

IDENTIFICATION

Species: *Physcomitrium patens*

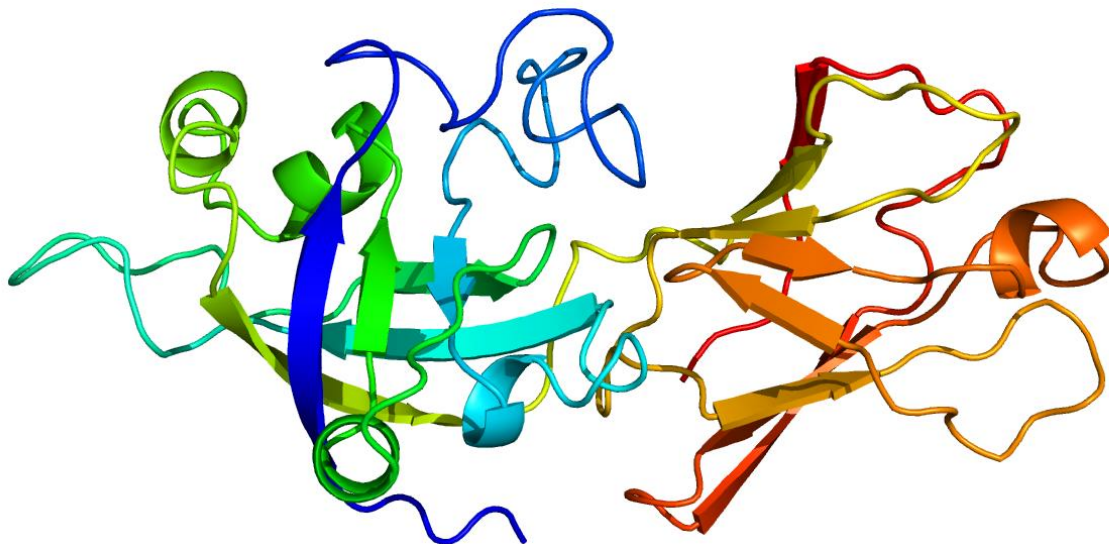
Locus: Pp3c2_3390V3

Gene Model: Pp3c2_3390V3.1.p

Description: PpEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

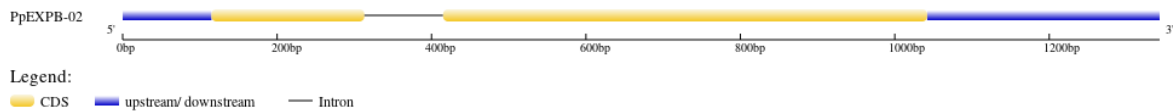
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

KEGG: <https://www.genome.jp/entry/gn:T01041>

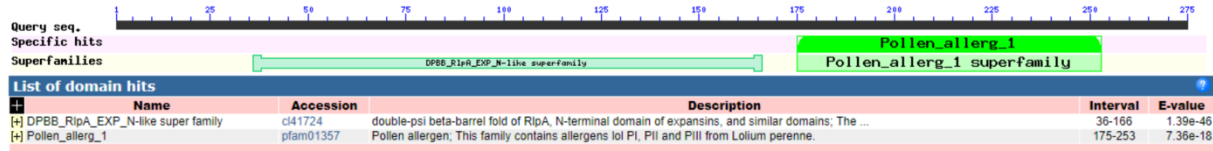
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPB-02

MATMAQVVWLVLVGLMSLLLCAEAGWLGNGQYHEQWVRARGTWYGDYPYEGESS
GELMLLTLLQYCGTPIGPKIVAGSRSIYANGLGCGQCYQIRCVDPSHGPKLCNSFGT
QVVVTDFCPPGGTYCSTGENAFDMSGAAINAMALPSREGQLRNRLYNLLYKRVPCR
YRGTNIQFRVDNGSSAYWLSILIKYVGGPGDIGQVYIKMANWFQPMKHAWGAN
WMMPSYDGKPFKGPMDIKIVSKLNRHSVVARGVIPGYFRPGTTYNSRVQMAF*

CDS (coding sequence)

>PpEXPB-02

ATGGCGACGATGGCTCAGGTGGTGTGGCTGGTTGTGTTGGGCCTCATGAGCCTGC
TGCTTTGTGCCGAAGCGGGTGGTTGGGTAACCAGGGGTATCATGAGCAGTGGGT
CCGCGCTCGCGGCACGTGGTACGGAGATCCTTACGGCGAAGGGTCAAGCGGTGA
GTTGATGCTACTCACGCTCCTGCAGCAATACTGTGGCACTCCCATCGGTCCCAAG
ATTGTTGCCGGCAGTCGCTCGATCTACGCAAACGGGCTTGGTTGTGGCCAATGCT
ACCAGATCAGGTGCGTTGATCCCAGCCACGGACCCAAGCTCTGCAATTCCCTTCGG
CACACAAGTTGTCGTGACCGATTTCTGCCCCGGTGGAACTTACTGTAGCACTGGG
GAGAATGCATTTGACATGAGCGGAGCTGCCATCAATGCCATGGCGCTTCCGAGCA
GAGAGGGCCAACTTCGCAACCGGGGCTTGTACAACCTCCTCTACAAGAGAGTGCC
GTGCCGGTACAGAGGCACCAACATCCAATTCGCGGTCGACAACGGCTCCAGCGCC
TATTGGCTGAGCATTGATCAAGTACGTCGGGGGACCAGGCGACATTGGTCAGG
TTTATATTAAGATGGCCAACTGGTTTTCGTTTTAGCCAATGAAACATGCTTGGGG
AGCCAACCTGGATGATGCCTAGCTACGACGGGAAGCCGTTCAAGGGCCCCATGGA
CATCAAGATTGTGTCGAAGCTGAACAGGCACTCCGTTGTTGCTAGAGGAGTCATT
CCCGTTACTTCCGGCCCCGGAACGACCTACAATTCTAGGGTGCAGATGGCTTTCT
AG

Nucleotide

>PpEXPB-02

GTGGGACGGTCTACTTCCGTGCAACTTGTGGAATTCGGTGCAAGTGTGGTAGCAG
CAGTGGTGCAGCTGAGGAAGAGCAGTGTTTCGTGATTGAGAGAGTTAGCTGGGAC
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GCCTGCTGCTTTGTGCCGAAGCGGGTTGGTTGGGTAACCAGGGGTATCATGAGCA
GTGGGTCCGCGCTCGCGGCACGTGGTACGGAGATCCTTACGGCGAAGGGTCAAG
CGGTGAGTTGATGCTACTCACGCTCCTGCAGCAATACTGTGTTGATCTGCACTGTG
TCGATGAGTAAATGGCAGCACTAGTCTTCTGACTTTCTTACTGATTTCTTTGTCCA
GGTGGGAAGTGCAGTTACACGAGGCTCTAGGGCACTCCCATCGGTCCCAAGATTG
TTGCCGGCAGTCGCTCGATCTACGCAAACGGGCTTGGTTGTGGCCAATGCTACCA
GATCAGGTGCGTTGATCCCAGCCACGGACCCAAGCTCTGCAATTCCTTCGGCACA
CAAGTTGTGCTGACCGATTTCTGCCCGGGTGGAACTTACTGTAGCACTGGGGAGA
ATGCATTTGACATGAGCGGAGCTGCCATCAATGCCATGGCGCTTCCGAGCAGAGA
GGGCCAACTTCGCAACCGGGGCTTGTACAACCTCCTTACAAGAGAGTGCCGTGC
CGGTACAGAGGCACCAACATCCAATTCCGCGTCGACAACGGCTCCAGCGCCTATT
GGCTGAGCATTTTGATCAAGTACGTCGGGGGACCAGGCGACATTGGTCAGGTTTA
TATTAAGATGGCCAAGTGGTTTGCCTTTCAGCCAATGAAACATGCTTGGGGAGCC
AACTGGATGATGCCTAGCTACGACGGGAAGCCGTTCAAGGGCCCCATGGACATC
AAGATTGTGTCGAAGCTGAACAGGCACTCCGTTGTTGCTAGAGGAGTCATTCCCG
GTTACTTCCGGCCCCGGAACGACCTACAATTCTAGGGTGCAGATGGCTTTCTAGTTT
TACAACCTCTCTCGGATGATATTTATCTATCCACGGGCCCTCCCGATCCCGGACACA
CTGTAAATTGTACGTTAGTTAAGGTAGCAGTAGTCGGTGGTTAGTAAAGAGGCTC
CAGCACATGAAGTGGAGAAGGGGTCCGATCTTGCGCTTTTAGATAAGTATAATCT
TAAGCAAATTTTGCTCTAGCGCCCCTCTTTGGAGACATTTTAAGCTTTGTCCAAAG
AGGAGGCGATATATTCCGGCAAAGTGCTTTTCGTGGTGCCTTTACTAAAAATAA
GTGTGGTATGCATGGCTTGGA