

## IDENTIFICATION

**Species:** *Setaria italica*

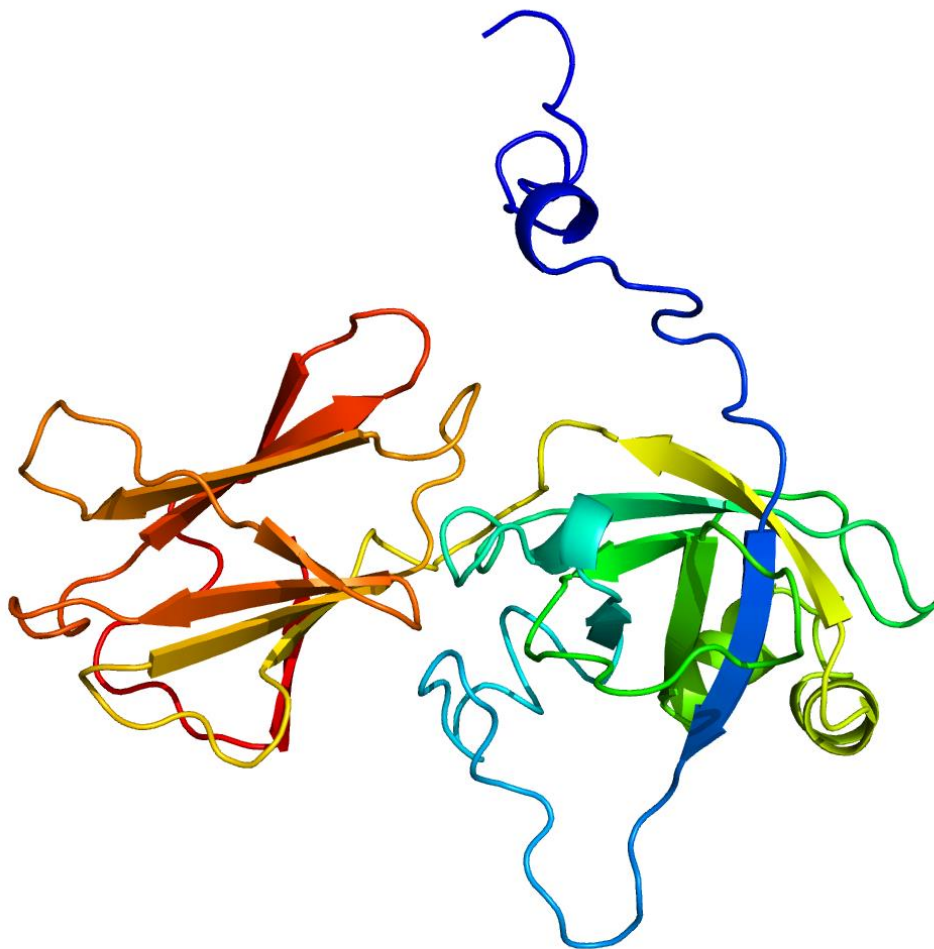
**Locus:** Seita.2G122700

**Gene Model:** Seita.2G122700.1.p

**Description:** SitEXPB-07

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

KEGG: <https://www.genome.jp/entry/gn:T02818>

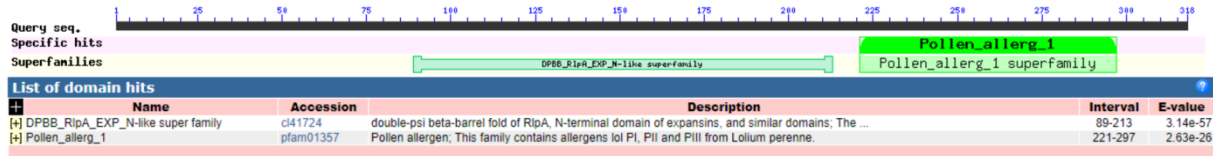
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPB-07

MAKLCTVLLAAVVLLSLVSPIDCTRKLSKAKPKTKAVSHRPAPVAKVTHKPAPAV  
 KVSQGHKPAPAAKPHRNYTAIPSSPSTVYGSQWLSGAGATYYGAPNGDGGEGGACG  
 YQTAVGKQPFSSMIAAGSTPLYRDGEGCGACYEVKCTTNAACSGQPVTIVITDRSPG  
 DLFPGEVAHFDMSGTAMGAMARPGMADKLRAGGVLRIQYRRVQCKYPGVNIAFKV  
 DQGANPFYFNVLVEFEDDDGDLNAVLDMEAGSGAWTSMAHNHWGAMWRLNNGKR  
 LNAFGLRLTSDSGRVLVNNNAIPAGWKPGV TYRSLVNYP\*

### CDS (coding sequence)

>SitEXPB-07

ATGGCCAAGCTTTGCACAGTGCTGTTGGCAGCTGTGGTCTTGCTCTCACTTGTAGT  
 GAGCCCCATTGATTGCACCCGCAAGCTCAGCAAGGCGAAGCCGAAGACGAAGGC  
 GGTCAGCCACAGGCCGGCGCCGGTAGCCAAGGTCACCCACAAGCCGGCGCCGGC  
 CGTCAAGGTCAGCGGCCACAAGCCGGCGCCCGCAGCCAAACCCACCGGA ACTA  
 CACCGCTATCCCCTCGTCGCCGTCCACCGTGTACGGTTCGGGCGGCTGGCTGTCCG  
 GCGCCGGCGCGACGTA CTACGGTGCCCCAACGGCGACGGCGGCGAAGGCGGCG  
 CGTGCGGGTACCAGACCGCGCTCGGGAAGCAGCCGTTCTCGTCGATGATCGCCGC  
 CGGGAGCACGCCGCTGTACAGGGACGGCGAGGGCTGCGGCGCCTGCTATGAGGT  
 GAAATGCACGACCAACGCGGCGTGTTCGGGCCAGCCGGTGACCATCGTGATCACC  
 GACAGGTCCCCGGCGACCTGTTCCCCGGCGAGGTCGCCC ACTTCGACATGAGCG  
 GCACGGCCATGGGCGCCATGGCGAGGCCCGGCATGGCCGACAAGCTCCGCGCCG  
 GCGGCGTGCTGAGGATCCAGTACAGGAGGGTGCAAGTACCCCGGCGTGA  
 ACATCGCCTTCAAGGTGGACCAGGGCGCCAACCCCTTCTACTTCAACGTGCTGGT  
 GGAGTTCGAGGACGACGACGGCGACCTCAACGCCGTCGACCTGATGGAGGCCGG  
 CAGCGGCGCCTGGACGTCATGGCGCAACTGGGGCGCCATGTGGCGGCTCAA  
 CAACGGAAAGAGGCTCAACGCGCCGTTCCGGGCTCCGGCTCACCTCCGACTCCGGC  
 AGGGTGCTCGTCGTAACAACGCCATCCCCGCGGGTGGAAGCCCGGGGTGACTT  
 ACCGGTCCTTGGTCAACTACCCCTAA

### Nucleotide

>SitEXPB-07

CTCACCCAAGAACAATCGAGCTAGCTAGCTGAACATTCCAAGTGGTAAGCTTGGGA  
AGAACGAGAAGCAGCAGCAGCAATGGCCAAGCTTTGCACAGTGCTGTTGGC  
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GCAAGGCCAAGCCGAAGACGAAGGCGGTACGCCACAGGCCGGCGCCGGTAGCC  
AAGGTCACCCACAAGCCGGCGCCGGCCGTCAAGGTCAGCGGCCACAAGCCGGCG  
CCCGCAGCCAAACCCACCGGAACTACACCGCTATCCCCTCGTCGCCGTCCACCG  
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CAACGGCGACGGCGGCGAAGGTTAGCGCCACGCGCTTGCTTGTGTCCATGCCTGT  
CATGTGACGCCGTAGTGTGTACCGTGCATTCCACGTACGGTTGTTATTGTGCCGA  
TGCACTGACCGATGTCGCTGACATTGTGAATATTGCAGGCCGGCGCGTGCGGGTAC  
CAGACCGCCGTCGGGAAGCAGCCGTTCTCGTGCATGATCGCCGCCGGGAGCACG  
CCGCTGTACAGGGACGGCGAGGGCTGCGGGCGCCTGCTATGAGGTCAGCATGCAT  
GCTCGTGTGGTGGTCACGCGGCCTACCACTGAACTGCCGTGCTATATCTCAATTAT  
TGCAGGGTTGTGCGCAGGTACTGACTGGATGGTAAAAACGTGCAGGTGAAATGC  
ACGACCAACGCGGGCGTGTTCGGCCAGCCGGTGACCATCGTGATCACCGACAGGT  
CCCCCGGCACCTGTTCCCCGGCGAGGTCGCCCACTTCGACATGAGCGGCACGGC  
CATGGGCGCCATGGCGAGGCCCGGCATGGCCGACAAGCTCCGCGCCGGCGGGCGT  
GCTGAGGATCCAGTACAGGAGGGTGCAGTGCAAGTACCCCGGCGTGAACATCGC  
CTTCAAGGTGGACCAGGGCGCCAACCCCTTCTACTTCAACGTGCTGGTGGAGTTC  
GAGGACGACGACGGCGACCTCAACGCCGTGACCTGATGGAGGCCGGCAGCGGC  
GCCTGGACGTCCATGGCGCACAACCTGGGGCGCCATGTGGCGGCTCAACAACGGA  
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TCGTCGTCAACAACGCCATCCCCGCGGGGTGGAAGCCCGGGGTGACTTACCGGTC  
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GTGTCTTTTGAATTTTGTACTTTCAGGATTCAGAGAAATGAATTACTGCCTTGGTA  
AGTTTC