

IDENTIFICATION

Species: *Selaginella moellendorffii*

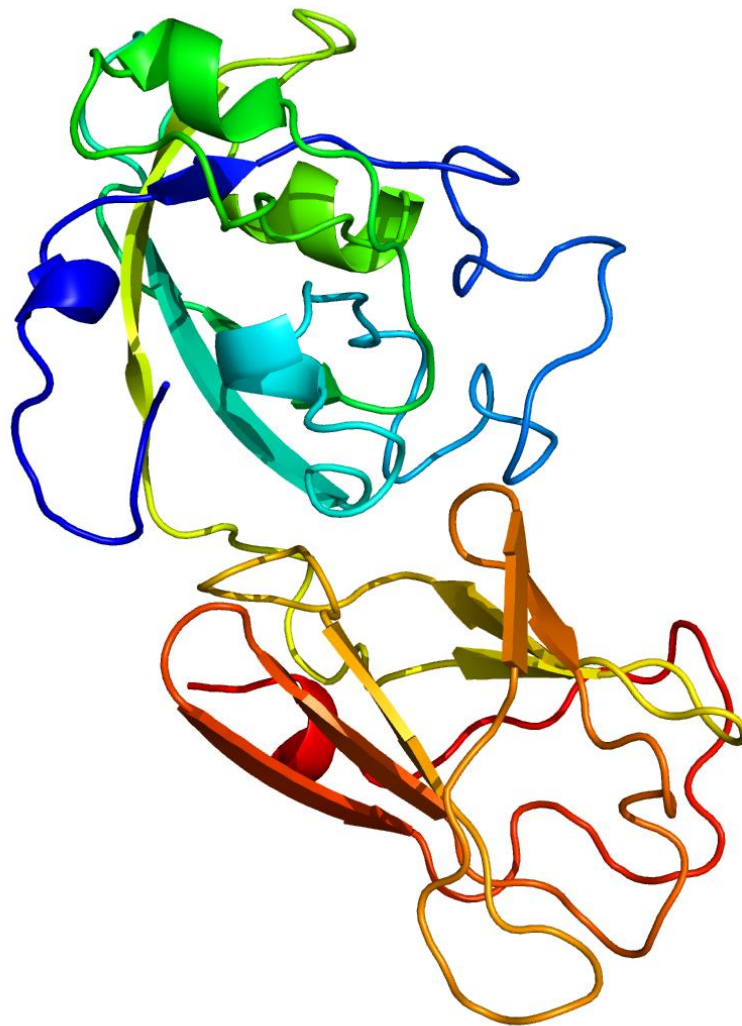
Locus: 236978

Gene Model: 236978

Description: SmEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

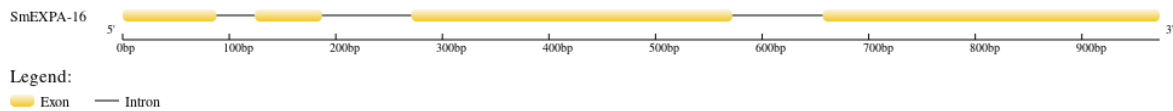
Phytozome: https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0

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

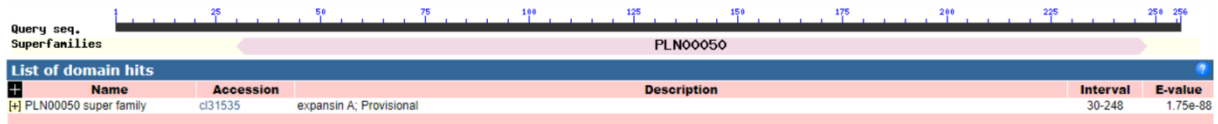
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPA-16

MDSKPLLALSIFFLVSTALLANADAKKPGSWQWGAHATYYGGSDASGTNNGACG
YGNQLSAGYGTITTALSTPLFRGGNVCGACYQVRCWGDPACLPGNPSVVVTATNLC
PPGSNGGWCDPPKPHFDLSQPAFSRIARIPNGHAQIQYRRVKCQRQGGIRFTINGHTYF
NLVLTNVGGMGDVVGVSIGSSSGWRSMSRNWQONWEEGSNLNGQALSFRVTTS
DGRTVTAYNVAPGDWQFGRTYTGNTASQYY*

CDS (coding sequence)

>SmEXPA-16

ATGGACTCCAAGCCGCTGCTCACTGCTCTCTCGATCTTCTTCCTGGTTTCTACAGC
ACTCCTTGCAAATGCCGATGCCAAGAAGCCGGGATCATGGCAATGGGGAGCCCA
CGCGACTTACTACGGTGGGAGCGACGCATCTGGGACAAACAATGGAGCTTGCGG
CTATGGAAACCAGCTGAGCGCCGGCTATGGAACCATCACCCTGCTCTAAGCACC
CCTCTCTTCCGCGGGGGCAATGTGTGTGGAGCCTGCTACCAAGTCCGGTGCTGGG
GCGATCCAGCGTGCCTCCCGGGAAATCCCTCCGTCGTCGTCACCGCCACCAATCT
CTGCCACCGGGGAGCAATGGCGGCTGGTGTGATCCGCCCAAGCCCCACTTTGAT
CTCTCGCAGCCGGCATTCTCGCATCGCCAGGATCCCCAACGGCCACGCCCAGA
TCCAGTACCGAAGGGTCAAGTGCCAGCGGCAGGGAGGGATTTCGCTTCACGATCA
ATGGCCACACTTACTTCAATCTGGTGCTCGTCACGAACGTGGGCGGCATGGGCGA
CGTCGTGGGCGTGTTCGATCAAGGGATCTAGCAGCGGCTGGCGATCCATGAGCCG
GAACTGGGGCCAGAACTGGGAGGAGGGAAGCAATCTCAATGGCCAGGCGCTCTC
CTCCGCGTCACCACCAGCGATGGCAGGACCGTCACCGCCTACAATGTCGCGCCC
GGGACTGGCAATTCGGGAGAACTTACACTGGCAACACCGCCTCGCAGTACTACT
GA

Nucleotide

>SmEXPA-16

ATGGACTCCAAGCCGCTGCTCACTGCTCTCTCGATCTTCTTCCTGGTTTCTACAGC
ACTCCTTGCAAATGCCGATGCCAAGAAGCCGGGTGGCCACCACAAATATGGCAG
AGGCGGGAGCCAAGGATCATGGCAATGGGGAGCCACGCGACTTACTACGGTGG
GAGCGACGCATCTGGGACAAACAGTACGATCCAATTCTCTCCACTCCTTGATCTT
GATCTTATTCACGAGCTTATACTCCCTCTCGACAAAATCTGGTTTTTGCAGATGG
AGCTTGCGGCTATGGAAACCAGCTGAGCGCCGGCTATGGAACCATCACCCTGCT

CTAAGCACCCCTCTCTTCCGCGGGGGCAATGTGTGTGGAGCCTGCTACCAAGTCC
GGTGCTGGGGCGATCCAGCGTGCCTCCCGGGAAATCCCTCCGTCGTCGTCACCGC
CACCAATCTCTGCCACCGGGGAGCAATGGCGGCTGGTGTGATCCGCCCAAGCCC
CACTTTGATCTCTCGCAGCCGGCATTCTCGCATCGCCAGGATCCCCAACGGCCA
CGCCCAGATCCAGTACCGAAGGTAAACCAACTTTCTTCCTCGATCGCTTGCAGGA
GCGATCTTGGTTTGATCGGATGGATTCTGATCCAATGCTCCATCGATCCAGGGTC
AAGTGCCAGCGGCAGGGAGGGATTGCTTCACGATCAATGGCCACACTTACTTCA
ATCTGGTGCTCGTCACGAACGTGGGCGGCATGGGCGACGTCGTGGGCGTGTGAT
CAAGGGATCTAGCAGCGGCTGGCGATCCATGAGCCGGAAGTGGGGCCAGAAGT
GGAGGAGGGAAGCAATCTCAATGGCCAGGCGCTCTCCTTCCGCGTCACCACCAGC
GATGGCAGGACCGTCACCGCCTACAATGTCGCGCCCGGGGACTGGCAATTCGGG
AGAACTTACACTGGCAACACCGCCTCGCAGTACTACTGA