

## IDENTIFICATION

**Species:** *Mimulus guttatus*

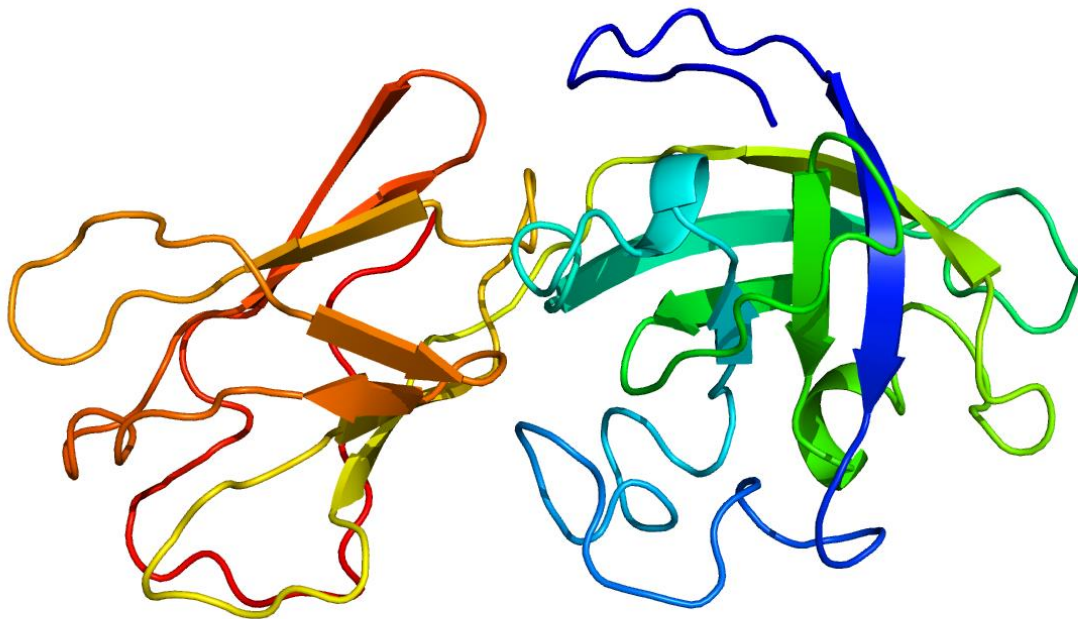
**Locus:** Migut.B00829

**Gene Model:** Migut.B00829.1.p

**Description:** MgEXPA-01

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Mguttatus\\_v2\\_0](https://phytozome-next.jgi.doe.gov/info/Mguttatus_v2_0)

KEGG:-

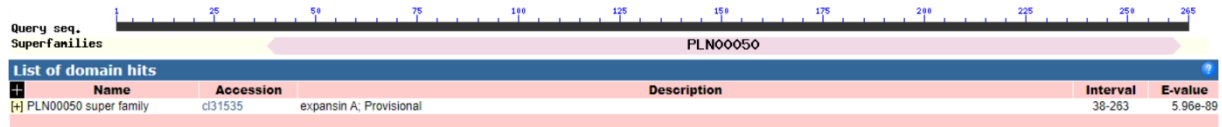
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>MgEXPA-01

MPIERPRLLTLTSLSSAVLVGCHYFPSTPSAASQSDWKSARATYYAAADPIDAVG  
GACGYGDLRSNGYGKATAGLSTVLFKQICGACFEIRCVEDLRWCIPGTSIIVTATN  
FCAPNYGFDADGGGRCNPPNSHFVLPFIESFEKIAIWKASNMPVQYRRIRCRKEGGVRF  
SMGGAGIFLSVLISNVAGAGDVA AVKIKGSVTGWLPMGRNWGQNWHINADLKNQP  
LSFEITSSDGITLTSYNVAPKNWDFGQSFEKGQFD\*

### CDS (coding sequence)

>MgEXPA-01

ATGCCAATAGAGCGCCCCCGCCTCATCCTACTAACCCTCACACTCTCACTCTCGTC  
GGCGGTTCTCGTCGGCTGCCACTACTTCCCCTCCACCCCTTCCGCCGCTTCCCAGT  
CCGACTGGAAATCCGCCC GGCAACCTACTACGCCGCCGCGGACCCCATCGACGC  
CGTCGGCGGCGCGTGCGGCTACGGTGACTTGTCCAGGAACGGGTACGGCAAGGC  
CACCGCCGACTCAGCACCGTCTCTTCGAGAAGGGCCAGATCTGCGGCGCCTGC  
TTCGAAATCCGCTGCGTGGAGGACCTCCGGTGGTGCATCCCGGGAACCTCAATCA  
TCGTCACCGCCACGA ACTTCTGCGCCCCA ACTACGGATTCGACGCCGACGGCGG  
CGGTCGGTGCAACCCGCCGA ACTCGCACTTCGTCTCCCAATCGAGTCGTTTCGAG  
AAGATCGCCATTTGGAAGGCGTCCAATATGCCGGTCCAGTACCGGAGGATCAGGT  
GCAGGAAGGAGGGAGGGGTCCGGTTCAGCATGGGCGGCGCCGGAATATTCCTGT  
CGGTGCTGATTAGCAACGTCGCCGGCGCCGGAGACGTGGCGGCGGTGAAAATCA  
AGGGCTCCGTAACGGGGTGGCTTCCGATGGGGAGGAATTGGGGGCAAAATTGGC  
ATATAAATGCGGATTTGAAGAACCAGCCGCTGTCGTTTCGAGATTACGAGCAGTGA  
TGGAATCACACTTACTTCTTACAATGTTGCCCCCAAGAATTGGGATTTTCGGACAG  
TCTTTCGAAGGTAAGCAGTTCGATTAA

### Nucleotide

>MgEXPA-01

TTTTTCTCTTTTCAGTTTGAAAAATAAAGCACTAAAATTAGTAAAGGCAAACAA  
AGTAATGAACAAATAAGTATTA AAAATCTCAAAGTGTCTGCTGCTCCTTCCGCCG  
CTCCGCTCCGCCCTCCGCCGCGTTCAA AATGCCAATAGAGCGCCCCCGCCTCAT  
CCTACTAACCCTCACACTCTCACTCTCGTCGGCGGTTCTCGTCGGCTGCCACTACT

TCCCCTCCACCCCTTCCGCCGCTTCCCAGTCCGACTGGAAATCCGCCCGGGCAAC  
CTACTACGCCGCCGCGGACCCCATCGACGCCGTCGGCGGGCGCGTGC GGCTACGGT  
GACTTGTCCAGGAACGGGTACGGCAAGGCCACCGCCGGACTCAGCACCGTCCTCT  
TCGAGAAGGGCCAGATCTGCGGCGCCTGCTTCGAAATCCGCTGCGTGGAGGACCT  
CCGGTGGTGCATCCCGGGAACCTCAATCATCGTCACCGCCACGAACTTCTGCGCC  
CCCAACTACGGATTTCGACGCCGACGGCGGGCGGTCCGGTGCAACCCGCCGAACCTCG  
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CGCCGGAGACGTGGCGGGCGGTGAAAATCAAGGGCTCCGTAACGGGGTGGCTTCC  
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GCCGCTGTCGTTTCGAGATTACGAGCAGTGATGGAATCACACTTACTTCTTACAAT  
GTTGCCCCCAAGAATTGGGATTTTCGGACAGTCTTTCGAAGGTAAGCAGTTCGATT  
AATTCCTACTGAGTTTTTTGTGCGATATTTTTTTTGATGGGGAAGAAAGAGAGTGT  
TCTGTTCAAGTTCAGTTCAAGTCTGGTAATTTATTGTATAATAGTAATATTGGATGT  
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TTTTTGACATTTTTTTGGGTAAATTATAATCAACCCTGACCTAAGATT