

IDENTIFICATION

Species: *Nicotiana tomentosiformis*

Locus: XP_009594696

Gene Model: XP_009594696.1

Description: NtmEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

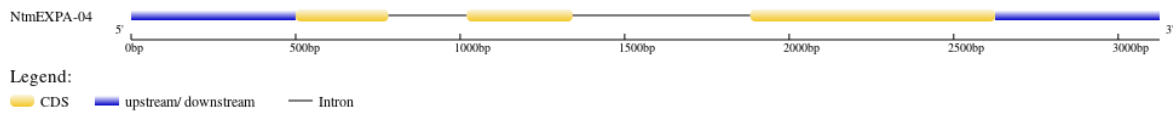
NCBI: <https://www.ncbi.nlm.nih.gov/genome/?term=Nicotiana+tomentosiformis>

KEGG: <https://www.genome.jp/entry/gn:T05025>

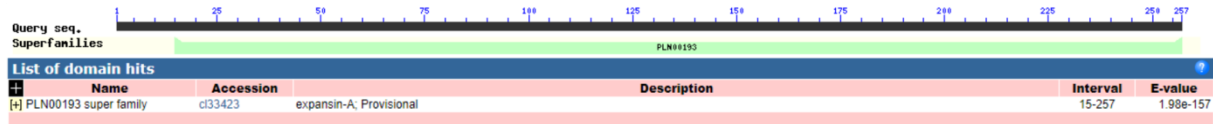
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>NtmEXPA-04

MANNGILTLGFIMCLCTFLSANGFSADSGWSSAHATFYGGADASGTMGGACGYGN
LYSTGYGTRTAALSTALFNDGGSCGQCYKIICDYKADPAWCKKGVSVTITATNFCPP
NYNLPSNNGGWCNPPRPHFDMAQPAWEKIGIYKGGIVPVLYKRVPCKKKKHGVRFTI
NGRDYFELVLVSNVAGAGSVQSVQIKGSNTNWLMSRNLWGASWQSNAYLDGQSISF
KVTTTDGVTKTFLNVVPAGWKFGQTFSSHTQF

CDS (coding sequence)

>NtmEXPA-04

TGCAGCGATCACATGTGAGGTGGTTGTATTCAATAAACAGTGCACCTATTTAAGT
AGCAATTACTTTTCTTGGTTATGTCAGTACTGCAGAAAAGTTTATCATAGTTCCAA
TTCCTCAATTTTCTTCCACTAAGAAAATGGCCAACAATGGCATTCTAACACTGGG
ATTCATAATGTGTTTGTGCACCCTTTTCTTAAGTGCGAATGGTTTTTCAGCAGATT
CTGGATGGTCAAGTGCTCATGCCACATTTTACGGTGGAGCTGATGCTTCTGGCAC
AATGGGGGGTGTGTTGTGGATATGGAACTTGTATTCAACAGGGTATGGAACAAG
GACAGCAGCATTGAGCACTGCATTGTTCAATGATGGAGGATCCTGTGGCCAATGC
TACAAAATCATCTGTGATTATAAGGCAGACCCGGCGTGGTGCAAGAAGGGAGTG
TCTGTTACAATTACAGCTACAACTTTTGCCACCAAATTACAATCTTCCTAGTAA
CAATGGAGGCTGGTGCAATCCCCCTCGTCCTCATTTTGACATGGCTCAACCTGCTT
GGGAAAAGATTGGCATTTACAAAGGAGGCATTGTTCTGTGCTCTACAAAAGGGT
TCCTTGCAAGAAGAAGCATGGAGTTAGATTCACAATCAATGGAAGAGACTATTTT
GAACTAGTCTTGGTAAGCAATGTAGCAGGGGCTGGATCTGTTCAATCTGTTCAA
TCAAAGGCTCAAACACAACTGGTTGTCCATGTCTAGGAATTGGGGAGCAAGTTG
GCAATCCAATGCATATCTTGATGGACAATCTATATCTTTTAAGGTCCTACCACCG
ATGGTGTCAAAAAACATTCTTAAATGTTGTTCCAGCTGGTTGGAAATTTGGACA
GACATTCTCAAGCCCACTCAGTTCTGAAATACAGAAAATGCTCAAAGAATATGA
TTTTAGAGTTCTTGGGTTCTTAGGCAGCGGCGTGCTTACTTTTTACAGAAAGCAGC
CCGCCATTTTTCTTTTGCTTTTATTTCAGATATATATATTATTGGAGAAAGAGAAT
CTCAAGGAGGAATTGAAGATTAATTCTGGCCGAGTGGCTTGACTATTGTGGAGTT
GGTGGTCTGGTCCAAATAAAGCTGGTGAATAACAGAAAACAATTACGTATTGGTT
TAAGTAGGGCAGTTCATAATTTTGCATTTTACGATATGAAAGGATGAATAAGACA
GTTGCATAATTATACTTTTGATTTCCCCTTTCCTGTATTCTTGTAATATGACCATT

TCTTGTAATACATCTTGTACCAAATATTCCTGTTTATCATTTCAGTACAAATATTT
CTGTCTTGTAGCAATGAAA

Nucleotide

>NtmEXPA-04

CTGATGTAGAAAGTAATAAGCAGCTCCCTAGCTATAATAAAAATGCTCCTATTAAA
TTAGACTTGGAAAACAAGTATACAAATGACAGAGGCCTCACCACATGTGCATTTA
CAGATAATAATGATAAGACAGAACTCAGAAGCATGTAGGTCAATCAAAGCCATG
TGAGGTAACATCACAATTTGACAGAAGAATTATTCTCTACTTGGTAATGGAACAC
TGAATGTGTTAGCTAGCTTTATTTTCGTAAGGAACCAAGAAAGAACATTAGAAAAA
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CAGCCCGCCCATTTTTCTTTTGCTTTTATTCAGATATATATATTATTGGAGAAAGA
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