

## IDENTIFICATION

**Species:** *Selaginella moellendorffii*

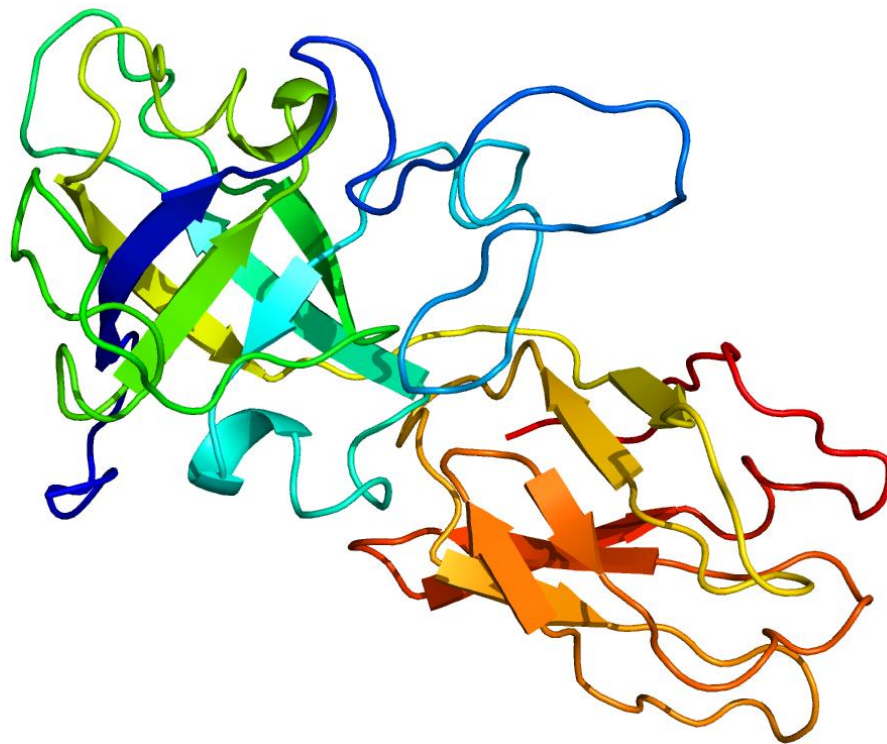
**Locus:** 78615

**Gene Model:** 78615

**Description:** SmEXPA-02

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

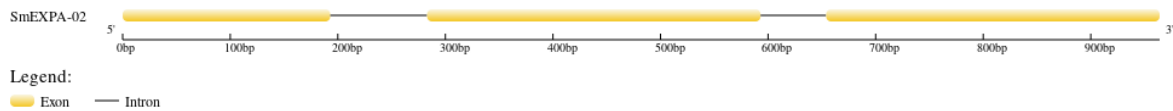
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Smoellendorffii\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0)

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

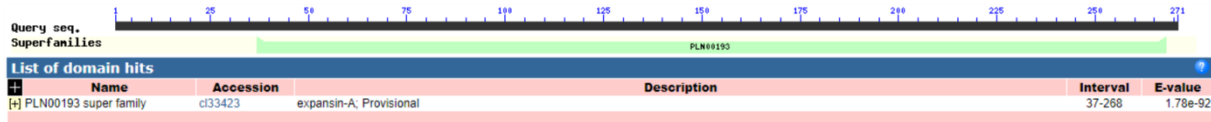
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SmEXPA-02

MILALVASILLAIQALAVAAVYSSSYSTPSRYKGGLWRYAHATFYGEYDALETMGKS  
PDRTPPPRGACGYGNLYSQYGTDTTALSTVLFNSGYGCGGCYEISCTQSKHCYPGS  
TIVTATNLCPPNWKPSNNGWCNPPRIHFDMSKPAFSKIA YWRAGIVPVRVRRVPC  
RRKGGIKFELKGNRWWLIVFVSNVGGPGDIKRMVVKGSKTGWLPMSRNWGVGFQV  
FKSLHGQSLFSMVTSTTTGKTVTAYDVVPANWRIGQAYSGGQMV\*

### CDS (coding sequence)

>SmEXPA-02

ATGATCTTAGCGCTGGTTGCAAGCATTCTTCTGGCGATCCAAGCACTCGCAGTAG  
CAGCAGTTTATAGTTCTTCTTACTCCACTCCATCCAGATACAAAGGAGGCCTCTGG  
AGATATGCTCACGCGACCTTTTACGGAGAATACGACGCTCTCGAAACCATGGGCA  
AGTCACCAGATAGA AACTCCTCCTCCTCGAGGAGCTTGTGGATACGGGAACCTGTA  
CTCGCAAGGATACGGCACTGATA CCACTGCACTGAGCACCGTCTCTTCAACAGC  
GGCTATGGTTGTGGAGGCTGCTACGAGATATCTTGTACACAGTCCAAGCATTGCT  
ATCCCGGCTCCACCATCGTCACTGCCACCAATCTCTGTCCGCCAAACTGGTATAA  
ACCATCCAACAATGGTGGCTGGTGTAAATCCCCCGCAATCCA CTTTGACATGTCC  
AAGCCTGCCTTCTCGAAGATTGCCTACTGGAGAGCCGGAATAGTTCTGTTCGCT  
ACAGAAGGGTGCCTTGTCCGAGGAAAGGTGGGATCAAGTTCGAGCTCAAAGGCA  
ATCGCTGGTGGCTCATTGTCTTCGTGAGCAACGTTGGAGGGCCTGGCGACATCAA  
AAGAATGGCTGTAAAGGATCCAAA AACTGGCTGGTTACCAATGTCACGCAACTGG  
GGAGTTGGATTCCAGGTTTTCAAATCGCTCCATGGCCAAAGCCTTCTTTTCATGGT  
CACCTCCTTCACGACTGGAAAAACTGTGACGGCATAACGACGTTGTCCCTGCTAAC  
TGGAGAATCGGCCAAGCGTATTCTGGTGGTCAGATGGTATGA

### Nucleotide

>SmEXPA-02

ATGATCTTAGCGCTGGTTGCAAGCATTCTTCTGGCGATCCAAGCACTCGCAGTAG  
CAGCAGTTTATAGTTCTTCTTACTCCACTCCATCCAGATACAAAGGAGGCCTCTGG  
AGATATGCTCACGCGACCTTTTACGGAGAATACGACGCTCTCGAAACCATGGGCA  
AGTCACCAGATAGA AACTCCTCCTCCTCGTCCCTGCTTTGTTTGTTCCTTCGTTTAGC  
ACCATGATCCTGTTCTAGCTTCCATTTGAACTTGGCTAAACTTCACGTCTTTTCTTC  
CAGGAGGAGCTTGTGGATACGGGAACCTG TACTCGCAAGGATACGGCACTGATA

CCACTGCACTGAGCACCGTCCTCTTCAACAGCGGCTATGGTTGTGGAGGCTGCTA  
CGAGATATCTTGTACACAGTCCAAGCATTGCTATCCCGGCTCCACCATCGTCACT  
GCCACCAATCTCTGTCCGCCAAACTGGTATAAACCATCCAACAATGGTGGCTGGT  
GTAATCCCCCGCGAATCCACTTTGACATGTCCAAGCCTGCCTTCTCGAAGATTGCC  
TACTGGAGAGCCGGAATAGTTCCTGTTTCGCTACAGAAGGTACGCGGCCCTGTGGA  
GTGAATCGACTGTCCAAGCTCGAAGACTAACCTTGTCTTGCAGGGTGCCTTGTC  
GGAGGAAAGGTGGGATCAAGTTCGAGCTCAAAGGCAATCGCTGGTGGCTCATTG  
TCTTCGTGAGCAACGTTGGAGGGCCTGGCGACATCAAAGAATGGCTGTTAAAG  
GATCCAAAACCTGGCTGGTTACCAATGTCACGCAACTGGGGAGTTGGATTCCAGGT  
TTTCAAATCGCTCCATGGCCAAAGCCTTTCTTTCATGGTACCTCCTTCACGACTG  
GAAAAACTGTGACGGCATAACGACGTTGTCCCTGCTAACTGGAGAATCGGCCAAG  
CGTATTCTGGTGGTTCAGATGGTATGA