

IDENTIFICATION

Species: *Selaginella moellendorffii*

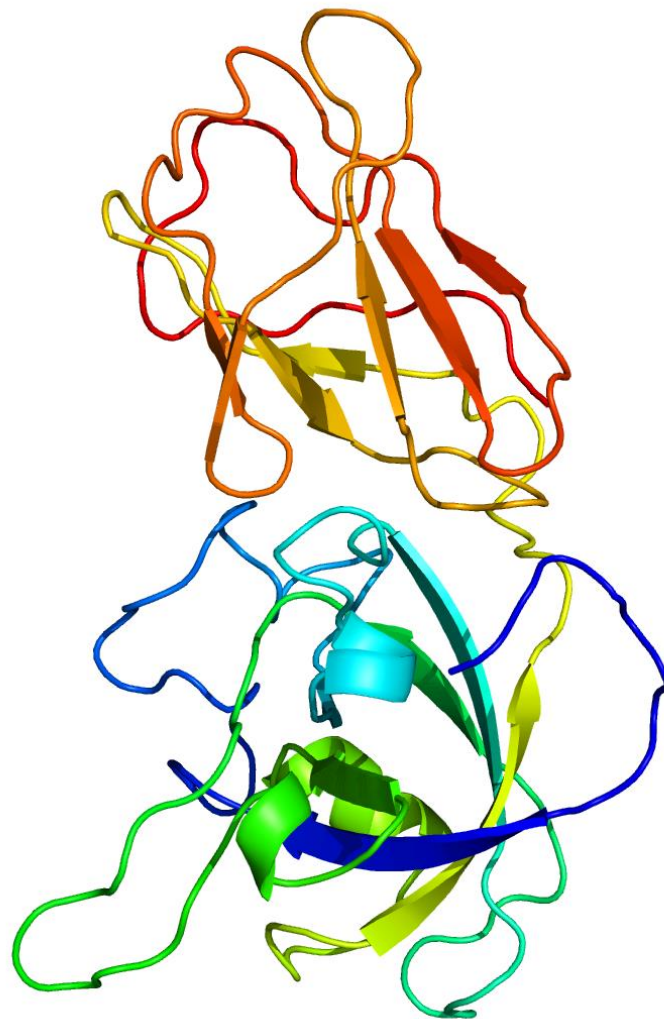
Locus: 143857

Gene Model: 143857

Description: SmEXPA-04

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>

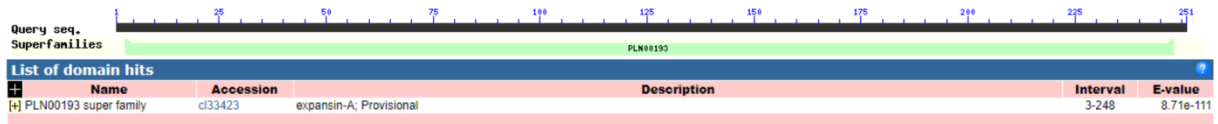
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPA-04

MDFFSAVFLPAALLLFVALNLAQAQWSNAHATFYGGSDASGTMGGACGYGNVLS
AGYGVNTAALSTALFNGGATCGACFQMOCVNSRWCRPGKSVTVTATNFCPPNNALP
SDNGGWCNTPREHFDLSQPVWEQMAIQGGIVPVQYRRVKCYKQGGIIFTMNGNPN
FNLVLIKNVAGWDLRAVSIKGSNTGWLPMKRNWGSNWEYHGVLVQSLFLLTPS
MGGSLISYDVFPNWXQFGQSYSGRQFS*

CDS (coding sequence)

>SmEXPA-04

ATGGACTTCTTTTCGGCAGTTTTTCTTCCGGCTGCGCTGCTATTGTTTCGTGGCTCTC
AATCTCGCAGCTGCGCAACAATGGAGCAACGCTCATGCTACATTCTACGGGGGCA
GCGATGCCTCGGGAACAATGGGTGGTGCTTGC GGCTATGGAAACGTGCTTAGTGC
TGGCTATGGAGTCAACACCGCGGGCGTTGAGCACCGCCTTGTTCAATGGGGGAGCT
ACCTGCGGAGCTTGCTTCCAGATGCAGTGC GTCAACTCGAGATGGTGTCTGCCG
GAAAGTCGGTCACCGTCACCGCCACGAAC TTTGCCCCCGAACAACGCCCTCCC
AAGCGACAATGGGGGCTGGTGCAACACACCCAGGGAGCACTTCGATCTCTCCA
GCCAGTCTGGGAGCAAATGGCCATTTACCAAGGAGGGATCGTCCCAGTTCAGTAC
AGAAGGGTCAAGTGCTACAAGCAAGGTGGGATCATCTTCACCATGAACGGCAAC
CCAAACTTCAACTTGGTTCTCATAAAAAACGTTGCCGGATGGGGGGATTTGAGAG
CCGTGTCGATCAAAGGCTCCAACACCGGCTGGCTCCCAATGAAGAGGAACTGGG
GATCGAATTGGGAATACCATGGAGTTCTAGTCGGCCAGTCCCTCTCCTTTCTGCTC
ACACCCAGCATGGGAGGATCTCTCATCTCGTACGATGTTTTTCTCGCAACTGGC
AGTTTGGACAGTCCTACTCGGGCCGGCAATTCAGCTAA

Nucleotide

>SmEXPA-04

GGCAGTGGCAGCAGTAGCAGCAAAGGAAGGAAGATGGACTTCTTTTCGGCAGTT
TTTCTTCCGGCTGCGCTGCTATTGTTTCGTGGCTCTCAATCTCGCAGCTGCGCAACA
ATGGAGCAACGCTCATGCTACATTCTACGGGGGCGAGCGATGCCTCGGGAACAAT
GGGTATGGCGAAGTGAAGTTCTTCTTGC GATTAGTTTTTGTCTGACAAAAGTGGTC
TTTTGTTTCTTGAAGGTGGTGCTTGC GGCTATGGAAACGTGCTTAGTGCTGGCTAT
GGAGTCAACACCGCGGGCGTTGAGCACCGCCTTGTTCAATGGGGGAGCTACCTGCG
GAGCTTGCTTCCAGATGCAGTGC GTCAACTCGAGATGGTGTCTGCCGAAAGTC

GGTCACCGTCACCGCCACGAACTTTTGCCCCCGAACAACGCCCTCCCAAGCGAC
AATGGGGGCTGGTGCAACACACCCAGGGAGCACTTCGATCTCTCCAGCCAGTCT
GGGAGCAAATGGCCATTTACCAAGGAGGGATCGTCCCAGTTCAGTACAGAAGGT
AGACGCAAAAGCTTCCTTTTTCTGTTTGTCTCCAGGACTTTGATTTTGATG
ACGGAATTGATGATGTGGTGATGGTCTATCAGGGTCAAGTGCTACAAGCAAGGTG
GGATCATCTTCACCATGAACGGCAACCCAACTTCAACTTGGTTCTCATAAAAAA
CGTTGCCGGATGGGGGGATTTGAGAGCCGTGTCGATCAAAGGCTCCAACACCGG
CTGGCTCCCAATGAAGAGGAACTGGGGATCGAATTGGGAATACCATGGAGTTCT
AGTCGGCCAGTCCCTCTCCTTTCTGCTCACACCCAGCATGGGAGGATCTCTCATCT
CGTACGATGTTTTCTCGCAACTGGCAGTTTGGACAGTCCTACTCGGGCCGGCA
ATTCAGCTAAAGCGAAGAGCCTTGCAGAACAAACGAAGAATAAGCGAGGACTTT
TCTTAGTTGTGGGAGCGCTGCTCGAACTTTTCTCACGCGGAAAGAGTCTTCCAAA
CTCTCAGCTTTGCTGCGGTGCTTCAGGGGTACCCGCCACTGAGACTCCATGTTGAT
AGCAGTTGGATTTGATAAAAAAAAAAAAAACAATGGCC