

## IDENTIFICATION

**Species:** *Selaginella moellendorffii*

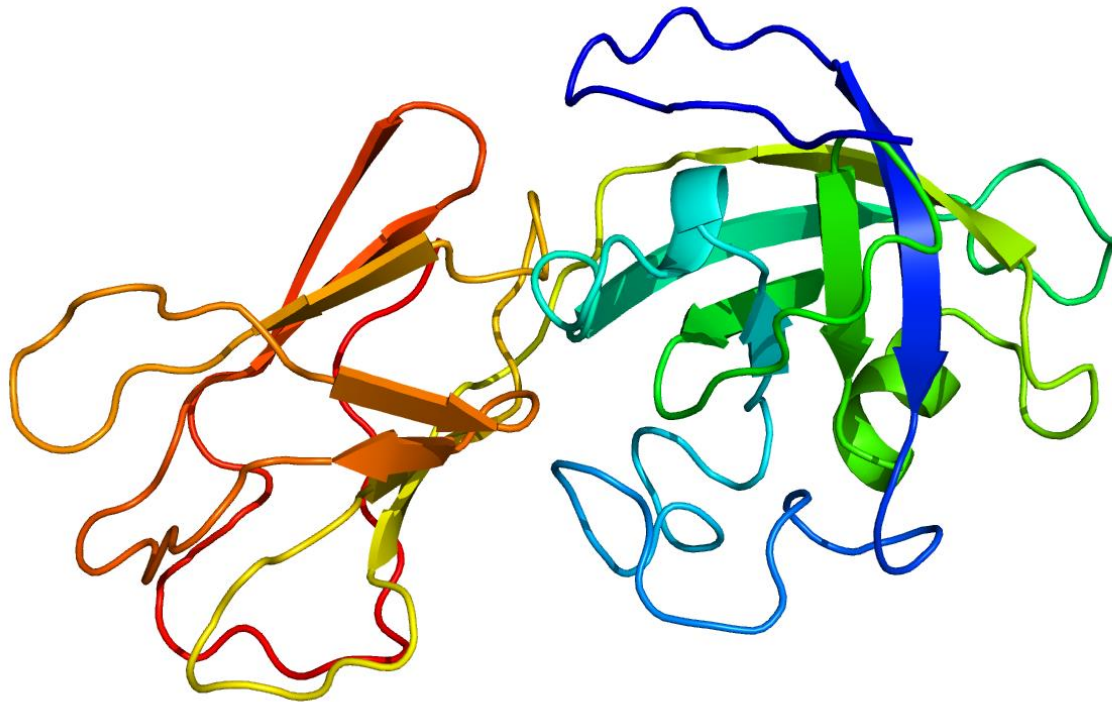
**Locus:** 179212

**Gene Model:** 179212

**Description:** SmEXPA-15

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

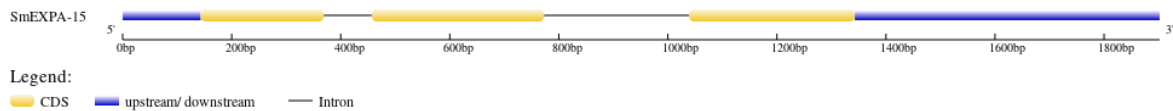
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Smoellendorffii\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0)

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

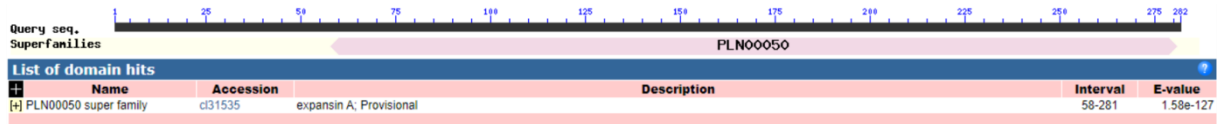
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SmEXPA-15

MASRAPLLLAIVSWIAFLHQAAATGHHGVARGHHQHRGGGHGGGGGGSSGGGYES  
GSWTGAHATFYGGSDASGTMGGACGYGNLYSQGYGTNTAALSTALFQSGLSGAC  
FEVKCNGDPEWCLPGSSVLVTATNFCPPNDALPNNNGWCNTPLQHFDMAQPAFEQ  
IAKYRGGIVPVLYRRVPCQRKGGIRFTMNGHNYFNLVLVTNVGGAGDVHSVSIKGSN  
TDWLPMSRNWGQNWQSNAILSGQSLSEKVTTSDGRTVVSYDAAPPNWQYQGQTYSG  
DQF\*

### CDS (coding sequence)

>SmEXPA-15

ATGGCTTCCAGGGCGCCTCTGCTGCTCGCGATCGTTTCTTGGATCGCATTCTCCA  
CCAGGCCGCGGCGACTGGCCACCACGGCGTGGCGCGCGGCCATCACCAGCATCG  
CGGAGGCGGCCACGGCGGCGGCGGTGGCGGATCGTCCGGAGGAGGCTATGAATC  
CGGCTCCTGGACCGGCGCGCATGCTACATTCTACGGCGGCAGCGATGCATCTGGA  
ACCATGGGAGGAGCTTGC GGCTATGGCAATCTCTACAGCCAGGGCTACGGCACC  
AACACCGCGGCATTGAGCACCGCGCTCTTCCAGAGCGGCCTCTCCTGCGGCGCTT  
GCTTCGAGGTGAAATGCAATGGTGATCCCGAGTGGTGCTCCCGGGCTCCTCTGT  
TCTCGTCACGGCCACGAATTTCTGCCCGCCCAACGACGCGCTCCCGAACAAACAT  
GGCGGATGGTGCAACACGCCGCTCCAGCATTTGACATGGCGCAGCCAGCGTTCC  
AGCAGATCGCCAAGTACAGGGGAGGCATTGTGCCTGTTCTTTATAGAAGGGTTC  
ATGCCAGAGGAAAGGCGGCATCCGATTCACCATGAACGGCCACAACACTACTCAA  
CCTGGTGCTCGTCACCAACGTTGGCGGCGCCGGGGACGTCCACTCGGTTTCGATC  
AAGGGCTCCAACACCGACTGGCTGCCAATGTTCGCGCAACTGGGGCCAAAACCTGG  
CAGAGCAACGCCATCCTCAGCGGCCAGTCGCTCTCCTTCAAGGTCACCACCAGCG  
ACGGCCGGACGGTGGTGTCGTACGACGCTGCCCGCCCAATTGGCAGTACGGGC  
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### Nucleotide

>SmEXPA-15

GAGCTCACGATCAATCAAGCGTTCTTGGCGAGCGCGTCTCTCTCGCCTCCTTCGAT  
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TGTGTGAAATCTCTCGAAACATCGCAGGCCATGGCTTCCAGGGCGCCTCTGCTGC  
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AACAAATGGCGGATGGTGCAACACGCCGCTCCAGCATTTCGACATGGCGCAGCCA  
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GAAAGGCGGCATCCGATTCACCATGAACGGCCACAACACTTCAACCTGGTGCTC  
GTCACCAACGTTGGCGGCGCCGGGGACGTCCACTCGGTTTCGATCAAGGGCTCCA  
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