

IDENTIFICATION

Species: *Sorghum bicolor*

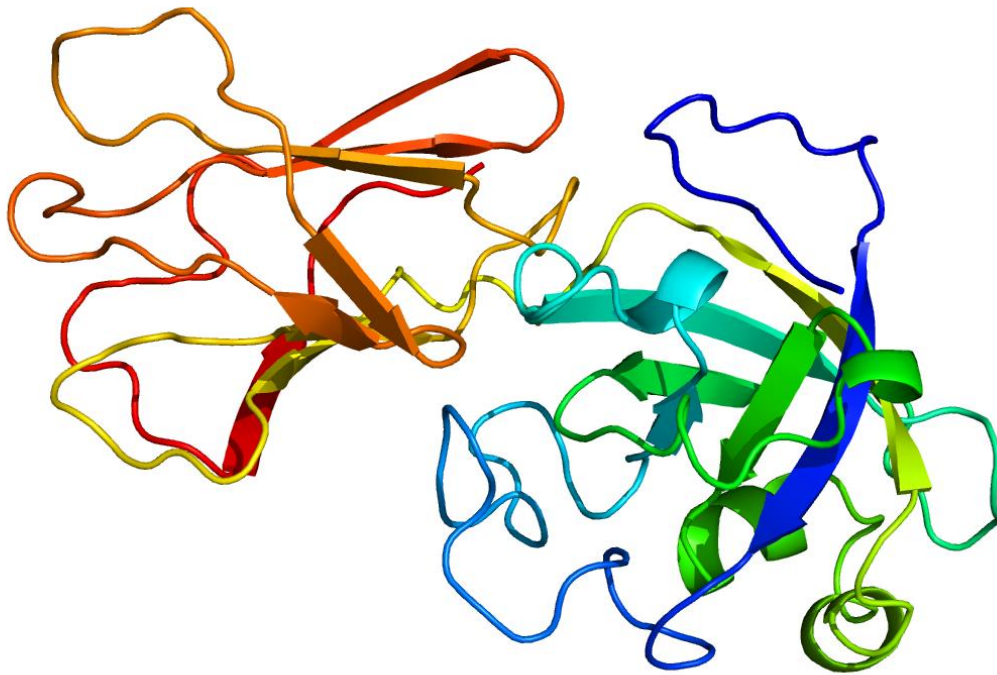
Locus: Sobic.004G191600

Gene Model: Sobic.004G191600.1.p

Description: SbEXPB-29

Family: Beta Expansin

3D structure:



GENOME DATABASES

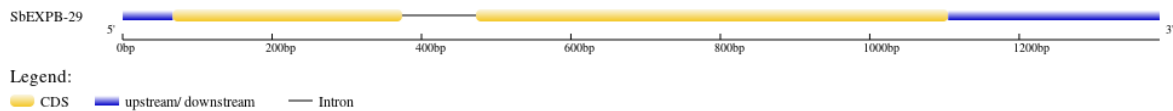
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

KEGG: <https://www.genome.jp/entry/T01086>

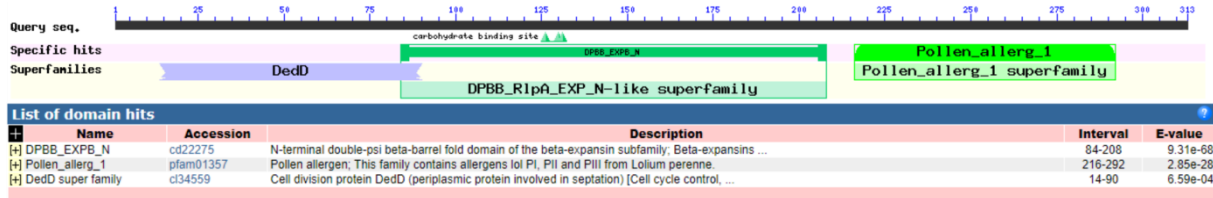
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-29

MAKLCTLLLA AVVVL SLLV SPIACNRKFSKPKPKPASHRRPVTA VKPKPKPVSYKPAP
VAAKPPRSNHTATPRPSPIVYGSGGWLSGAGATYYGATNGDGS DGGACGYQTA VGK
KPFDSMIAAGSTPLYKGGEGCGACYEVKCKTNAACSGQPVTIVITDQSPGDLFPGEVE
HFDMSGTAMGAMARPGMADKLRAGGVLRLILYRRVPCKYPGVNVAFKVDQGANPF
YFDVLIEFEDDDGDLKAVDLMEAGSSVWTPMAHNWGATWRLNNGRRLRAPFGLRL
TSDSGRVLVANNAIPAAWKPGKAYRSLVNYP*

CDS (coding sequence)

>SbEXPB-29

ATGGCGAAGCTTTGCACTTTGCTGTTGGCCGCAGTGGTGGTCCTGTCACCTCCTAGT
GAGCCCCATTGCCTGCAACCGAAAGTTCAGCAAGCCCAAGCCAAAGCCGGCCAG
CCACAGGCGGCCGGTGACTGCGGTCAAGCCAAAGCCAAAACCGGTGACTACAA
GCCGCGCCTGTGGCGGCCAAACCTCCCCGCAGCAACCACACTGCTACACCCAGG
CCATCGCCGATCGTCTACGGCTCCGGTGGCTGGCTGTCAGGCGCCGGCGCCACGT
ACTACGGCGCGACCAACGGCGACGGGAGCGACGGCGGGCGCGTGGCGGCTACCAGA
CTGCTGTGCGGAAGAAGCCGTTGACTCGATGATCGCCGCCGGGAGCACGCCACT
GTACAAGGGTGGCGAGGGCTGCGGCGCCTGCTACGAGGTGAAATGCAAGACCAA
CGCCGCGTGCTCCGGCCAGCCCGTGACCATCGTAATCACCGACCAGTCCCCTGGC
GATCTGTTCCCCGGCGAGGTTGAGCACTTTGACATGAGCGGCACCGCCATGGGCG
CCATGGCGCGGCCCGGCATGGCCGACAAGCTCCGCGCTGGCGGCGTGCTCAGGA
TCCTGTACAGGAGGGTGCCGTGCAAGTACCCCGGCGTGAACGTCGCGTTCAAGGT
GGACCAGGGCGCGAACCCGTTCTACTTCGACGTGCTGATCGAGTTCGAGGACGAC
GACGGCGACCTCAAGGCCGTCGACCTGATGGAGGCCGGCAGCAGCGTGTGGACA
CCATGGCGCACAACTGGGGCGCGACGTGGCGCCTCAACAACGGCAGGAGACTC
AGAGCGCCGTTCCGGGCTCCGGCTCACCTCCGACTCCGGCAGGGTGCTCGTCGCCA
ACAACGCCATCCCCGGCCGCGTGGAAGCCCGGCAAGGCCTACCGTTCCTTGGTCAA
CTACCCCTGA

Nucleotide

>SbEXPB-29

ACCGAAGAACAGTCGAGCTTACCAGCTCATCTGAAAGCTGTGAACTTCGAGCTTA
AAAACAGCAGCAATGGCGAAGCTTTGCACTTTGCTGTTGGCCGCAGTGGTGGTCC
TGTCACTCCTAGTGAGCCCCATTGCCTGCAACCGAAAGTTCAGCAAGCCCAAGCC
AAAGCCGGCCAGCCACAGGCGGCCGGTGACTGCGGTCAAGCCAAAGCCAAAACC
GGTCAGCTACAAGCCGGCGCCTGTGGCGGCCAAACCTCCCCGCAGCAACCACACT
GCTACACCCAGGCCATCGCCGATCGTCTACGGCTCCGGTGGCTGGCTGTCAGGCG
CCGGCGCCACGTACTACGGCGCGACCAACGGCGACGGGAGCGACGGTTAGTGTA
CAGCAGTTGCCTTGCCCTTACGCTTCTCCGAGTATATTTCTTTGCCATCGGTGTG
TTAGCGTGTGTACTGTGTTCTGTGTACCGTGCAGGCGGCCGCGTGCAGGCTACCAGA
CTGCTGTCGGGAAGAAGCCGTTGACTCGATGATCGCCGCCGGGAGCACGCCACT
GTACAAGGGTGGCGAGGGCTGCGGCGCCTGCTACGAGGTGAAATGCAAGACCAA
CGCCGCGTGCTCCGGCCAGCCCGTGACCATCGTAATCACCGACCAGTCCCCTGGC
GATCTGTTCCCCGGCGAGGTTGAGCACTTTGACATGAGCGGCACCGCCATGGGCG
CCATGGCGCGGCCCGGCATGGCCGACAAGCTCCGCGCTGGCGGCGTGCTCAGGA
TCCTGTACAGGAGGGTGCCGTGCAAGTACCCCGGCGTGAACGTCGCGTTCAAGGT
GGACCAGGGCGCGAACCCGTTCTACTTCGACGTGCTGATCGAGTTCGAGGACGAC
GACGGCGACCTCAAGGCCGTCGACCTGATGGAGGCCGGCAGCAGCGTGTGGACA
CCCATGGCGCACAACCTGGGGCGCGACGTGGCGCCTCAACAACGGCAGGAGACTC
AGAGCGCCGTTCCGGGCTCCGGCTCACCTCCGACTCCGGCAGGGTGCTCGTCGCCA
ACAACGCCATCCCGGCCGCGTGGAAGCCCGGCAAGGCCTACCGTTCCTTGGTCAA
CTACCCCTGAAAAGTGAATGGCGTGTAATGTGCGTCCGGGTGTTGCGAGAGGCGG
CGGCGGTGTAATGGTGTCAAGGAAGAGGAGGTTGAAGAAGAGAATGGCGTTCCTT
CCCTCCCTGGACGGTCTCTGCAGTCCCCAAGTGATGTGTGATGGCGTGAGTCAAA
TCATGCCTGTAATTTGATTCTTCATCTCGATTTGAATTTTGCTAATACTCCTGTA
CTTGAGGAAAGAGAGAAGCTTATTTGAGTTGTGACTAATGTTGCATGCCAATGCA
TGTTATGTGCTTTGATG