

IDENTIFICATION

Species: *Amborella trichopoda*

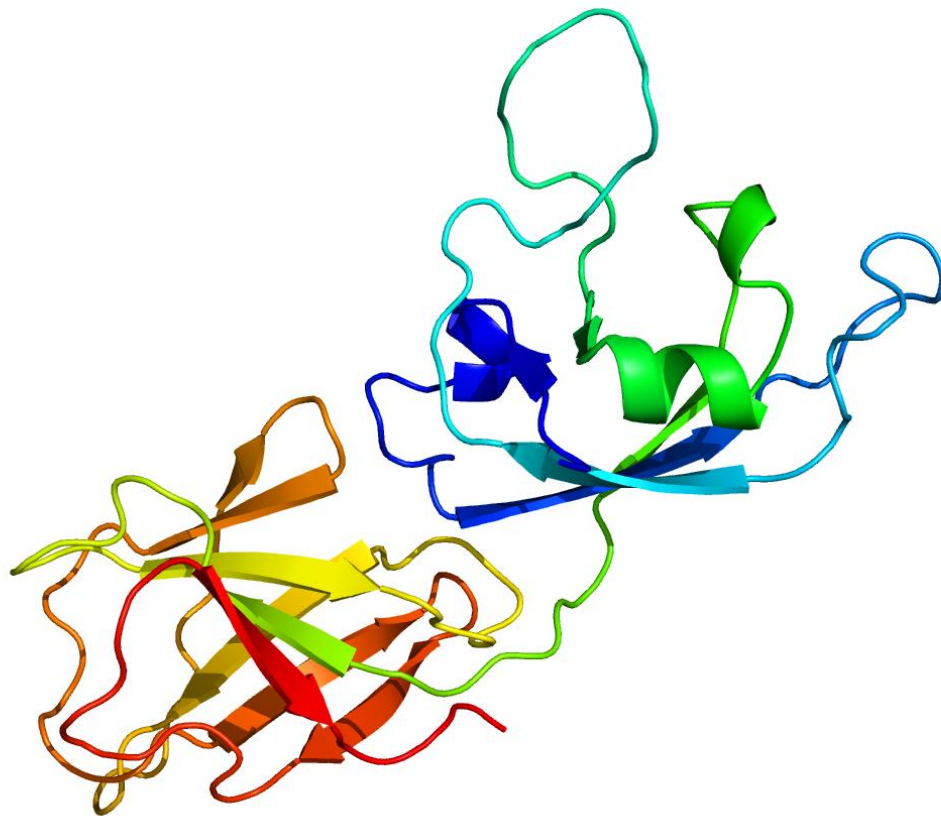
Locus: evm_27.model.AmTr_v1.0_scaffold00072

Gene Model: evm_27.model.AmTr_v1.0_scaffold00072.76

Description: AtrEXPA-05

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Atrichopoda_v1_0

KEGG: <https://www.genome.jp/entry/gn:T02990>

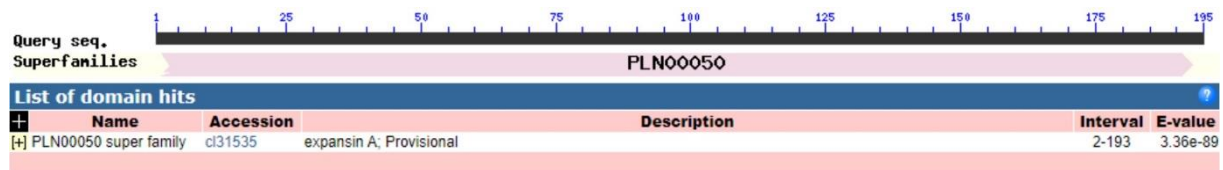
EXTERNAL RESOURCES

https://plants.ensembl.org/Amborella_trichopoda/Info/Index?db=core

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AtrEXPA-05

MNNVALSTALFNNGLTGACYEIQCDSQQDPKWCHPGSIIVTATNFCPPNPALPSDK
GGWCNPPREHFDLSMPAFLRIGEYIAGIIPVSYRRVPCTKQGGIRFEISGFKYWTHVLV
YNVGGAGDVREVAIKGSRASNWPEMQRNWGQIWQTGNDYSGQSLSFVTTSDGRT
VNSIDAVPVNWQYGGQTFEGKQFS*

CDS (coding sequence)

>AtrEXPA-05

ATGAACAATGTGGCGCTCAGCACTGCCCTGTTCAACAATGGCCTCACCTGCGGTG
CTTGCTACGAGATCCAGTGC GACTCAC AACAGGACCCAAAGTGGTGCCATCCCCG
CTCTATCATTGTC ACTGCAACCAATTTTTGCCCTCCGAACCCTGCCCTCCCTTCTG
ACAAGGGGGGTTGGTGTAAACCCGCCTCGTGAGCACTTCGATCTCTCCATGCCTGC
ATTCCTCAGGATAGGAGAGTATATAGCAGGCATCATCCCTGTGAGCTATAGACGT
GTTCCCTGCACGAAACAAGGGGGAATCCGGTTCGAGATCAGTGGATTCAAATATT
GGACACATGTTCTAGTATATAATGTAGGTGGAGCTGGGGATGTTAGGGAGGTCCG
GATCAAGGGCTCGAGAGCGAGCAACTGGGAGCCCATGCAAAGGAATTGGGGCCA
AATTTGGCAGACCGGGAACGACTACTCTGGACAGAGCCTGTCGTTTCGAGTGACA
ACAAGTGATGGAAGAACTGTGAATTCGATCGATGCGGTGCCGGTGAATTGGCAA
TATGGGCAGACCTTTGAGGGGAAACAATTTTCTTAG

Nucleotide

>AtrEXPA-05

ATGAACAATGTGGCGCTCAGCACTGCCCTGTTCAACAATGGCCTCACCTGCGGTG
CTTGCTACGAGATCCAGTGC GACTCAC AACAGGACCCAAAGTGGTGCCATCCCCG
CTCTATCATTGTC ACTGCAACCAATTTTTGCCCTCCGAACCCTGCCCTCCCTTCTG
ACAAGGGGGGTTGGTGTAAACCCGCCTCGTGAGCACTTCGATCTCTCCATGCCTGC
ATTCCTCAGGATAGGAGAGTATATAGCAGGCATCATCCCTGTGAGCTATAGACGT
GTTCCCTGCACGAAACAAGGGGGAATCCGGTTCGAGATCAGTGGATTCAAATATT
GGACACATGTTCTAGTATATAATGTAGGTGGAGCTGGGGATGTTAGGGAGGTCCG
GATCAAGGGCTCGAGAGCGAGCAACTGGGAGCCCATGCAAAGGAATTGGGGCCA
AATTTGGCAGACCGGGAACGACTACTCTGGACAGAGCCTGTCGTTTCGAGTGACA

ACAAGTGATGGAAGAAGACTGTGAATTCGATCGATGCGGTGCCGGTGAATTGGCAA
TATGGGCAGACCTTTGAGGGGAAACAATTTCTTAG