

IDENTIFICATION

Species: *Nicotiana tomentosiformis*

Locus: XP_033509441

Gene Model: XP_033509441.1

Description: NtmEXPB-04

Family: Beta Expansin

3D structure:



GENOME DATABASES

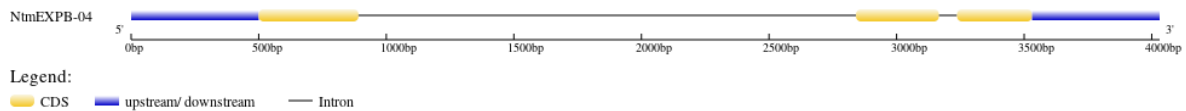
NCBI: <https://www.ncbi.nlm.nih.gov/genome/?term=Nicotiana+tomentosiformis>

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

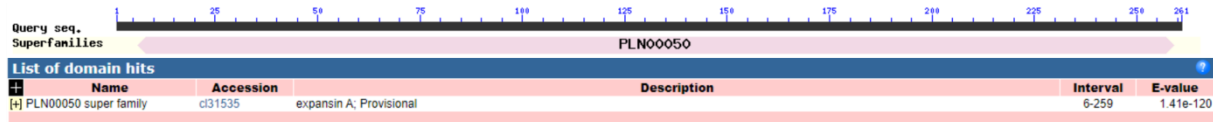
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>NtmEXPB-04

MASMGVITSIIGLIFLVSLVEARIPGVYSGGSWQTAHATFYGGSDASGTMGGACGYG
NLYSQGYGVNTAALSTALFNGLSCGACFEIKCTNDPNWKWCLPGSPSILITATNFCP
PNYAKPNDNGGWCNPPRSHFDLAMPNFLNIAQYRAGIVPVTYRRIPCRKRGGIRFTIN
GFRYFNLVLITNVAGAGDIKVVVKGSKTNWISLSRNWQNWQSNVLTAAQSLFR
VKASDHRSSTSWNIVPSHWQFGQFTGKNFKV

CDS (coding sequence)

>NtmEXPB-04

AGAAGATATTTTCATGATTTTCTTTCACGTCTGTTCTCTCTCTTCTCCCCTGCCTCCA
TAAGTACTAGTTCGCCTTCCCAATTTTCTTCACTCCCAACTTCAATTCCTCTCACAC
TAAGATATCCATTTTGGCTATCAAAGAAATGGCTTCAATGGGAGTCATCACTTC
CATTATTGGTCTAATTTTCTCGTTTCTTGTGTTGAAGCAAGAATCCCTGGTGTTTA
TTCTGGTGGTTCTTGGCAGACTGCTCATGCTACATTTTATGGTGGCAGTGATGCTT
CCGGAACTATGGGTGGTGCATGTGGTTACGGCAATTTGTACAGCCAAGGGTACGG
AGTGAACACTGCAGCGCTGAGCACAGCTTTGTTTAAACAATGGGTAAAGTTGTGGA
GCTTGCTTTGAGATTAAATGCACTAATGATCCCAACTGGAAGTGGTGTCTCCCCG
GAAGCCATCCATTTTAATCACTGCCACCAATTTCTGCCACCAAACACTACGCAA
GCCAACGACAATGGTGGATGGTGAATCCTCCACGTTCTCACTTTGATCTTGCC
ATGCCTATGTTCTCAACATCGCCAGTACCGTGCTGGCATTGTTCCCGTACTTA
TCGCCGATACCATGCCGAAAGCGAGGAGGAATCAGATTCACAATCAATGGCTT
CCGTTACTTCAACTTGGTATTGATCACCAACGTGGCGGGTGCAGGAGACATAATA
AAGGTGTGGGTGAAAGGGTCAAAGACTAACTGGATTTCCCTGAGCCGCAACTGG
GGTCAAATTTGGCAATCAAACGCTGTCTTACTGCTCAATCCCTCTCTTTCAGGGT
CAAAGCCAGTGACCATCGCTTCTACTTCATGGAATATTGTCCCTTCTCATTGGC
AATTTGGCCAAACTTTCCTACTGGAAAGAATTTCAAAGTCTAAAATTATTACAATT
GAAGATTTGACTGGCTATTTTCCCTACTCTATTTTAAAAATTTTGCTCCCATTTTAT
TGTTCCAAA

Nucleotide

>NtmEXPB-04

GATGGGGTGG AATAATAATCCCTAGATTAATTATTCTAGAATAAAAATAGTAAAAT
TGACAATGTTAG AATTAATACAACAAAAATAATCTTAGTACA ACTAATCTCATCA
TAACTTGTCTTC GGATCAAACACCTCTAATAGTACATGCTTAAAACATACTTGTA
GTAACATTACGATAG TTTATATTTTAAGATTTTTTTTTATCGAGATTGTCCAAAAAT
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ACAATGCCAGCACGGTACTGGGCGATGTTGAGGAACATAGGCATGGCAAGATCA
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ACCAGAATAAACACCAGGGATTCTTGCTTCAACAAGAGAAACGAGGAAAATTAG
ACCAATAATGGAAGTGATGACTCCCATTGAAGCCATTTCTTTTGATAGCCAAAAT
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GAACTAGTACTTATGGAGGCAGGGGAGAAGAGAGAGAACAGACGTGAAAGAAA
ATCATGAAATATCTTCTCCTTAATTATGCCTATAGGCCCTATAACCCTATTTGGTCC
TCCTTAATCAAGGGAGATATTGGCGGAAAGTAAACAATACCAAAATTCAACCTCT
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GATAGTCATGGCTTTGCGGGCAATGTGGGAAATTCATGGCGTGAGAATATATATT
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AATCCCATCCTTCTTTTTTAAGATTCCCGTCATTGTCCGATATTA AAAAGCTTAGAG
AATGTAATATTACA