

IDENTIFICATION

Species: *Amborella trichopoda*

Locus: evm_27.model.AmTr_v1.0_scaffold00140

Gene Model: evm_27.model.AmTr_v1.0_scaffold00140.33

Description: AtrEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

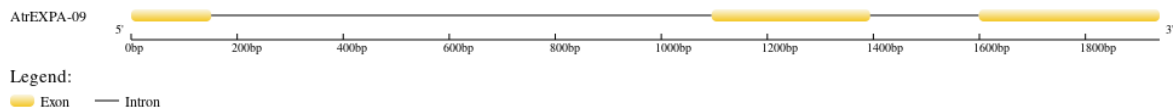
Phytozome: https://phytozome-next.jgi.doe.gov/info/Atrichopoda_v1_0

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

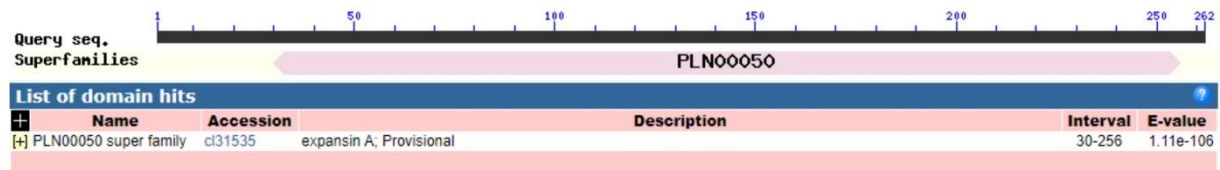
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AtrEXPA-09

MALSMPFLLLLLLLLLSLLLFGDAKKYGQYRGGKWKHAHATFYGGNDGSGTMGGACG
YGDLNQQGYGLQTAALSSAMFNDGLKCGSCYEIRCTGEAKWCLGRRRSIVVTATNL
CPPNWDQPSDNGGWCNPPRHHFDLAMP AFLTLAKYEAGIVPVAYRRVPCKKKKGGM
RFTITGHQYFNLVVLVWNVGGAGDIVRMRVKGKKMGWVDMKRNWQNWQSDIDL
TGQSLSFRVTTSDERVSTSWHVPPSWQFGQTFISKKNFRAK*

CDS (coding sequence)

>AtrEXPA-09

ATGGCGCTTTCGATGCCCTTCTTGTTGTTGCTTCTGCTCTTGTCTCTTCTGTTGTTT
GGCGATGCAAAGAAGTACGGCCAATACAGAGGCGGGAAATGGAAGCATGCTCAC
GCCACCTTCTATGGTGGAAATGATGGCTCTGGGACAATGGGGGGAGCCTGTGGGT
ATGGAGACCTGAACCAGCAGGGCTATGGGCTGCAAACGGCAGCGTTGAGCAGTG
CAATGTTCAATGATGGGCTCAAGTGTGGGTTCGTGCTATGAGATCAGATGCACTGG
GGAAGCCAAGTGGTGCCTCGGAAGGCGACGCTCCATAGTTGTGACTGCCACAAA
CCTATGCCCCCTAATTGGGATCAACCCAGCGACAATGGCGGGTGGTGC AACCCG
CCCCGGCACC ACTTCGACCTCGCCATGCCGGCATTCTCACCTTGGCCAAGTACG
AGGCCGGGATTGTCCCGTGGCCTATCGCAGGGTCCCTTGCAAGAAGAAGGGGG
GAATGCGATTCACTATAACGGGACACCAGTACTTCAATTTGGTGTCTCGTGTGGAA
CGTGGGGGGTGC CGGAGACATTGTGAGGATGCGTGTGAAGGGCAAAAAGATGGG
GTGGGTTCGACATGAAGCGCAATTGGGGTCAA AATTGGCAATCAGATATCGACCTC
ACAGGCCAGTCTCTCTTTTAGGGTCACTACCAGTGATGAGAGGGTGTCCACTT
CTTGGCATGTTGTCCCCCGAGTTGGCAATTTGGCCAGACCTTCATTAGCAAGAA
GAACTTCAGGGCCAAGTGA

Nucleotide

>AtrEXPA-09

ATGGCGCTTTCGATGCCCTTCTTGTTGTTGCTTCTGCTCTTGTCTCTTCTGTTGTTT
GGCGATGCAAAGAAGTACGGCCAATACAGAGGCGGGAAATGGAAGCATGCTCAC
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ATTGTATACATTTCTTTTTTATTTTGTTCGAAAGGGATTGTGTATGAGACTTTTTTTT

ATATAAAAGTAGCTATTTTGCAATGGGGTGCGGCACGCGGACAGGGTGTTCATT
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AGTTTGCCACTTGAGTGGTGCATGGTTCATCTCGACCGTTCATTGTTGATGACAAA
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TATATTGTGATCCATATGTCATAAAACAAAGTGTCCATTACTTTCACATCAATGAT
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TTCTGTCAATCAGACGGATATCGATGGCACTCATGACCATAGGTTTTCTTGTGTTT
TATAGATTATTCTTTTCATTTTTTTGGTTTATTTCAGTAGAGAAGACAGGCCCTAT
TCATTTTTTCAAGTATTAAGAAATAACTTTTTGAAAGTGTTAGTAGGGTGGTGTTA
GTGGTAGGGATGAAAACACAACGTGGTGACTAAAGTGAGGGGGTGGCCATCACC
ACAACCCAGCCTGTCCCTATAATTGTTATTGTCCTATAGAAATATCCCTCCATGA
ACACATATGACCATGGATTTTCTACAATCATACGGATCATATTATAGTGATATGG
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CTGCCTATATGTCTGGTTTGTGGATGACACTTGCAGGGGGAGCCTGTGGGTATGG
AGACCTGAACCAGCAGGGCTATGGGCTGCAAACGGCAGCGTTGAGCAGTGCAAT
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CGGGACACCAGTACTTCAATTTGGTGCTCGTGTGGAACGTGGGGGGTGGCCGGAGA
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TTTAGGGTCACTACCAGTGATGAGAGGGTGTCCACTTCTTGGCATGTTGTCCCCC
GAGTTGGCAATTTGGCCAGACCTTCATTAGCAAGAAGAAGTTCAGGGCCAAGTGA