

IDENTIFICATION

Species: *Sorghum bicolor* Rio

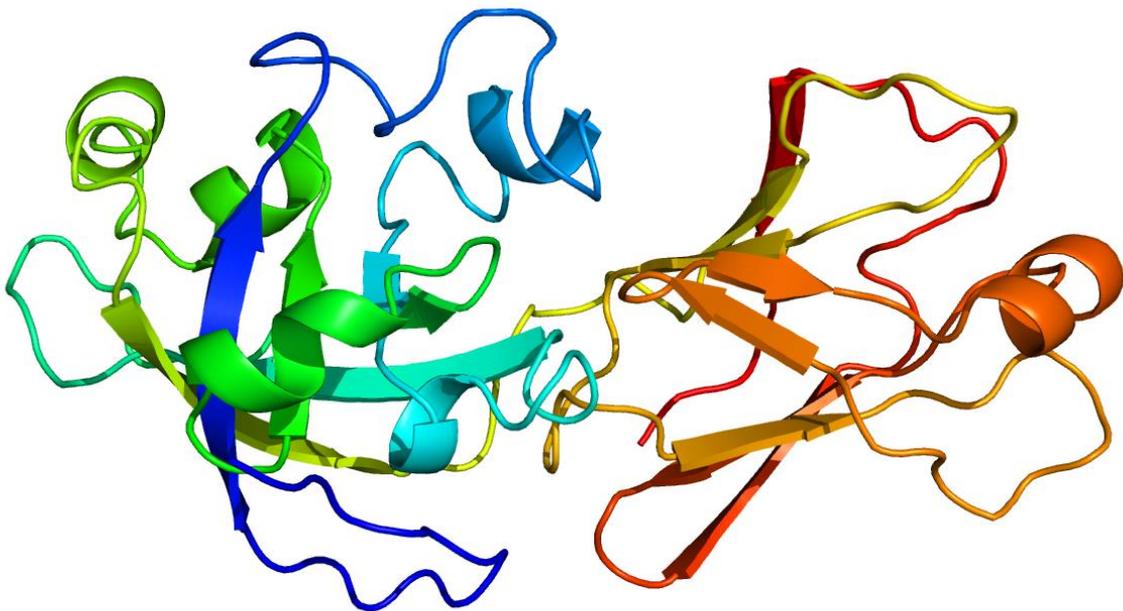
Locus: SbRio.04G313900

Gene Model: SbRio.04G313900.1.p

Description: SbrEXPB-30

Family: Beta Expansin

3D structure:



GENOME DATABASES

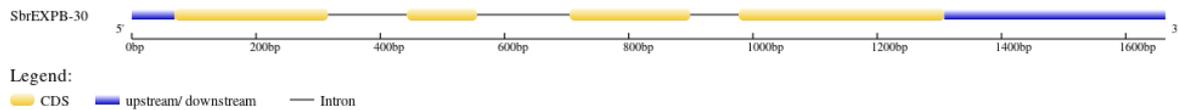
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

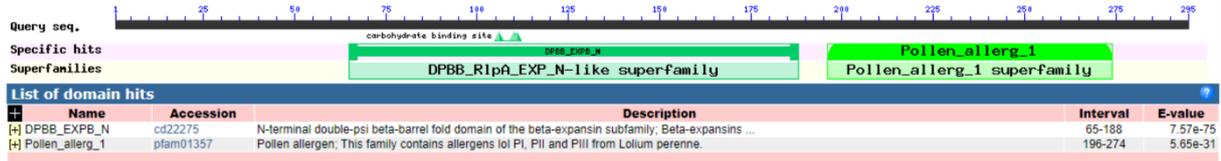
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-30

MAKSCTFLFVALVLLLLVSPIACSRKLAKP NKHRPRHKPAVRARSSSNHTATPSMS
 DAYGSGGWLSAGATYYGAPDGDGSDGGACGYQTAVGQRPFSSMIAAGSPSLFKGG
 KGCGACYEVKCDGNAACSGQPATVVITDECPGGVCLAEAAHFDMSGTSMGAMAKP
 GMADKLRAAGILKVQYKRVPC KYSGVNIAFRVDQGSNPFYLEVLVEFEDGDGDLA
 VDLMEAGCGTWTMPVQNWGALWRYNSNTGKALKAPFSLRLTSDSGKVLVANNVIP
 AGWNP GATYRSLVNS*

CDS (coding sequence)

>SbrEXPB-30

ATGGCGAAGTCCTGCACCTTCCTGTTTCGTCGCACTAGTCGTGCTCTTGCTTCTAGT
 GAGCCCCATTGCTTGCTCCCGCAAGCTCGCCAAGCCGAACAAGCACAGGCCGAG
 ACACAAGCCGGCAGTCAGGGCCCGCAGCAGCAACCACACTGCCACACCCTC
 GATGTCCGACGCCTACGGCTCCGGCGGCTGGTTGTCCGCCGGCGCGACGTACTAC
 GGCGCACCCGACGGCGACGGCAGTGACGGCGGCGCGTGC GGCTACCAGACCGCC
 GTCGGGCAACGCCCTTCTCGTCGATGATCGCCGCCGGTAGCCCGTTCGCTGTTCA
 AGGGAGGCAAGGGCTGTGGCGCTTGTACGAGGTTAAATGCGACGGCAACGCGG
 CATGCTCCGGCCAGCCGGCCACCGTGGTCATCACCGACGAGTGCCCCGGCGGTGT
 CTGCCTTGCCGAGGCGGCTCACTTCGACATGAGCGGCACCTCCATGGGCGCCATG
 GCGAAGCCCGGCATGGCCGACAAGCTTCGCGCCGCCGGTATCCTAAAGGTCCAGT
 ACAAGAGGGTGCCGTGCAAGTACAGCGGCGTGAACATCGCCTTCAGGGTGGACC
 AGGGCTCCAACCCATTCTACTTGGAGGTGCTGGTGGAGTTCGAGGACGGCGACGG
 CGACCTCAGCGCCGTGGACCTGATGGAGGCCGGTTGCGGCACCTGGACGCCGAT
 GGTGCAGAACTGGGGCGCGCTGTGGCGCTACAACTCCAACACCGGCAAGGCGCT
 CAAGGCGCCCTTCTCGCTCCGCCTCACCTCCGACTCCGGCAAGGTGCTCGTCCG
 AACAACGTCATCCCCGCCGGCTGGAACCCCGGCGCAACGTACCGCTCCCTGGTCA
 ACTACTCCTAA

Nucleotide

>SbrEXPB-30

CTGCAACTCACCAAAAACCCTCGAGCTAAGCTCATCTCTATCTCACAGACGTCTT
CCGAGCTACCAGCAATGGCGAAGTCCTGCACCTTCCTGTTTCGTCGCACTAGTCGT
GCTCTTGCTTCTAGTGAGCCCCATTGCTTGCTCCCGCAAGCTCGCCAAGCCGAAC
AAGCACAGGCCGAGACACAAGCCGGCAGTCAGGGCCCCGCAGCAGCAGCAACCAC
ACTGCCACACCCTCGATGTCCGACGCCTACGGCTCCGGCGGGCTGGTTGTCCGCCG
GCGCGACGTACTACGGCGCACCCGACGGCGACGGCAGTGACGGTTAGTTAGCCG
AGCCGTTGCTAATTTTATTGTCTGTTCGGTTAGCATGTACTACTAGCTAGAACTGTA
CTACTGTGCATTGCACGTTGCGTTGACATGCTATCGCCAAATTTAATTTGCATGGG
CAGGCCGGCGCGTGC GGCTACCAGACCGCCGTCGGGCAACGCCCTTCTCGTCGAT
GATCGCCGCCGGTAGCCCGTCGCTGTTCAAGGGAGGCAAGGGCTGTGGCGCTTGC
TACGAGGTCAGCATAACAAACATTTGCCGGGTGACCATGGTCATGGCCGTACGGC
CTGGCTCCTGTGCTGTAGCAGTGTACTAATGGTGCAGAGTGGTCCGGCGCGCGCAA
GCCGGTGCTAACTGAATGCGTTTCATGTTCGCGCGCGCGCAACGCAGGTTAAATGCG
ACGGCAACGCGGCATGCTCCGGCCAGCCGGCCACCGTGGTCATCACCGACGAGT
GCCCCGGCGGTGTCTGCCTTGCCGAGGCGGGTCACTTCGACATGAGCGGCACCTC
CATGGGCGCCATGGCGAAGCCCGGCATGGCCGACAAGCTTCGCGCCGCCGGTAT
CCTAAAGGTCCAGTACAAGAGGTAGGCACCGAGAAGTGCAGAGTCAGAGTAATG
CTGCATGAATCTTGGTCATAATTTCCCTTCGTTTAATTTGCCGCAGGGTGCCGTGCA
AGTACAGCGGCGTGAACATCGCCTTCAGGGTGGACCAGGGCTCCAACCCATTCTA
CTTGAGGTTGCTGGTGGAGTTCGAGGACGGCGACGGCGACCTCAGCGCCGTGGA
CCTGATGGAGGCCGGTTGCGGCACCTGGACGCCGATGGTGCAGAACTGGGGCGC
GCTGTGGCGCTACAACCTCAACACCGGCAAGGCGCTCAAGGCGCCCTTCTCGCTC
CGCCTCACCTCCGACTCCGGCAAGGTGCTCGTCGCCAACAACGTCATCCCCGCCG
GCTGGAACCCCGGCGCAACGTACCGCTCCCTGGTCAACTACTCCTAAATTACAGC
TGCAGCGTTGAGGTGTGTA CTTGCATTGCATCCGGGCTTTTTCGAGAGGCGGTGT
CAGAAGATGAGGAGGAGGTTGAAGAATGGAGTTCCTTCCCTCCCTCCACGGCCTCT
GCAGTCCCCCTAGTGATGTCTGAGCGTGTTCGATTTCTCTGTAATTTTGTTCCTTTT
TGTCGTCCCGGCCCTTGTGCAAGAGCCGCGACCAATCATCAATGTTGCATGCA
GATGTATAAGTTGTGTGAGTGTTCCTTTTGTACCACGCAATCCTTTGAGATAATTG
AAGTACTGCTATCTCATTGTCGTCATGAGTTATGAGTGCACACTATACTGACTTCT
GAAAACAGCAAAGT