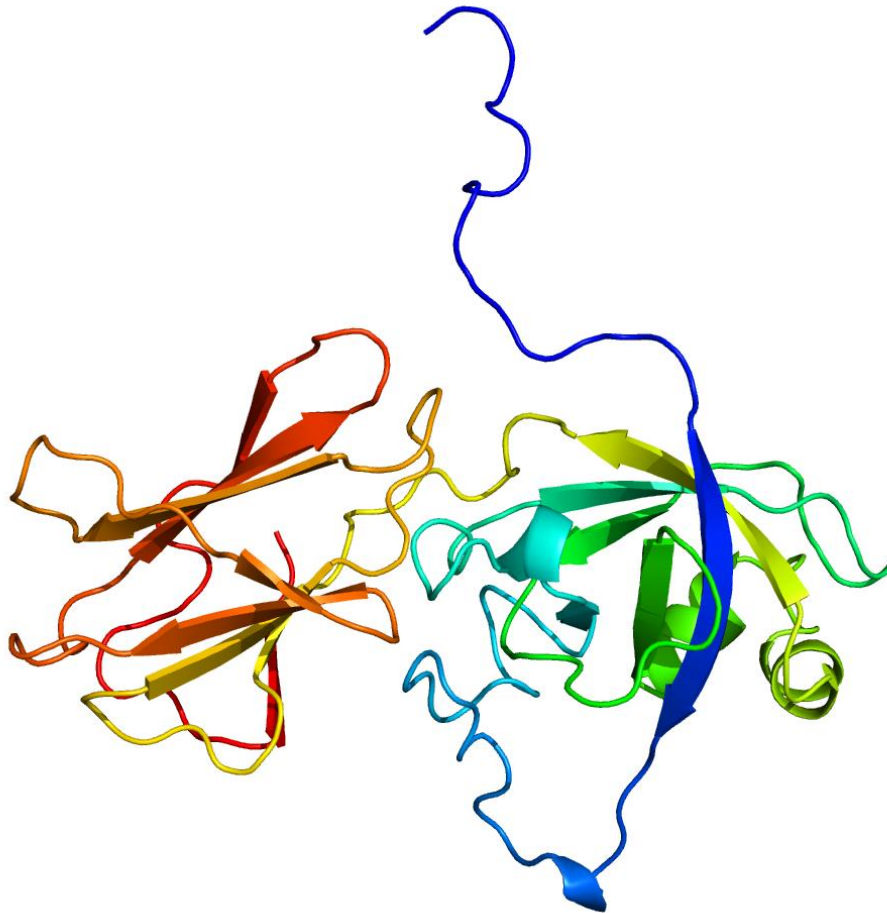
Locus: SbRio.01G576300

Gene Model: SbRio.01G576300.1.p

Description: SbrEXPB-17

Family: Beta Expansin

3D structure:



GENOME DATABASES

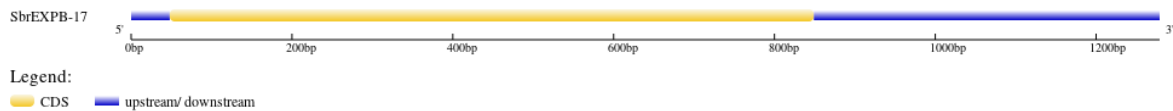
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

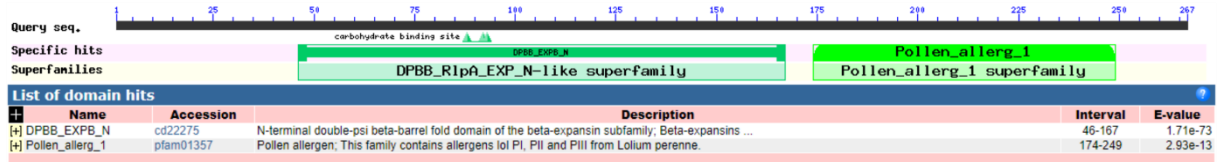
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-17

MGVNMMSWSMKVALVVALVFLVGGAWCGPPKVAPGKNITATYGSDWLEAKATW
YGKPTGAGPDDNNGGACGYKDVNKAPFNSMGACGNLPIFKDGLGCGSCFEIKCDKPA
ECSGEAVVVHITDMNYEQIAAYHFDLAGTAFGAMAKKGEEELRKAGIIDMQFRRV
KCKYGEKVTFHVEKGSNPNYLALLVKYVDGDGDVVGVDIKEKGGEAYQPLKHSWG
AIWRKDSDKPIKFPVTIQITTEGGTKTAYEDVIPEGWKADTTYTAK*

CDS (coding sequence)

>SbrEXPB-17

ATGGGAGTGAACATGATGTCCTGGTCGATGAAGGTGGCGTTGGTGGTGGCGTTGG
TGTTTCTGGTGGGTGGCGCATGGTGCGGTCCTCCAAGTTGCCCCAGGAAAGAA
CATCACGGCCACCTACGGCAGTGACTGGCTGGAAGCAAAGGCGACATGGTACGG
CAAGCCGACGGGCGCCGCCCCGACGACAACGGCGGTGCGTGCGGGTACAAGGA
TGTTAACAAGCCCCCTTCAACAGCATGGGCGCGTGCGGCAACCTCCCCATCTTC
AAGGACGGCCTCGGCTGCGGCTCATGCTTTGAGATCAAGTGCGACAAGCCGGCC
GAGTGCTCCGGTGAGGCCGTGGTGGTGCACATCACGGACATGAACTACGAGCAA
ATTGCCGCCTACCACTTCGACCTGGCCGGCACCCGATTTGGCGCCATGGCCAAGA
AGGGCGAGGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCC
GGGTCAAGTGCAAGTATGGCGAAAAGGTCACCTTCCACGTGGAGAAGGGGAGCA
ACCCAACTACCTGGCACTGCTGGTCAAGTATGTTCGATGGCGACGGCGACGTTGT
GGGGGTGGACATCAAGGAGAAGGGTGGCGAGGCGTACCAGCCCCTCAAGCACTC
CTGGGGCGCTATTTGGAGGAAGGACAGCGACAAGCCATCAAGTTTCCCGTCACT
ATCCAAATCACCCTGAGGGAGGCACCAAGACCCGCTACGAAGATGTCATCCCT
GAAGGTTGGAAGGCCGACACCACCTACACTGCCAAATAA

Nucleotide

>SbrEXPB-17

ATCGCATCACAGTTACATTACATACCATCCACCGATCGAAGGAAGAAGATGGGA
GTGAACATGATGTCCTGGTCGATGAAGGTGGCGTTGGTGGTGGCGTTGGTGTTC
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GGCCACCTACGGCAGTGACTGGCTGGAAGCAAAGGCGACATGGTACGGCAAGCC
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CAAGGCCCCCTTCAACAGCATGGGCGCGTGCGGCAACCTCCCCATCTTCAAGGAC
GGCCTCGGCTGCGGCTCATGCTTTGAGATCAAGTGCGACAAGCCGGCCGAGTGCT
CCGGTGAGGCCGTGGTGGTGCACATCACGGACATGAACTACGAGCAAATTGCCG
CCTACCACTTCGACCTGGCCGGCACC GCATTTGGCGCCATGGCCAAGAAGGGCGA
GGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGGGTCAA
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CTACCTGGCACTGCTGGTCAAGTATGTCGATGGCGACGGCGACGTTGTGGGGGTG
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GCTATTTGGAGGAAGGACAGCGACAAGCCCATCAAGTTTCCCGTCACTATCCAAA
TCACCACTGAGGGAGGCACCAAGACCGCCTACGAAGATGTCATCCCTGAAGGTT
GGAAGGCCGACACCACCTACACTGCCAAATAAGCTGTCCAACAGACCTACCGCT
GCTCTTGGATGGGTTGGATTGGATCCCAACTTCCAAGCAATGCATTACGCTTAT
GCATGCATTGATCTATCTATTTTTTTACTGTTGTTGCTGCGACGATGACGACGCCCT
CCTTCATCCTCTCCATACGTAGCTAGAGCAAGGTTTCCTTCATCCTCTCCATATAT
AGCTAGGACAAGGCTCCATCCGCTCTGTTATTATATTAATAAAAAAGAGAAGGACG
AAGAAACAAAGAGACCAGATACATAATATGTATCTAACGAGAGATTTGAGAGGC
TTTTGTATGTAATAAAAGGAGAGCGAGACAAATAACAATTGTCCATGGATCTCCT
ATGTAATCTCAATTTTATCATGCCTGCATTTTAAGTGAATACACTTTTTTTCAAGA
CTAATTGAAATTTATGATATGC