

## IDENTIFICATION

**Species:** *Spirodela polyrhiza*

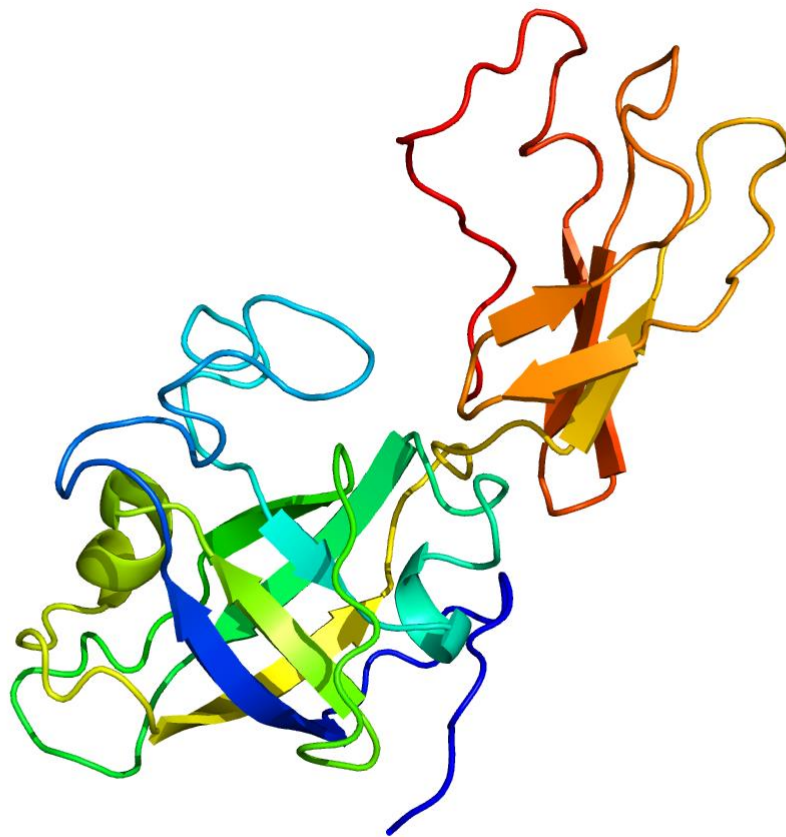
**Locus:** Spipo1G0052100

**Gene Model:** Spipo1G0052100

**Description:** SpEXPA-01

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

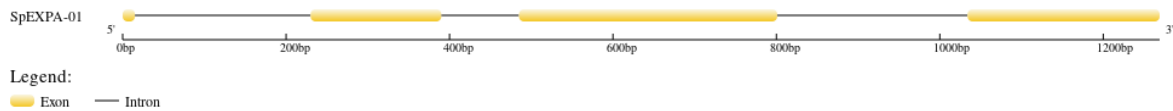
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Spolyrhiza\\_v2](https://phytozome-next.jgi.doe.gov/info/Spolyrhiza_v2)

KEGG:-

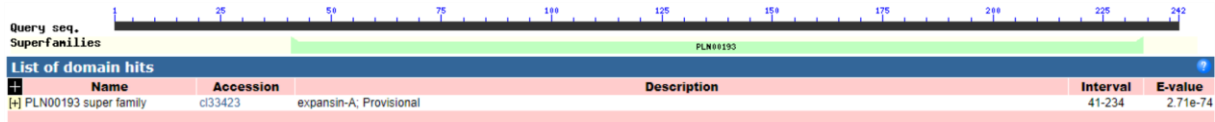
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SpEXPA-01

MRVMVLLQKHALLTVLHSLRLAAAHQTTSPYPQEVLG EWKPGRATYYSVSDPRD  
TVSGACGYGDLGRSGYGLGTLGLSEALFEKGQICGACFEVRCVEELRYCIPGTSIKLT  
VTNFCPPNYGLPVDAGGHCNPPNHHLVMPIEAFEKIAIWKAGNMPIQFRRNVAGAGD  
VTEVKVKGSRGTGWLQMARNWQGNWHINADLRGQPLSFVTTSDGATVTSYSVAPP  
DWSFGQTYLGKQFDA\*

### CDS (coding sequence)

>SpEXPA-01

ATGAGGGTGATGGTGGTCCTGTTGCAGAAACATGCCCTCCTGACGGTCCTGCATT  
CCCTCCTCCGGCTGGCGGGCGGCACACAGACGACGTCGCCCTACCCCAAGAGGT  
CCTGGGCGAGTGGAAGCCCGGGCGCGCTACCTACTACTCCGTCTCAGATCCTCGA  
GACACCGTCTCTGGGGCCTGCGGGTACGGCGATCTTGGGCGGAGCGGCTATGGAC  
TGGGGACATTGGGGCTGAGCGAGGCTCTGTTTCGAGAAGGGCCAGATCTGCGGGG  
CGTGCTTCGAGGTGAGGTGCGTCGAGGAGCTCCGCTACTGCATCCCGGGGACTTC  
CATCAAGCTGACGGTGACCAACTTCTGCCCCCAACTACGGCCTCCCTGTCGAC  
GCCGGGGGGCACTGCAACCCTCCAACCACCTGGTGATGCCCATCGAGGCT  
TCGAGAAGATCGCCATCTGGAAGGCCGCAACATGCCCATCCAGTTCGCCGCAA  
CGTCGCCGGCGCCGGCGACGTGACGGAGGTGAAGGTGAAGGGCTCGAGGACGGG  
GTGGCTGCAGATGGCCCGCAACTGGGGCCAGAACTGGCACATCAACGCGGACCT  
ACGGGGCCAGCCGCTGTCCTTCGAGGTCACCACCAGCGACGGCGCCACCGTCACC  
TCCTACAGCGTCGCGCCCCGGACTGGTCCTTCGGCCAGACCTACTTGGGCAAGC  
AGTTCGACGCATGA

### Nucleotide

>SpEXPA-01

ATGAGGGTGATGGTGGTAGCGGCTTCCTTTCCGACAACCCTCCTACGGACGGCCA  
GTCGCTTCTCACTCCTCCTCACGCCTCCTTCAGGGCTCTCCACCTTCGTACATG  
CCGGAAGTCCCAGTAAGGGCTGAGGAACCAGACTGGGAGGCACAAGGGAAGA  
CGGGAGATGCCAAGCCCAAGCCCCGTCGTCGCCACCGCAACGGCTACTTCGCCG  
GCGGCTCCAGGTCTGTTGCAGAAACATGCCCTCCTGACGGTCTTGCATTCCCTC  
CTCCGGCTGGCGGGCGGCACACAGACGACGTGCCCTACCCCAAGAGGTCTCTGG

GCGAGTGGAAGCCCGGGCGCGCTACCTACTACTCCGTCTCAGATCCTCGAGACAC  
CGTCTGTAAGTTGGACAGAGCTCAAATCCGTTTGAATCCCCCTTCTCTCTCGTCTC  
CGGCGATGGCGTTTTTAATGGATGGGGTGGGTTGGATCTCGCAGCTGGGGCCTGC  
GGGTACGGCGATCTTGGGCGGAGCGGCTATGGACTGGGGACATTGGGGCTGAGC  
GAGGCTCTGTTTCGAGAAGGGCCAGATCTGCGGGGCGTGCTTCGAGGTGAGGTGC  
GTCGAGGAGCTCCGCTACTGCATCCCGGGGACTTCCATCAAGCTGACGGTGACCA  
ACTTCTGCCCCCCTAACTACGGCCTCCCTGTCGACGCCGGGGGGCACTGCAACCC  
TCCCAACCACCACCTGGTGATGCCCATCGAGGCCTTCGAGAAGATCGCCATCTGG  
AAGGCCGGCAACATGCCCATCCAGTTCGCGCCGGTCAGTCATTCTCCTCTTTTTTC  
CCCTTTCTCTTTTGCTTTTCTCTCTCCGTTTCCCTCTTTCTCGCCATGGTCTGCCTCC  
GAATGGGCCATTTCTTTCGTTTCTCTCCCATCTGGTTGCTCATTTTCAGACCCTCCTC  
TTCTGAATGATGATCCAGGATCAGGTGTGTCCGGCAAGGGGGGGGATACGGTTCAC  
AGTCGACGGCTACGGTGTGTTTCACTCAGTGCTGATCAGCAACGTCGCCGGCGCC  
GGCGACGTGACGGAGGTGAAGGTGAAGGGCTCGAGGACGGGGTGGCTGCAGATG  
GCCCGCAACTGGGGCCAGAACTGGCACATCAACGCGGACCTACGGGGCCAGCCG  
CTGTCCTTCGAGGTCACCACCAGCGACGGCGCCACCGTCACCTCCTACAGCGTCG  
CGCCCCGGACTGGTCCTTCGGCCAGACCTACTTGGGCAAGCAGTTCGACGCATG

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