

## IDENTIFICATION

**Species:** *Amborella trichopoda*

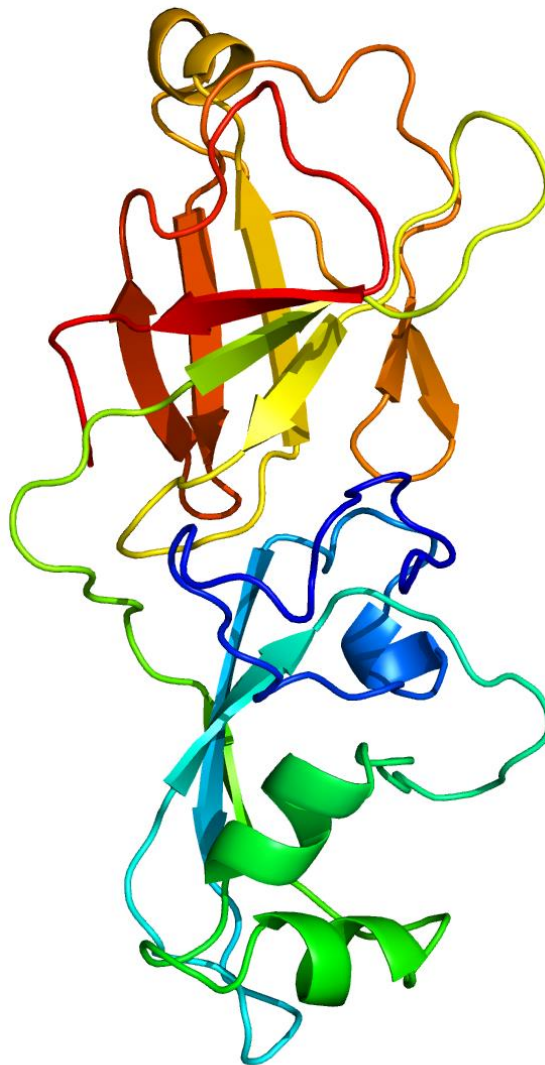
**Locus:** evm\_27.model.AmTr\_v1.0\_scaffold00111

**Gene Model:** evm\_27.model.AmTr\_v1.0\_scaffold00111.29

**Description:** AtrEXPA-07

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

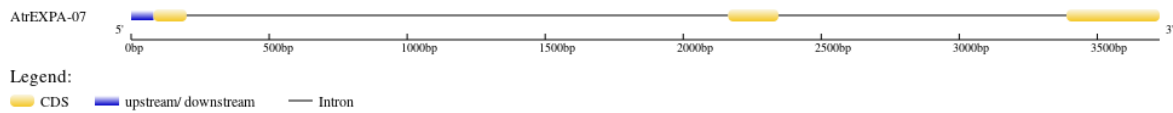
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Atrichopoda\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Atrichopoda_v1_0)

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

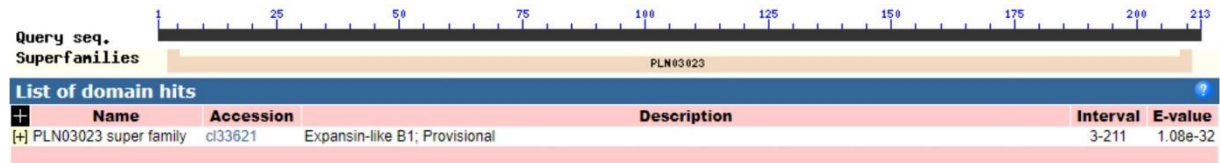
## EXTERNAL RESOURCES

[https://plants.ensembl.org/Amborella\\_trichopoda/Info/Index?db=core](https://plants.ensembl.org/Amborella_trichopoda/Info/Index?db=core)

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>AtrEXPA-07

MESGACGYGTAVEQAPFSSMIAAGSPPLYKSGKGCACGYQVKCTSNEACSKNAVRV  
VITDECPGCGGIHFDLSGTAFGAMALSGKEQLRDAGQLQISYTRVPCYYPGKTIAFH  
VDSGSNSNYFAVVVEFEDGDGDLNAVALAESSTSTYSSSSWLDLTQSWGADWKIDP  
GRKLEAPFSIRLTSSTGKTIVANNVIPAGWQADATYRSVVNY\*

### CDS (coding sequence)

>AtrEXPA-07

ATGGAAAGTGGGGCTTGTGGATATGGTACTGCAGTGGAGCAAGCCCCTTCTCTT  
CCATGATAGCAGCAGGGAGTCCCCCTCTCTACAAGTCAGGCAAGGGATGTGGTGC  
TTGTTATCAGGTGAAATGTACTAGCAATGAGGCGTGTTCGAAGAATGCAGTGAGG  
GTGGTGATAACGGATGAGTGCCCTGGGTGTGGTGGTATTCATTTTGATCTGAGTG  
GGACAGCTTTTGGAGCCATGGCTCTCTCTGGCAAGGAAGAACAGCTTAGGGATGC  
TGGCCAATTACAAATTTTCATATACTAGAGTCCCTTGTGAGTACCCCGGGAAA  
ACTATCGCCTTCCATGTTCGACTCCGGCTCGAACTCGAACTACTTCGCCGTCGTCGTTGA  
GTTTGAGGACGGCGATGGAGACCTCAATGCTGTTGCCCTCGCAGAATCCTCCACC  
TCAACTTATTCCTCGTCCTCCTGGTTAGACCTCACGCAGTCTTGGGGTGCAGACTG  
GAAGATAGATCCTGGCCGAAAGCTTGAGGCTCCATTCTCCATTCGCCTAACTTCG  
TCGACTGGGAAA  
ACTATCGTGGCCAACAATGTAATCCCCGCAGGGTGGCAAGCC  
GATGCGACATATCGCTCCGTGGTGAATTACTAG

### Nucleotide

>AtrEXPA-07

ATGGAAAGTGATTACCTAACCTTAAGATCTATTACTTATTTATTATTTATTTATTA  
TTTTTAATTTTATTTTTTTGTTTTAATGGCAGGTGGGGCTTGTGGATATGGTACTGC  
AGTGGAGCAAGCCCCTTCTCTTCCATGATAGCAGCAGGGAGTCCCCCTCTCTAC  
AAGTCAGGCAAGGGATGTGGTGTGTTATCAGGTATCATATCATAGAAAATATA  
CACTTACATAGCTAAAGGGATTTTTTTCTGCACTAAAATTTACACATCTTCGATT  
CGAAGAATCACAATTTTACGAAAATAAATTTGATTTTGAGTTCTTAAAGGCCTAT  
ATCGAAAATATACTTATAACTGTTATGTTTCGTGCTCCAGAATATAGAGCTAAAG  
GGATTTTCTCTAAACTAATATTTTGCACATCTTTGATTGGAAATAAGAAATTA  
AAAA



TTAAGTTTTAAGTTATACCAAATACGGTTTGAGGTTATAATCCTACCGCTATAAAA  
AATATTGATCCTAAAATGGTTATCTTGGACCACCCACCGAGTAATAAAAACTAC  
ACGGTTCCAGAATTGTAACCTCGAACCAGATGTTTAAAAAAGGCACGATTCGAG  
AATTCATCCTCTCATTTGGTATGACAAATGACTTAAAACCTTACTGTTGTTATTTG  
CTCTTATAAGAATAACAAAAGTCTCTTCCCTTTCTCTCTCCAAAAAAGAAACAAG  
AAAAGATTCAAATCTCTCTCTTCCCTCTCCCCCAATTTTTTTTGATCGTTATCCT  
CCACAGAGTCCCTTGTGAGTACCCCGGGAAAACCTATCGCCTTCCATGTCGACTCC  
GGCTCGAACTCGAACTACTTCGCCGTCGTCGTTGAGTTTGAGGACGGCGATGGAG  
ACCTCAATGCTGTTGCCCTCGCAGAATCCTCCACCTCAACTTATTCCTCGTCCTCC  
TGGTTAGACCTCACGCAGTCTTGGGGTGCAGACTGGAAGATAGATCCTGGCCGAA  
AGCTTGAGGCTCCATTCTCCATTGCCTAACTTCGTCGACTGGGAAAACCTATCGTG  
GCCAACAAATGTAATCCCCGCAGGGTGGCAAGCCGATGCGACATATCGCTCCGTGG  
TGAATTACTAG