

IDENTIFICATION

Species: *Selaginella moellendorffii*

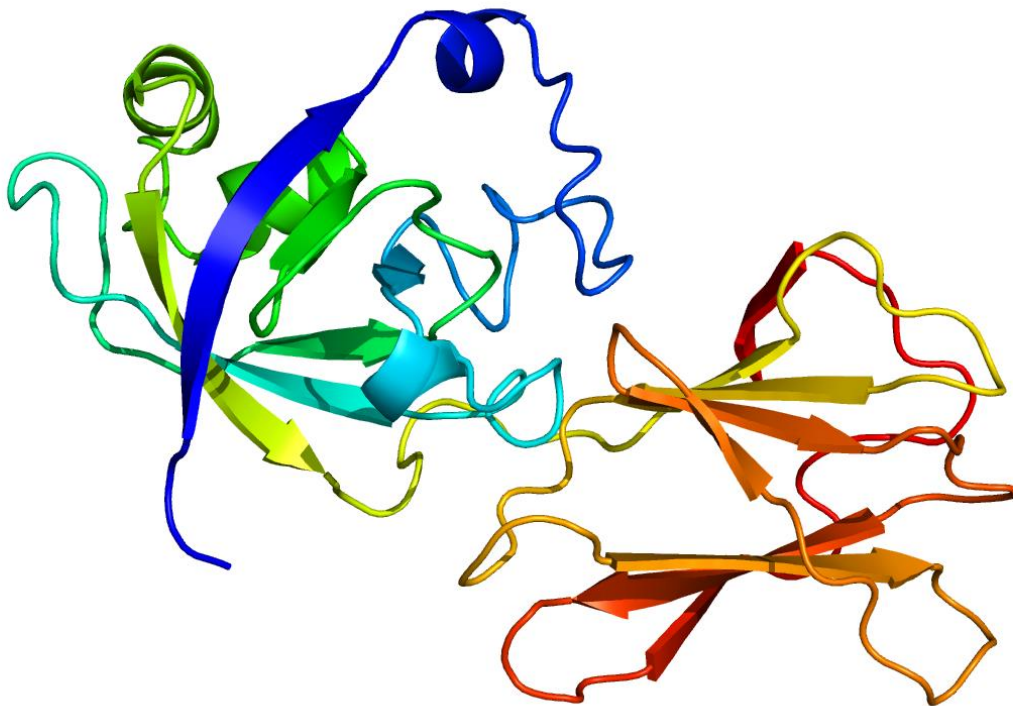
Locus: 36179

Gene Model: 36179

Description: SmEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

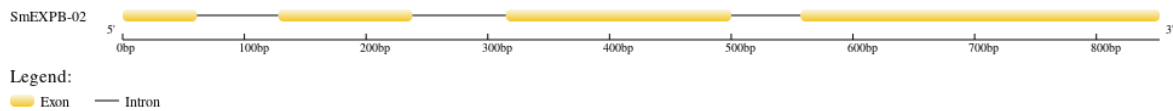
Phytozome: https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0

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

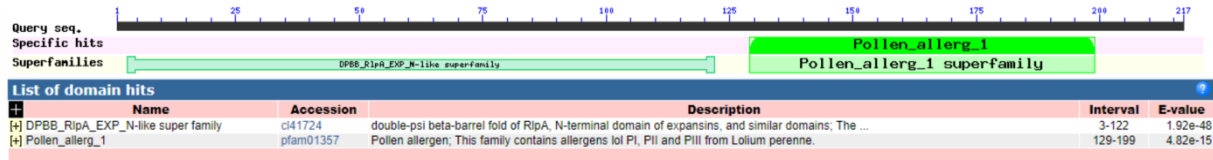
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPB-02

SEWQTGRGTWYGPPLGTGNTGACGYGELEGTPYDSNIVAIGSETFNNGLGCGACFE
VRCVNDTICREEPTTVVVVTDECPECPADQLDFSGTAFESLAIEGQGDALRARGIISIE
YRRKSCDFAANITFEVVPGSNEFWIAFVVKYVPGYGALQSVEVQSSGSNTWENAAHL
WGAVWQIDGPLTTPTSVRVTTVGGEVATCVLTGITSWSPGETST*

CDS (coding sequence)

>SmEXPB-02

AGCGAGTGGCAGACCGGAAGGGGAACCTGGTATGGTCCTCCCCTTGGCACTGGA
ACAAACACGGGTGCCTGTGGGTATGGCGAAGTGGAGGGGACTCCTTACGATTCCA
ATATCGTCGCCATAGGAAGCGAGACCTTTAACAATGGCCTTGGGTGTGGAGCTTG
CTTCGAGGTAAGGTGTGTCAATGACACGATTTGCCGAGAGGAGCCCACGACTGTG
GTGGTGGTACTGACGAATGCCAGAGTGTCCCGCGGACCAGCTAGACTTCAGCG
GCACAGCGTTTGAGAGCCTCGCAATAGAAGGTCAAGGTGACGCTCTTCGAGCCA
GGGGCATCATTTCAATCGAGTATAGACGGAAGTCTTGCGACTTTGCAGCCAACAT
CACCTTCGAAGTTGTGCCCGGATCAAACGAGTTTTGGATCGCGTTCGTGGTGAAG
TACGTGCCAGGATACGGGGCGCTTCAAAGCGTGGAAGTCCAGAGCAGTGGAAGC
AACACTTGGGAGAACGCCGCTCACCTGTGGGGAGCGGTGTGGCAAATCGATGGC
CCTTTGACAACTCCAACCTTCGGTGTGGGTGACGACCGTGGGTGGCGAAGTTGCCA
CTTGTGTTCTAACC GGATCACGAGCTGGTTCGCTGGGGAACTTCTACT

Nucleotide

>SmEXPB-02

AGCGAGTGGCAGACCGGAAGGGGAACCTGGTATGGTCCTCCCCTTGGCACTGGA
ACAAACAGTGAGCTAGTTTGGTCGCATGTTTAAATGATGATATCATCGTTTCTGA
TCGATTCTCTTTTGTGCAGCGGGTGCCTGTGGGTATGGCGAAGTGGAGGGGACTC
CTTACGATTCCAATATCGTCGCCATAGGAAGCGAGACCTTTAACAATGGCCTTGG
GTGTGGAGCTTGCTTCGAGGTA AATTGCTAGCTCTAGCAGAAGAAGTGAAAGGTT
TCCTGAATCTTGGTGAGAATTTGATTTGATCAATGATTTAGGTAAGGTGTGTCAAT
GACACGATTTGCCGAGAGGAGCCCACGACTGTGGTGGTGGTACTGACGAATGC
CCAGAGTGTCCCGCGGACCAGCTAGACTTCAGCGGCACAGCGTTTGAGAGCCTCG
CAATAGAAGGTCAAGGTGACGCTCTTCGAGCCAGGGGCATCATTTCAATCGAGTA

TAGACGGTAAAACCATCTGGATATAGTCGATCACAAAGAGAATAACACCTCTATAT
TGATCCAGGAAGTCTTGCGACTTTGCAGCCAACATCACCTTCGAAGTTGTGCCCCG
GATCAAACGAGTTTTTGGATCGCGTTCGTGGTGAAGTACGTGCCAGGATACGGGGC
GCTTCAAAGCGTGGAAGTCCAGAGCAGTGGAAGCAACACTTGGGAGAACGCCGC
TCACCTGTGGGGAGCGGTGTGGCAAATCGATGGCCCTTTGACAACTCCAACCTCG
GTGAGGGTGACGACCGTGGGTGGCGAAGTTGCCACTTGTGTTCTAACCGGGATCA
CGAGCTGGTCGCCTGGGGAACTTCTACT