

## IDENTIFICATION

**Species:** *Selaginella moellendorffii*

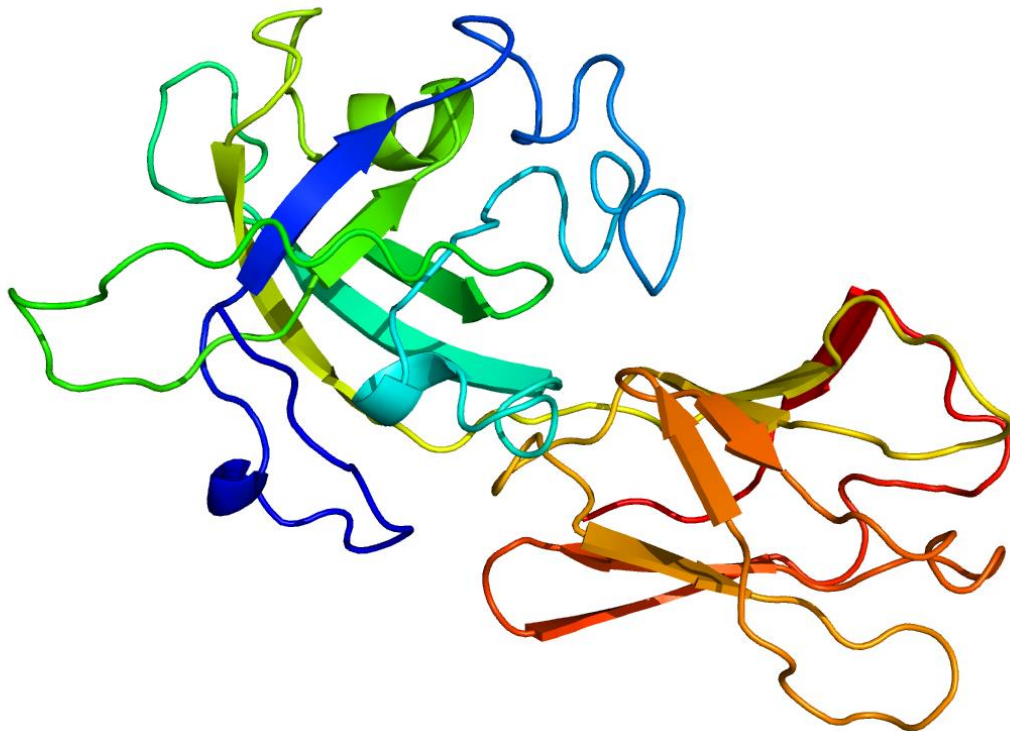
**Locus:** 90935

**Gene Model:** 90935

**Description:** SmEXPA-07

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Smoellendorffii\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0)

KEGG: <https://www.genome.jp/entry/T01496>

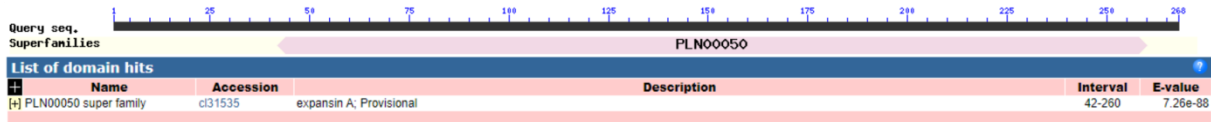
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SmEXPA-07

MDSKPLLALSIFFLVSTALLANADAKKPGGHHKYGRGGSQGSWQWGAHATYYGG  
SDASGTNNGACGYGNQLSAGYGTITTALSTPLFRGGNVCGACYQVRCWGDPACLPG  
NPSVVVTATNLCPPGSNGGWCDPPKPHFDLSQPAFSRIARIPNGHAQIQYRRVKCQRQ  
GGIRFTINGHTYFNLVLVTNVGGMGDVVGVSIKSSSGWRSMSRNWQONWEEGSNL  
NGQALSFRVTTSDGRTVTAYNVAPGDWQFGRTYTGNTASQYY\*

### CDS (coding sequence)

>SmEXPA-07

ATGGACTCCAAGCCGCTGCTCACTGCTCTCTCGATCTTCTTCCTGGTTTCTACAGC  
ACTCCTTGCAAATGCCGATGCCAAGAAGCCGGGTGGCCACCACAAATATGGCAG  
AGGCGGGAGCCAAGGATCATGGCAATGGGGAGCCCACGCGACTTACTACGGTGG  
GAGCGACGCATCTGGGACAAACAATGGAGCATGCGGCTATGGAAACCAGCTGAG  
CGCCGGCTATGGAACCATCACCCTGCTCTAAGCACCCCTCTCTTCCGCGGGGGC  
AATGTGTGTGGAGCGTGCTACCAAGTCCGGTGCTGGGGCGATCCAGCGTGCCTCC  
CGGGAAATCCCTCCGTCGTCGTCACCGCCACCAATCTCTGCCCGCCGGGGAGCAA  
TGGCGGCTGGTGTGATCCGCCAAGCCCCACTTTGATCTCTCGCAGCCGGCATTCT  
CTCGCATCGCCAGGATCCCCAACGGCCACGCCAGATCCAGTACCGAAGGGTCA  
AGTGCCAGCGGCAGGGAGGGATTCGCTTACGATCAATGGCCACACTTACTTCAA  
TCTGGTGCTCGTCACGAACGTGGGCGGCATGGGCGACGTCGTGGGCGTGTTCGATC  
AAGGGATCTAGCAGCGGCTGGCGATCCATGAGCCGGAAGTGGGGCCAGAAGTGG  
GAGGAGGGAAGCAATCTCAATGGCCAGGCGCTCTCCTTCCGCGTCACCACCAGCG  
ATGGCAGGACCGTCACCGCCTACAATGTCGCGCCCGGGGACTGGCAATTCGGGA  
GAACTTACACTGGCAACACCGCCTCGCAGTACTACTGA

### Nucleotide

>SmEXPA-07

ATGGACTCCAAGCCGCTGCTCACTGCTCTCTCGATCTTCTTCCTGGTTTCTACAGC  
ACTCCTTGCAAATGCCGATGCCAAGAAGCCGGGTGGCCACCACAAATATGGCAG  
AGGCGGGAGCCAAGGATCATGGCAATGGGGAGCCCACGCGACTTACTACGGTGG  
GAGCGACGCATCTGGGACAAACAGTACGATCCAATTCTCTCCACTCCTTGATCTT  
GATCTTATTCACGAGCTTATACTCCCTCTCGACAAAATCTGGTTTTGTCAGATGG  
AGCATGCGGCTATGGAAACCAGCTGAGCGCCGGCTATGGAACCATCACCCTGCT

CTAAGCACCCCTCTCTTCCGCGGGGGCAATGTGTGTGGAGCGTGCTACCAAGTCC  
GGTGCTGGGGCGATCCAGCGTGCCTCCCGGGAAATCCCTCCGTCGTCGTCACCGC  
CACCAATCTCTGCCCGCCGGGGAGCAATGGCGGCTGGTGTGATCCGCCCAAGCCC  
CACTTTGATCTCTCGCAGCCGGCATTCTCGCATCGCCAGGATCCCCAACGGCCA  
CGCCCAGATCCAGTACCGAAGGTAAACCAACTTTCTTCCTCGATCGCTTGGAGGA  
GCGATCTTGGTTTGATCGGATGGATTCTGATCCAATGCTCCATCGATCCAGGGTC  
AAGTGCCAGCGGCAGGGAGGGATTGCTTCACGATCAATGGCCACACTTACTTCA  
ATCTGGTGCTCGTCACGAACGTGGGCGGCATGGGCGACGTCGTGGGCGTGTGAT  
CAAGGGATCTAGCAGCGGCTGGCGATCCATGAGCCGGAAGTGGGGCCAGAAGTGG  
GGAGGAGGGAAGCAATCTCAATGGCCAGGCGCTCTCCTTCCGCGTCACCACCAGC  
GATGGCAGGACCGTCACCGCCTACAATGTCGCGCCCCGGGGACTGGCAATTCGGG  
AGAACTTACACTGGCAACACCGCCTCGCAGTACTACTGA