

## IDENTIFICATION

**Species:** *Sorghum bicolor*

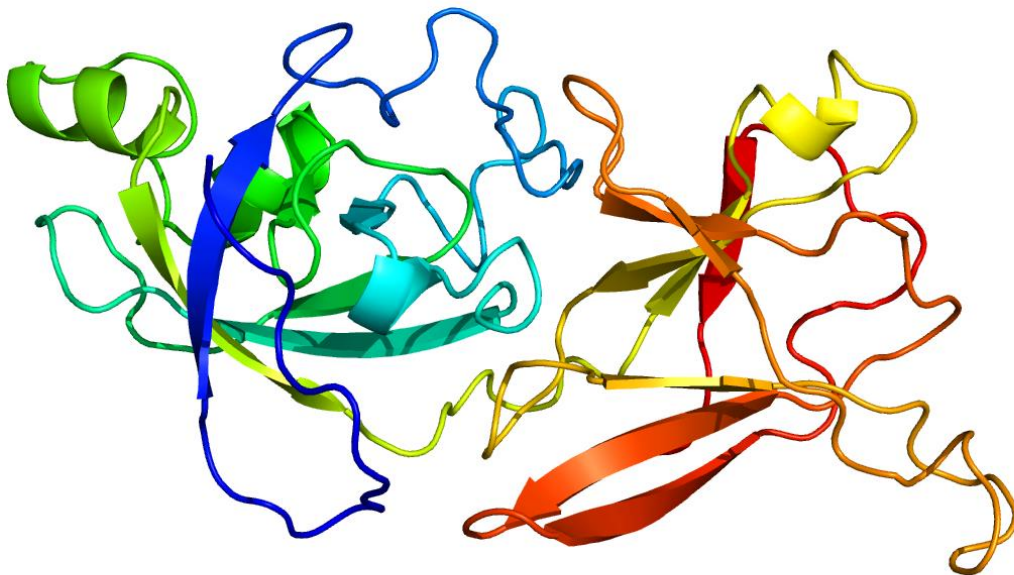
**Locus:** Sobic.010G271000

**Gene Model:** Sobic.010G271000.1.p

**Description:** SbEXLA-05

**Family:** Expansin Like Alpha

**3D structure:**



## GENOME DATABASES

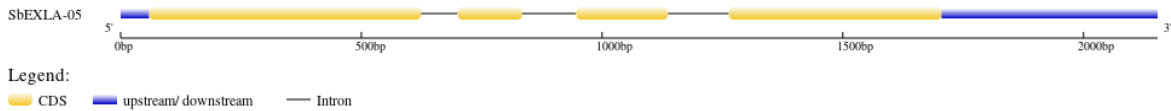
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sbicolor\\_v3\\_1\\_1](https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1)

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

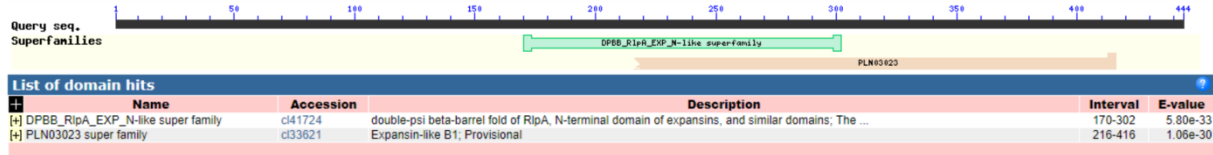
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXLA-05

MDATAILFILATHAQLLNCPSHQRRRVPRICPAFFSMHSTHAAPFILNFSRWLAYPCV  
 DDLSSLHCCPHVALLCCSSPLAANSITVARCSPARPAAVSYSPPPRRRAEQATLPAGG  
 SNSDPLRQSIMLLSVVLLRLLATGGLIIFLLCPASCLAPRRRRPPPPPSINDDGNYYCD  
 WCPRHSTASADLDALLRGNGGGACGYAAAEELDRGAPHVAAAGADFFFRDGAGCGA  
 CYQLRCRDRRVCGDGGVKVVVVAGAANRTGFLTREAFAMAAPGMSSDDQLLPG  
 LGGNAVQVDFRRIPCEYKNKNLSVRVEEWSRHPAHLAISFLYQGGQTDIAAVEIAH  
 AAADAPAPAPSWRSMARVPRRGAVTWRTSRAPAGPLQLRLVVTAGVGGKWLRA  
 GDVLPADWRPGQVHDTGLRVHDVALSTCARSCARRPPVVAGSQELR\*

### CDS (coding sequence)

>SbEXLA-05

ATGGATGCGACAGCCATTTTGTACTTGGCAACCCATGCCCAATTGCTGAATTG  
 CCCATCTCATCAACGACGACGTGTTCTCGAATTTGTCCGGCCTTTTTCTCCATGC  
 ACTCGACTCATGCCGCGCCGTTTATTCTTAATTTCTCCCGTTGGCTGGCATATCCA  
 TGCGTTCGACGACCTCAGCTCGTTGCATTGTTGCCCCACGTTGCATTGCTTTGTTG  
 CTCTAGCCCTCTAGCTGCTAACAGTATAACAGTAGCTCGCTGCTCGCCCGCCCGC  
 CCGGCGGCCGTCTCTTATCCATCGCCGCCTCGCCGGCGAGCAGAGCAAGCTACTC  
 TACCGGCCGGTGGCTCCAACCTCCGATCCAATCCGCAATCCATCATGCTGCTCAG  
 CGTAGTGCTTCTTCGTCTCTTGGCCACCGGCGGCCTCATCATCTTCCTGTTGTGTC  
 CCGCGTCTGCTTGTCTCTCGTCGTCGTCGTCCTCCTCCCCCTCCTTCCATCAACG  
 ACGACGGCAACTACTACTGCGACTGGTGCCCTCGCCACTCCACCGCCTCCGCCGA  
 CCTCGACGCGTTGCTACGTGGTAACGGCGGCGGTGCTGCGGGTACGCGGCAGCA  
 GAGCTGGACAGAGGAGCCCCACGTCGCCGCCGCGGGGCGCCGACTTCTTCTTCC  
 GCGACGGCGCCGGCTGCGGCGCCTGCTACCAGTTGAGGTGCAGAGACAGGAGGG  
 TGTGCGGCGACGGCGGCGTCAAGGTGCTCGTGGTGGCCGGCGCGGCCAACC  
 CGGA  
 CGGGGTTCTGCTCACCAGGGAGGCCTTCGCTGCGATGGCCAAGCCGGGCATGTC  
 GTCCGATGATCAACTGCTGCCCGGCTTGGGCGGCAATGCTGTTACGGTCGACTTC  
 CGAAGAATACCTGCGAGTACAAGAACAAGAACCTGTCGGTACGCGTCGAGGAG  
 GAATGGAGCAGGCACCCCGCGCACCTGGCCATCAGCTTCCTGTACCAGGGCGGG  
 CAGACGGACATCGCGGCCGTCGAGATCGCGCACGCAGCGGCGGACGCGCCGGCG  
 CCGGCGCCGTCGTGGAGGTCCATGGCGCGCGTGCCAGGCGCGGCGCCGTGACG  
 TGCGCACCTCGCGCGCGCCGGCGGGACCGTTGCAGCTCCGGCTCGTCGTCACGG

CCGGCGTCGGCGGCAAGTGGCTGCGGGCTGGCGGGGACGTGTTGCCGGCGGACT  
GGCGGCCTGGGCAGGTGCACGACACGGGGCTCCGGGTCCACGACGTCGCCCTGA  
GCACCTGCGCCCGATCCTGCCTGGCGCGCCGGCCGCCGGTGGTCGCCGGCAGCCA  
GGAGCTCAGGTAG

### Nucleotide

>SbEXLA-05

GACACCCGAGCCGAAAACCTTGAACGCGTAATGCGGGCGGCGGAAAAGAGTTTGC  
ACGCCATGGATGCGACAGCCATTTTGTATACTTGCAACCCATGCCCAATTGCTG  
AATTGCCCATCTCATCAACGACGACGTGTTCCCTCGAATTTGTCCGGCCTTTTTCTC  
CATGCACTCGACTCATGCCGCGCCGTTTATTCTTAATTTCTCCCGTTGGCTGGCAT  
ATCCATGCGTCGACGACCTCAGCTCGTTGCATTGTTGCCCCACGTTGCATTGCTT  
TGTTGCTCTAGCCCTCTAGCTGCTAACAGTATAACAGTAGCTCGCTGCTCGCCCGC  
CCGCCCGGCGGCCGTCTCTTATCCATCGCCGCTCGCCGGCGAGCAGAGCAAGCT  
ACTCTACCGGCCGGTGGCTCCAACCTCCGATCCACTCCGCCAATCCATCATGCTGCT  
CAGCGTAGTGCTTCTTCGTCTCTTGGCCACCGGCGGCCTCATCATCTTCCTGTTGT  
GTCCCGCGTCTGCCTTGCTCCTCGTCGTCGTCGTCCTCCTCCCCCTCCTCCATCA  
ACGACGACGGCAACTACTACTGCGACTGGTGCCCTCGCCACTCCACCGCCTCCGC  
CGACCTCGACGGTAAACAGGATACTACTTGTGGTGTACGTGTGGACAATCTCTCGT  
CGATCTCAAACCTCAACTCAACTGAATGTGCAGCGTTGCTACGTGGTAACGGCGGC  
GGTGCCTGCGGGTACGCGGCAGCAGAGCTGGACAGAGGAGCCCCCACGTCGCC  
GCCGCGGGCGCCGACTTCTTCTTCCGCGACGGCGCCGGCTGCGGGCGCCTGCTACC  
AGGTGGGTGTAGTGCATCAGGCGACTTGCAGCTGCTCTGCACTCTGCAGCAGTG  
CATATCTCTCCCGTGTAAATAACAGTATTGTGGTGGCATTCTGTCTGCTGCCTG  
CAGTTGAGGTGCAGAGACAGGAGGGTGTGCGGGCAGCGCGGCGTCAAGGTCGTC  
GTGGTGGCCGGCGCGGCCAACCGGACGGGGTTCCTGCTCACCAGGGAGGCCTTC  
GCTGCGATGGCCAAGCCGGGCATGTGCTCCGATGATCAACTGCTGCCCGGCTTGG  
GCGGCAATGCTGTTTCAGGTCGACTTCCGAAGGTGATGCATTAATTCTGGCTGCAG  
TACCTGTACATGTTTGATGATCACGTACGATCAATGCTGTGGACGACGATCTCGC  
CATTGATGTTGTTCCGAGCTAAAGATTCAACCTTTTGATCGATACAGAATACCCTG  
CGAGTACAAGAACAAGAACCTGTCGGTACGCGTCGAGGAGGAATGGAGCAGGCA  
CCCCGCGCACCTGGCCATCAGCTTCCCTGTACCAGGGCGGGCAGACGGACATCGCG  
GCCGTGAGATCGCGCACGACGCGGCGGACGCGCCGGCGCCGGCGCCGTCGTGG  
AGGTCCATGGCGCGCGTGCCAGGCGCGGCGCCGTGACGTGGCGCACCTCGCGC  
GCGCCGGCGGGACCGTTGCAGCTCCGGCTCGTCGTCACGGCCGGCGTCCGGCGGCA  
AGTGGCTGCGGGCTGGCGGGGACGTGTTGCCGGCGGACTGGCGGCCTGGGCAGG  
TGCACGACACGGGGCTCCGGGTCCACGACGTCCGCTGAGCACCTGCGCCCGATC  
CTGCCTGGCGCGCCGGCCCGGCTGGTCCGCGGACCCAGGAGCTCAGGTAGAG  
TAGATTATTTTAGATACGAGTAGACGATCAGGCAGAGGCAGGCAGAAAATGGCA  
TGCATTAACCTGCAGGAGAGCGAGATTAGCTTGTGCTTGTGTACATAATGATGA  
ATCTCCGTCGTACATGATAGATTCCGCCGCTTTTTTTATGAGCTGAATAATGATGA  
ATCGACGATGGAGTTCGTGCTCGATCGATTGTCGTCGTCGTCGTCGTCGTCGTCGTC  
TAAAAGCAAACAACAAGAAGACTGATCTCTGATGCTGCGTTTCCTGCTGACTA  
ATTGATGATCAGAGGGACCAACGACGGACATGCCTGCACGCAATGGACGAAAAA  
GCGAAGCCATGTATGATGAAGGTTGCAAAGATTTGGATTTGTATTGATGCGCAAG

ATTCGCAGTGACTTATCTGACAGAGTGACAGTTCGACGGAGCAGCTATATTATAG  
CAGCAAAA