

IDENTIFICATION

Species: *Marchantia polymorpha*

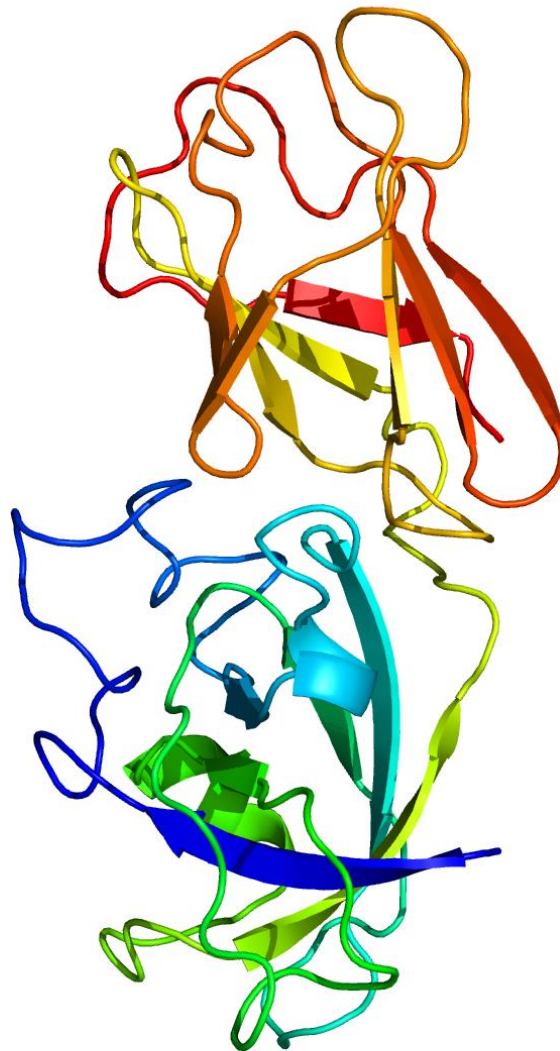
Locus: Mapoly0090s0011

Gene Model: Mapoly0090s0011.1.p

Description: MpoEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1

KEGG:-

EXTERNAL RESOURCES

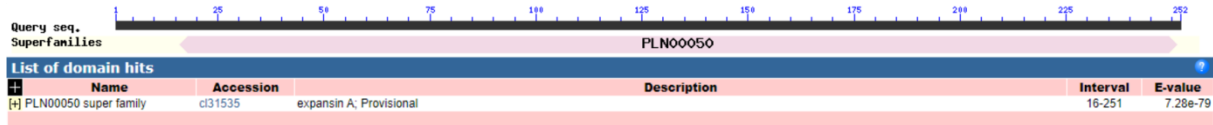
<https://marchantia.info/>

GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MpoEXPA-24

MAAGLAAGGRMAQLWIVGLLMMLQALWSPMGVAALPAHATFYGGSDASGTNNG
ACGYSNVLSTPFGTMTAALSSPLFNEGLSCGSCYKVRCSGSSTGGCIDNEIMVTATNL
CPHGSEGGWCDGKPHFDMSQPAFSQIAKPVAGVVEVEYTKVPCPRKGGMQFTVMG
HTYFLQVLIFNVGGSDVTAVKVRGGNGEWIAMTRS WGQLWQTGKVLGDGQALS FQ
VTTSNGKTCVSNYVAGSHWKY GQTFEGSQY*

CDS (coding sequence)

>MpoEXPA-24

ATGGCAGCGGGGTTGGCAGCGGGAGGGAGAATGGCGCAGCTGTGGATCGTCGGA
CTCTTGATGATGCTGCAGGCCCTGTGGTCGCCAATGGGCGTCGCGGGCGCTGCCGG
CTCACGCTACGTTCTACGGCGGGAGCGACGCCTCGGGCACCAACAACGGAGCCT
GCGGCTACTCAAACGTGCTGTCCACGCCCTTCGGTACGATGACCGCGGCCCTCAG
CTCCCCGCTCTTCAACGAGGGCCTGTCCTGCGGGTCTGTGCTACAAGGTCCGCTGC
TCCGGGTCCTCGACCGGCGGGTGCATCGACAACGAGATCATGGTGACCGCGACG
AACCTCTGCCCCGCACGGCAGCGAGGGCGGGTGGTGCGACGGCAAGCCCCACTTC
GACATGTCGCAGCCCGCGTTCTCGCAGATCGCCAAGCCGGTCGCGGGCGTGGTGG
AGGTGGAGTACACGAAGGTCCCTTGCCCAAGAAAGGGAGGCATGCAGTTCCTG
TGATGGGGCACACGTACTTCCCTCCAGGTTCTCATCTTCAACGTCGGGGGAAGCGG
CGACGTGACCGCGGTTAAGGTTCAGGGGCGGCAACGGGGAGTGGATTGCTATGAC
CAGGAGCTGGGGTCAGCTGTGGCAGACGGGCAAGGTGCTGGACGGGCAAGCCCT
GTCCTTTCAGGTGACCACCAGCAACGGCAAGACCTGCGTGAGCAACTACGTGGCG
GGCTCTCATTGGAAGTACGGCCAGACCTTCGAGGGGTTCGCAGTACTGA

Nucleotide

>MpoEXPA-24

ATGGCAGCGGGGTTGGCAGCGGGAGGGAGAATGGCGCAGCTGTGGATCGTCGGA
CTCTTGATGATGCTGCAGGCCCTGTGGTCGCCAATGGGCGTCGCGGGCGCTGCCGG
CTCACGCTACGTTCTACGGCGGGAGCGACGCCTCGGGCACCAACAACGGAGCCT
GCGGCTACTCAAACGTGCTGTCCACGCCCTTCGGTACGATGACCGCGGCCCTCAG
CTCCCCGCTCTTCAACGAGGGCCTGTCCTGCGGGTCTGTGCTACAAGGTCCGCTGC
TCCGGGTCCTCGACCGGCGGGTGCATCGACAACGAGATCATGGTGACCGCGACG
AACCTCTGCCCCGCACGGCAGCGAGGGCGGGTGGTGCGACGGCAAGCCCCACTTC
GACATGTCGCAGCCCGCGTTCTCGCAGATCGCCAAGCCGGTCGCGGGCGTGGTGG

AGGTGGAGTACACGAAGGTCCCTTGCCCAAGAAAGGGAGGCATGCAGTTCCTG
TGATGGGGCACACGTACTTCCTCCAGGTTCTCATCTTCAACGTCGGGGGAAGCGG
CGACGTGACCGCGGTTAAGGTCAGGGGCGGCAACGGGGAGTGGATTGCTATGAC
CAGGAGCTGGGGTCAGCTGTGGCAGACGGGCAAGGTGCTGGACGGGCAAGCCCT
GTCCTTTCAGGTGACCACCAGCAACGGCAAGACCTGCGTGAGCAACTACGTGGCG
GGCTCTCATTGGAAGTACGGCCAGACCTTCGAGGGGTCGCAGTACTGA