

IDENTIFICATION

Species: *Nicotiana sylvestris*

Locus: XP_009762738

Gene Model: XP_009762738.1

Description: NsEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

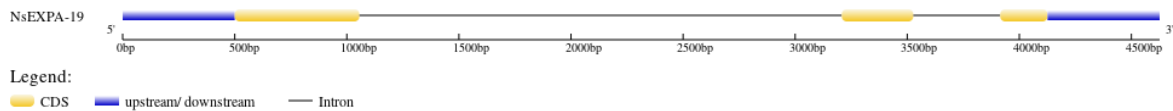
NCBI: <https://www.ncbi.nlm.nih.gov/genome/?term=Nicotiana%20sylvestris>

KEGG: <https://www.genome.jp/entry/gn:T05026>

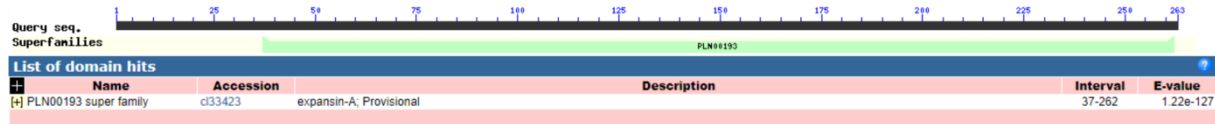
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>NsEXPA-19

MAINDQKQYHHFPFLFLLFLAICLQHSCGYSHNGGHSWNNNAHATFYGGADASGTM
GGACGYGNLYSQGYGTNTAALSTALFNSGLSCGSCYELKCNVNAEHRWCLAGIITV
TATNFCPPNYAPANNGGWCNPPLQHFDLAEPFLKIALYRAGIVPVLYRRVSCRKK
GGMRFTINGHSYFNLVLITNVGGAGDIRSVAIKGSRTGWQDMSRNWQNWQSHSYF
NGQSLSFKVTASNGKTITSYNVAPANWQFGQTFEGGQFP

CDS (coding sequence)

>NsEXPA-19

CCAACCATAAAACAGTACTCAATACAATCAATAAGTAACAAAATGGCTATTAATG
ACCAAAGCAATATCATCATTTTCCATTTCTTTTCCTCCTTTTTCTTGCAATATGTT
TGCAAACTCTTGTGGATACTCTCACAATGGAGGGCATAGTGGTTGGAACAACGC
CCATGCAACATTCTATGGTGGTGTCTGATGCTCCGGTACAATGGGTGGAGCATGT
GGATATGGCAACTTGTATAGCCAAGGTTATGGTACAAACTGCAGCCTTGAGTA
CTGCACTCTTTAACAGTGGGTTGAGTTGTGGTTCTTGCTATGAACTCAAGTGCAAT
GTAAATGCAGAGCATCGATGGTGTCTAGCTGGTATTATCACTGTCACAGCCACCA
ATTTCTGCCCCGCAAATTATGCACCGGCTAATAATAATGGTGGCTGGTGCAATCC
CCCTCTTCAACACTTTGATTTGGCTGAGCCTGCTTTCTTGAAAATTGCTCTATATA
GAGCTGGCATTGTCCCTGTCCTTTATAGAAGGGTGTCTTGCAGGAAGAAAGGAGG
AATGAGGTTCAACATTAATGGCCATTCCTACTTTAATCTTGTATTGATAACCAACG
TTGGAGGTGCTGGAGACATCCGATCAGTGGCCATAAAAGGATCAAGAACAGGAT
GGCAAGACATGTCAAGAAATTGGGGTCAAATTTGGCAGAGTCACTCTTACTTTAA
TGGCCAAAGCCTTTCTTTCAAAGTCACAGCAAGTAATGGCAAGACAATTACTAGC
TACAACGTCGCTCCTGCCAATTGGCAATTTGGTCAAATTTGAAGGAGGTCAAT
TCTAAAATAAGTTACATGTTTTGATACTCAGCCAGTGCTTTTAAGGAGGTCTTTAT
TTTTCAAACAATATATGTACGTACGAAGTTATTTTCGTCAAAAAGAAAGTGAAA
GGTCGGAATTAAGTGTCTATGCCCTGTTGATTAGTGTGCGCAAATTTATAATGCTAG
GTCTAACGACAGCACCTGGCAAGAATTACAACAATGAATGTAGAAACATGTTT
ATGTTATATATTTTAATTGATGTGAATATATTATTA

Nucleotide

>NsEXPA-19

