

IDENTIFICATION

Species: *Selaginella moellendorffii*

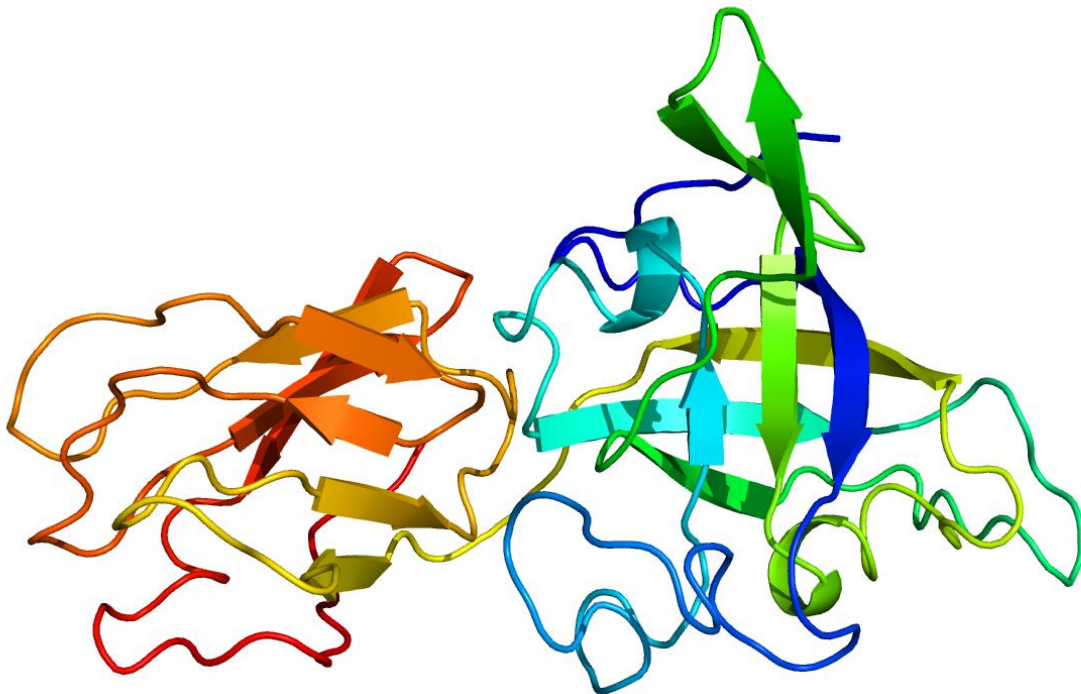
Locus: 90332

Gene Model: 90332

Description: SmEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

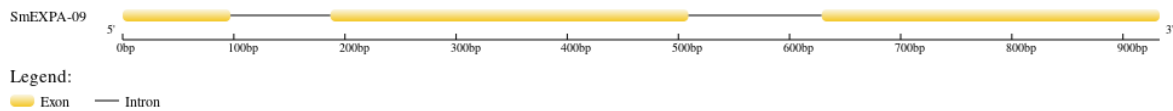
Phytozome: https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0

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

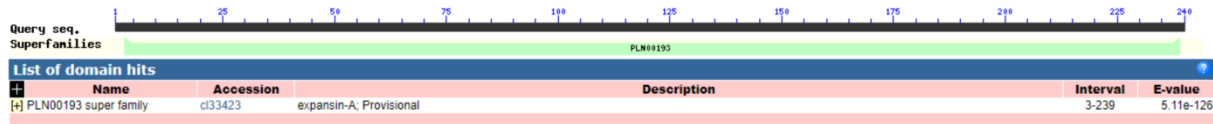
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPA-09

MVIAVHTGKAIAQQWTDAAHATFYGGSDASGTMGGACGYGNLYSQGYGTNTAALST
VLFNSGLSCGACFEIKCNAAKDPQWCRAGASVTVTATNFCPPNYAQANDNGGWCNP
PLEHFDMAQPAWEQIGIYRGGIVPVQYRRVSCVKKGGIHFLLNGNKYFMLVLVSNV
GGAGDVRAVSIKGPSGDWQPMSRNWQNWQSDSRLIGQSLFRVVTSDNRAVTSLN
VAPAGWSFGQTFSGEQF*

CDS (coding sequence)

>SmEXPA-09

ATGGTGATCGCAGTTCACACTGGAAAAGCAATCGCTCAGCAATGGACGGATGCA
CATGCAACTTTCTACGGTGGCAGCGATGCTTCAGGCACAATGGGAGGTGCTTGCG
GGTATGGCAACCTTTACAGCCAAGGATACGGCACCAACACGGCGGCATTGAGTA
CCGTGCTGTTCAATTCGGGCCTGAGCTGCGGTGCGTGCTTCGAGATTAAGTGCAA
CGCTGCAAAAAGACCCGCAGTGGTGCCGAGCTGGAGCCTCCGTCACGGTGACAGC
CACGAACTTCTGTCCTCCAAACTACGCTCAGGCCAACGATAATGGCGGCTGGTGC
AATCCTCCCTTGGAGCACTTCGACATGGCCAGCCAGCATGGGAACAGATTGGCA
TCTACCGAGGAGGAATTGTTCCCGTCCAATACAGAAGGGTGAGCTGCGTGAAGA
AGGGAGGGATCCACTTCACGCTCAACGGGAACAAATACTTCATGCTGGTGCTCGT
GAGCAACGTTGGAGGGGCGGGGACGTGCGAGCGGTGTCGATCAAGGGGCCGAG
CGGCGACTGGCAGCCAATGTCGAGGAACTGGGGCCAAAACACTGGCAGAGCGATAG
CAGGCTCATCGGGCAGAGCCTCTCGTTCCGCGTTCGTGACGAGTGACAATCGAGCG
GTCACGTCGCTCAACGTCGCACCGGCGGGGTGGAGCTTTGGCCAGACTTTCAGTG
GAGAACAGTTTTGA

Nucleotide

>SmEXPA-09

ATGGTGATCGCAGTTCACACTGGAAAAGCAATCGCTCAGCAATGGACGGATGCA
CATGCAACTTTCTACGGTGGCAGCGATGCTTCAGGCACAATGGGATGCACCTTG
GGTTTTCCAAGTTTGTAACCTCTCATCCCTTTCTAGCTTTATCTTTAAAAACA
ATCTTCGTTACGACTTTGCAGGAGGTGCTTGCGGGTATGGCAACCTTTACAGCCA
AGGATACGGCACCAACACGGCGGCATTGAGTACCGTGCTGTTCAATTCGGGCCTG
AGCTGCGGTGCGTGCTTCGAGATTAAGTGCAACGCTGCAAAAAGACCCGCAGTGGT
GCCGAGCTGGAGCCTCCGTCACGGTGACAGCCACGAACTTCTGTCCTCCAAACTA

CGCTCAGGCCAACGATAATGGCGGCTGGTGCAATCCTCCCTTGGAGCACTTCGAC
ATGGCCCAGCCAGCATGGGAACAGATTGGCATCTACCGAGGAGGAATTGTTCCC
GTCCAATACAGAAGGTACTCTTCGCTTCTTTCATCCTTTTCTCGCTTTTCTTCTTC
TCTTTTTTACTTGGCTGTGCTATGCACGCACGTAGATTCTATTCTTTACTGATTTCT
CTTTCTTTTCTGTATTGCAGGGTGAGCTGCGTGAAGAAGGGAGGGATCCACTTCA
CGCTCAACGGGAACAAATACTTCATGCTGGTGCTCGTGAGCAACGTTGGAGGGGC
CGGGGACGTGCGAGCGGTGTCGATCAAGGGGCCGAGCGGCGACTGGCAGCCAAT
GTCGAGGAACTGGGGCCAAAACCTGGCAGAGCGATAGCAGGCTCATCGGGCAGAG
CCTCTCGTTCCGCGTCGTGACGAGTGACAATCGAGCGGTCACGTCGCTCAACGTC
GCACCGGCGGGGTGGAGCTTTGGCCAGACTTTCAGTGGAGAACAGTTTTGA