

IDENTIFICATION

Species: *Selaginella moellendorffii*

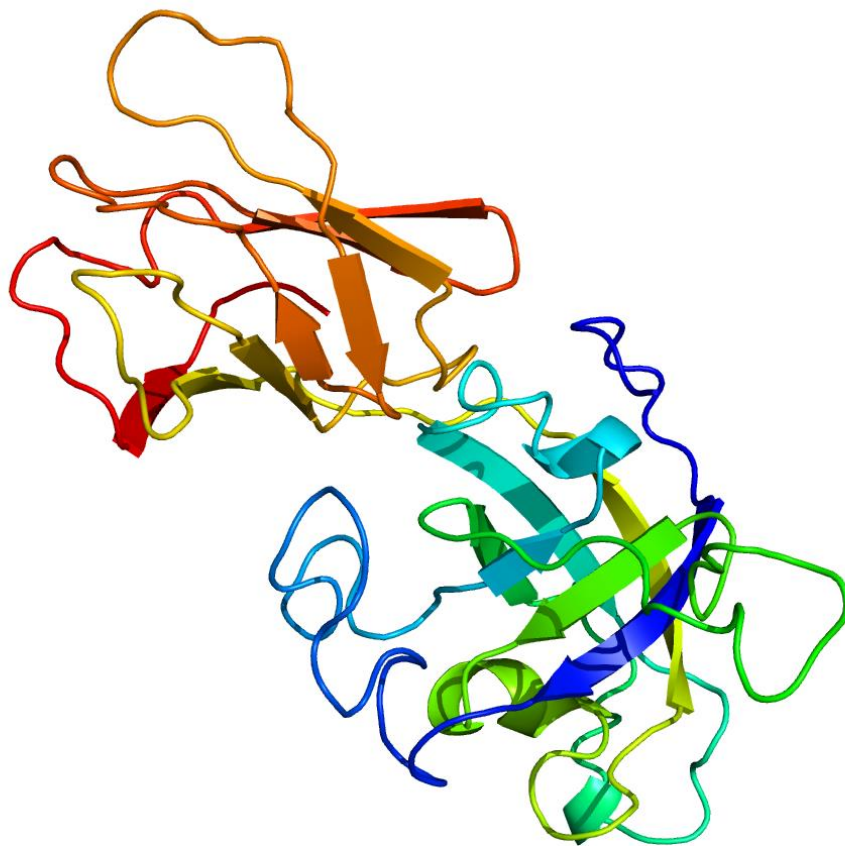
Locus: 230202

Gene Model: 230202

Description: SmEXPA-03

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>

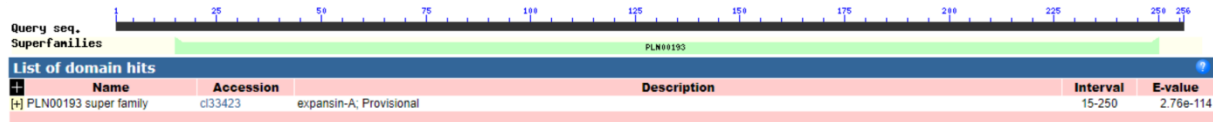
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPA-03

MDLPLLFAATVVVFLSPEVGAQDYGSWQDAHATFYGGSDASGTMGGACGYGNLY
LQGYGVSTAALSTALFNEGWSCGSCFELKCNAEADPEWCLPGNPSIVVTATNFCPPN
FALPSDNGGWCNPPREHFDLSQPAFELIAKYRGGIVPVQYRRVPCEREGGIHFSINGH
AYFMLVLVWNVGGAGDVHAVA VMGSRTRRWQPLVRNWGQNWQSPDVLLGQSLS
FMVTTNNGDTVTDYD VAPQDWKFGQTFVGNKN*

CDS (coding sequence)

>SmEXPA-03

ATGGATCTCCCACTTCTTTTTGCAGCAACCGTTGTGGTGCTGTTTTTGAGCCCTGA
AGTTGGAGCTCAAGATTATGGATCATGGCAAGATGCTCACGCAACGTTTTATGGA
GGAAGTGATGCCTCTGGAACCATGGGAGGAGCTTGTGGATATGGGAACCTCTACC
TCCAAGGCTATGGAGTAAGCACAGCAGCACTGAGCACTGCCCTGTTCAATGAAG
GCTGGTCGTGCGGCTCTTGCTTCGAATTGAAATGCAATGCCGAGGCCGACCCGGA
ATGGTGCTTGCCCGGCAACCCATCCATCGTGGTCACGGCCACAACTTTTGCCT
CCAACTTTGCTCTCCCAAGCGACAACGGAGGCTGGTGTAAATCCCCGCGCGAGC
ACTTTGATCTCTCACAGCCTGCATTTGAGCTGATTGCCAAGTACAGAGGTGGCAT
TGTTCTGTTCAGTACAGAAGGGTACCTTGTGAAAGGGAAGGAGGCATTCATTC
TCTATCAATGGCCATGCCTATTTTCATGCTGGTGTGCTGGTGTGGAATGTGGGTGGAG
CCGGGGATGTCCACGCTGTGGCTGTCATGGGATCGAGAACCAGGAGGTGGCAGC
CTTTGGTGAGAACTGGGGGCAGAATTGGCAATCGCCAGATGTTCTTCTTGGCCA
GTCCCTCTCTTTCATGGTAACCACGAGCAACGGTGACACTGTTACCGATTATGAT
GTTGCGCTCAAGATTGGAAGTTTGGGCAAACGTTTGTAGGAAACAAAAATTGA

Nucleotide

>SmEXPA-03

ATGGATCTCCCACTTCTTTTTGCAGCAACCGTTGTGGTGCTGTTTTTGAGCCCTGA
AGTTGGAGCTCAAGATTATGGATCATGGCAAGATGCTCACGCAACGTTTTATGGA
GGAAGTGATGCCTCTGGAACCATGGGAGGAGCTTGTGGATATGGGAACCTCTACC
TCCAAGGCTATGGAGTAAGCACAGCAGCACTGAGCACTGCCCTGTTCAATGAAG
GCTGGTCGTGCGGCTCTTGCTTCGAATTGAAATGCAATGCCGAGGCCGACCCGGA
ATGGTGCTTGCCCGGCAACCCATCCATCGTGGTCACGGCCACAACTTTTGCCT
CCAACTTTGCTCTCCCAAGCGACAACGGAGGCTGGTGTAAATCCCCGCGCGAGC

ACTTTGATCTCTCACAGCCTGCATTTGAGCTGATTGCCAAGTACAGAGGTGGCAT
TGTTCCCTGTTTCAGTACAGAAGGGTACCTTGTGAAAGGGAAGGAGGCATTCATTC
TCTATCAATGGCCATGCCTATTTTCATGCTGGTGGTGGTGGTGGTGGTGGGAG
CCGGGGATGTCCACGCTGTGGCTGTCATGGGATCGAGAACCAGGAGGTGGCAGC
CTTTGGTGAGAACTGGGGGCAGAATTGGCAATCGCCAGATGTTCTTCTTGGCCA
GTCCCTCTCTTTCATGGTAACCACGAGCAACGGTGACACTGTTACCGATTATGAT
GTTGCGCCTCAAGATTGGAAGTTTGGGCAAACGTTTGTAGGAAACAAAAATTGA