

IDENTIFICATION

Species: *Mimulus guttatus*

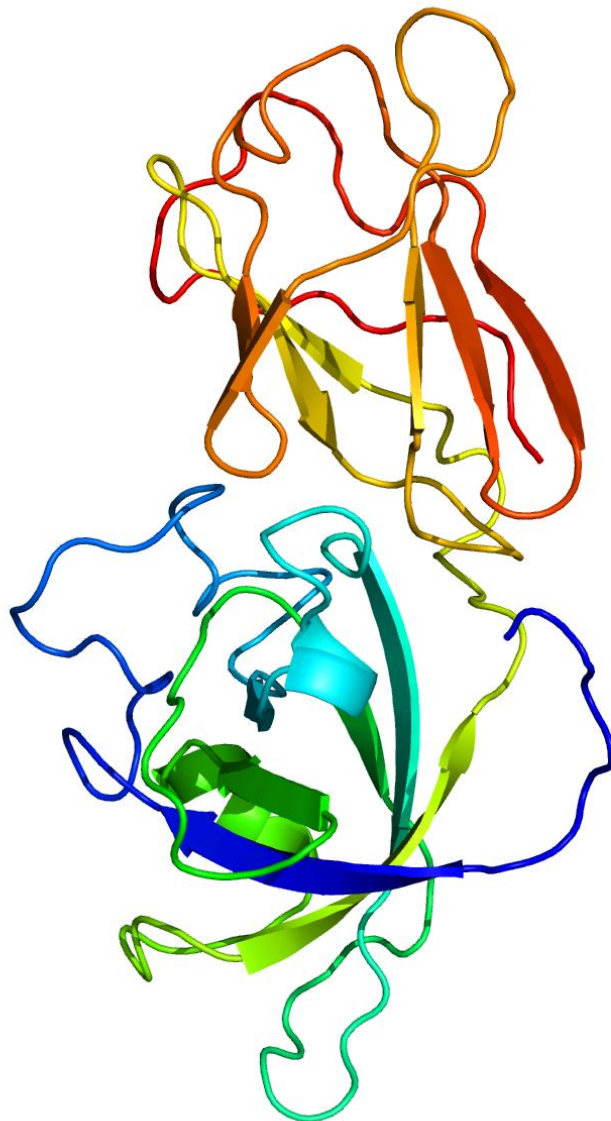
Locus: Migut.C00888

Gene Model: Migut.C00888.1.p

Description: MgEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

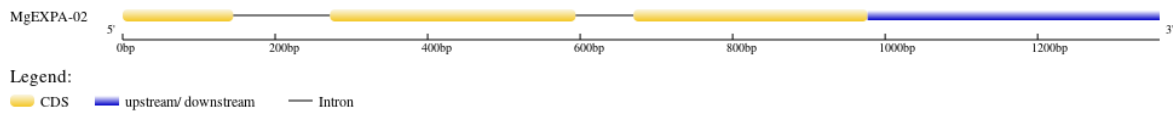
Phytozome: https://phytozome-next.jgi.doe.gov/info/Mguttatus_v2_0

KEGG:-

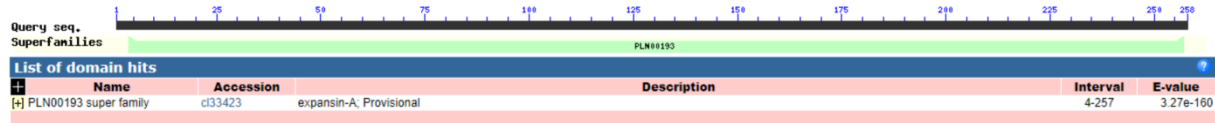
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MgEXPA-02

MEKKNVISSLVLIFGLCNLITNANALTASGWTKAHATFYGGSDASGTMGGACGYGN
LYTAGYGTRTAALSTALFNDGASCGQCFKIICDFKASPQWCRKGFSVTITATNFCPPN
NALPNDNGGWCNPPRQHFDMAQPAYEKIGIYQGGIVPIIYQRVPCVKRGGVRFING
RDYFELVTITNVGNAGSIRSVQIKGSKTGWMPLSRNWGANWQSNFLNGQSLSFMIT
TSDGLTKTFLDIAPSNWAFGQTFSSSVQF*

CDS (coding sequence)

>MgEXPA-02

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TTTCTACGGAGGTAGCGATGCTTCCGGAACAATGGGGGGTGGCTTGTGGGTACGGA
AATTTGTACACGGCGGGGTACGGTACAAGAACAGCAGCGTTGAGTACAGCACTA
TTCAACGACGGGGCATCGTGCGGTCAATGTTTCAAGATCATATGCGATTTCAAAG
CTAGTCCACAATGGTGTAGGAAGGGCTTTTCCGTAACATAACCGCAACAACTT
CTGCCCCCGGAATAATGCTCTTCTAACGACAACGGAGGGTGGTGCAACCCGCCA
CGTCAGCATTTTCGACATGGCTCAGCCCGCTTATGAGAAGATCGGCATCTATCAAG
GCGGCATCGTGCCATTATTTACCAAAGGGTTCATGCGTGAAGCGGGGTGGAGT
AAGATTCACAATCAACGGACGAGATTACTTCGAGCTAGTGACGATCACGAACGT
GGGGAACGCTGGGTCCATTAGATCGGTCAAATTAAGGGGTGAAAACCGGGTG
GATGCCTTTGTCAAGAAATTGGGGTGCTAATTGGCAATCCAATTCTTTTCTCAATG
GCCAATCTCTTTCTTTTCATGATCACAACCTTCTGATGGACTAACTAAAACCTTTCTTA
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TTGA

Nucleotide

>MgEXPA-02

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TCGGCATCTATCAAGGCGGCATCGTGCCATTATTTACCAAAGGTA CTTAATTGCT
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TCGGTCCAAATTAAGGGGTGAAAACCGGGTGGATGCCTTTGTCAAGAAATTGGG
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ACAACTTCTGATGGACTAACTAAA ACTTTCTTAGATATTGCCCTTCCAATTGGGC
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CACATTGTATTTAACCGTTTTTTTTGTTCGATTTAAATTACACGTCGAAAGATACGT
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AATTGTGATTTTTTCGTTTTTTATTTGTAAC