

IDENTIFICATION

Species: *Mimulus guttatus*

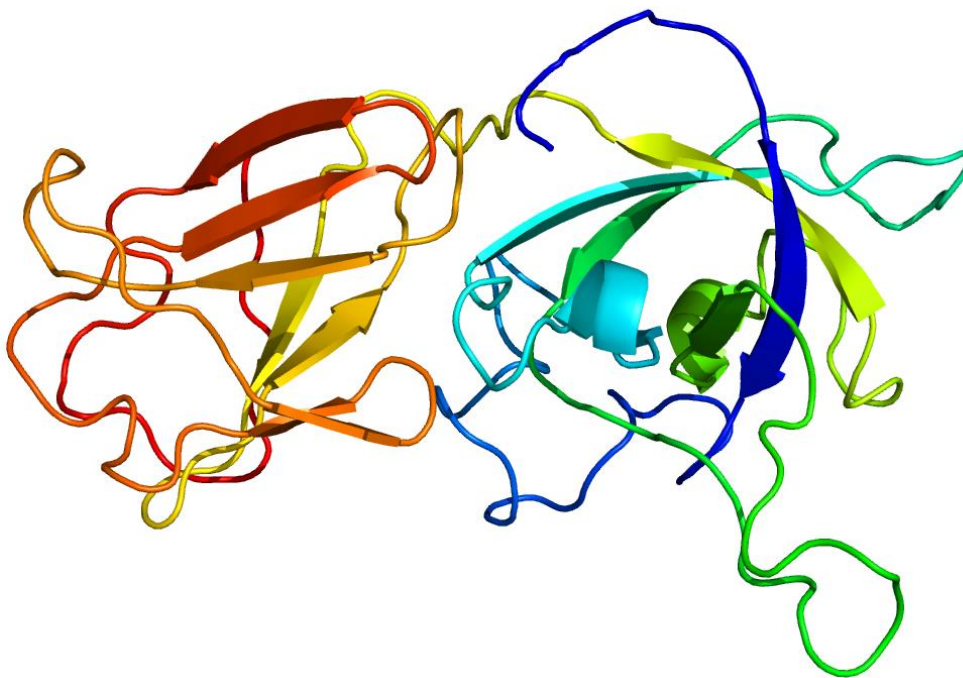
Locus: Migut.F00603

Gene Model: Migut.F00603.1.p

Description: MgEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Mguttatus_v2_0

KEGG:-

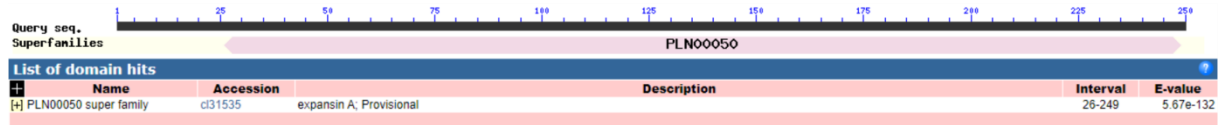
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MgEXPA-09

MDVIISLLFFSFMGFCLTATYGDYGGWDTAHATFYGGGDASGTMGGACGYGNLYSQ
GYGTNTAALSTALFNGLTCGACYELSCASDPKWCLGGTITVTATNFCPPNPSPND
NGGWCNPPRQHFDLAEP AFLQIAQYRAGIVPVSFRRVPCKKKGGIRFTINGHSYFNLV
LVTNVGGAGDVHSVSIKGSNTGWQAMSRNWGQNWQSN SYINGQSLSFQVTTSDGR
TLTSNNAAPAGWQFGQTFTGSQF*

CDS (coding sequence)

>MgEXPA-09

ATGGATGTAATAATTTCTCTACTATTCTTCTCATTTATGGGATTTTGCTTGACGGC
AACTTACGGCGATTACGGTGGTTGGGACACCGCCCATGCTACTTTCTACGGCGGC
GGAGATGCTTCCGGCACAATGGGAGGTGCTTGTGGGTATGGAACTTGTATAGCC
AAGGCTACGGCACCAACACCGCCGCACTCAGCACCGCTCTCTTCAACAACGGCTT
GACATGTGGCGCATGTTACGAACTATCGTGCGCCTCCGACCCGAAATGGTGCCTA
GGTGGCACAATCACCGTCACCGCCACCAATTTCTGCCACCTAACCCTTCTCTGCC
TAATGACAACGGCGGCTGGTGAACCCTCCCCGCCAGCATTTCGATTTGGCGGAG
CCCGCTTTCTTGCAAATCGCCAATACAGAGCCGGAATCGTTCCCGTTTCCTTCCG
AAGGGTGCCTTGCAAAAAGAAGGGAGGGATCAGATTTACGATCAACGGGACTC
GTACTTCAATTTAGTGCTCGTCACGAATGTCGGTGGTGCAGGGGACGTCCACTCA
GTTTCGATTAAGGTTCCAACACCGGATGGCAAGCGATGTCGAGAACTGGGGG
CAAACTGGCAGAGCAATTCGTACATCAACGGCCAGAGCCTGTCGTTTCAGGTCA
CCACGAGCGACGGCAGAACGCTTACTAGCAACAACGCCGCGCCCGCGGGCTGGC
AGTTCGGGCAAACATTCACGGGGAGCCAGTTCTAA

Nucleotide

>MgEXPA-09

GTACAACCAAATTTAAAGTTCCTCAATCTCTCCAAATACATTATATACAACATTGT
ATATAATCTTCTCATCAATAATTAATTTGTGATGGATGTAATAATTTCTC
TACTATTCTTCTCATTTATGGGATTTTGCTTGACGGCAACTTACGGCGATTACGGT
GGTTGGGACACCGCCCATGCTACTTTCTACGGCGGCGGAGATGCTTCCGGCACAA
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CAATTTAGTTTACTAATAAAATTTATTGATTTAATAATGCAGGAGGTGCTTGTGGG
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CTCTCTTCAACAACGGCTTGACATGTGGCGCATGTTACGAACTATCGTGCGCCTCC

GACCCGAAATGGTGCCTAGGTGGCACAATCACCGTCACCGCCACCAATTTCTGCC
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CAGAGCCTGTCGTTTCAGGTCACCACGAGCGACGGCAGAACGCTTACTAGCAACA
ACGCCGCGCCCGCGGGCTGGCAGTTCGGGCAAACATTCACGGGGAGCCAGTTCT
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GAGAAAGAGAGAGAGAGAGGCTATGGGGTCTGGAAGTTGTGGCTCTGTTGCTGT
GGTTGCTGCTG