

IDENTIFICATION

Species: *Mimulus guttatus*

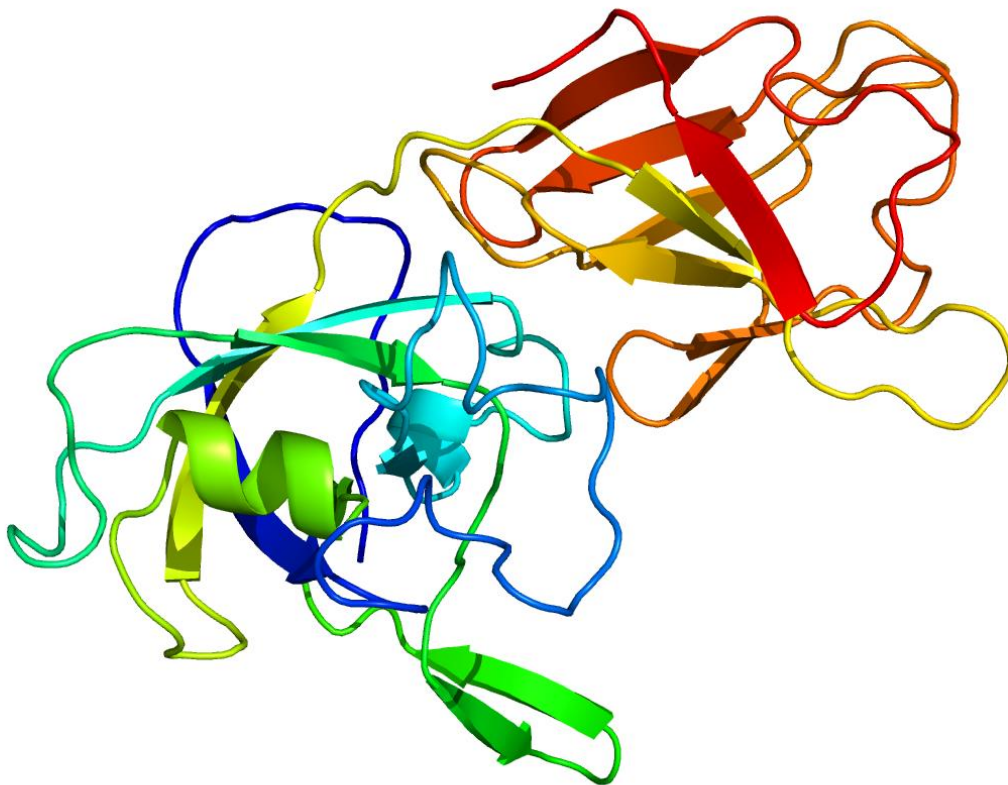
Locus: Migut.E01021

Gene Model: Migut.E01021.1.p

Description: MgEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

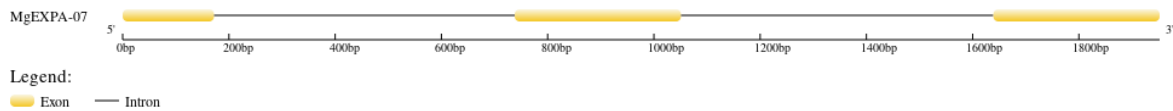
Phytozome: https://phytozome-next.jgi.doe.gov/info/Mguttatus_v2_0

KEGG:-

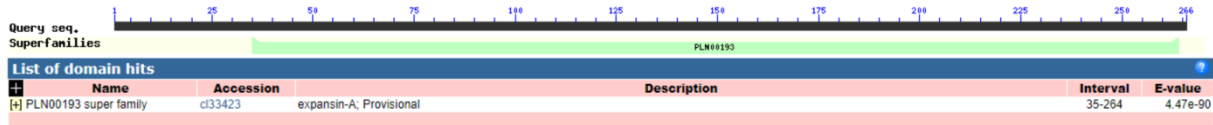
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MgEXPA-07

MASSLLHSLCLVSVFVLVTVVVGTASAAAYAPPGFRASAWELAHATFYGDSGGSAN
MGAACGYGNMISNGYGTNTAALSSVKFSNGYGCGQCFQLQCTNSPLCNRGAMVTV
TGTNLCPPNWAQDSNNGGWCNPPRTHFDMAQPAFTKIAQYKAGIVPVLFRRVACVR
SGGIRFQFQNGYWLLVYVMNVGGSGDVASMWVKGTKTNWISM SHNWGASYQAF
ATLGGQALSFKITSYTSHETIIAYNVAPANWQVGMTYGASVNR*

CDS (coding sequence)

>MgEXPA-07

ATGGCTTCTTCTTCTTTGCTTCATTCTTTGTGCCTTGTTAGCTTCGTCTTGGTGACG
GTGGTCGTCGGAACGGCGTCTGCGGCGGCGTATGCTCCGCCGGGATTTAGAGCTA
GTGCGTGGAACCTTGCCCATGCCACGTTTTACGGCGATAGCGGCGGTTCTGCCAA
TATGGGTGCGGCATGTGGGTACGGCAACATGATAAGCAACGGTTACGGGACGAA
CACGGCGGCGTTGAGTTCAGTGAAGTTCAGCAACGGGTACGGATGCGGGCAGTG
CTTCCAGCTCCAATGCACAAATTCGCCGTTGTGCAACAGAGGTGCTATGGTCACG
GTCACAGGCACTAATCTATGCCACCAAATTTGGGCACAGGACTCCAACAACGGC
GGGTGGTGCAACCCGCCCGTACCCATTTGACATGGCCCAGCCGCTTTCACCA
AGATTGCCCAGTATAAAGCTGGTATTGTACCCGCTTGTTCGCGAGAGTAGCATG
CGTGAGAAGCGGGGGGATCAGATTCCAGTTCAGGGGAACGGGTACTGGCTGCT
CGTATACGTAATGAACGTCGGAGGAAGCGGTGACGTGGCGAGCATGTGGGTGAA
GGGACGAAGACAACTGGATAAGCATGAGCCATAACTGGGGAGCTTCTTACCA
GGCATTGCAACACTAGGTGGACAAGCTCTCTTTCAAGATTACTTCTTACACTT
CTCATGAAACTATTATTGCTTACAATGTTGCCCTGCCAACTGGCAAGTCGGAAT
GACTTACGGCGCTTCCGTCAATTTCCGCTGA

Nucleotide

>MgEXPA-07

ATGGCTTCTTCTTCTTTGCTTCATTCTTTGTGCCTTGTTAGCTTCGTCTTGGTGACG
GTGGTCGTCGGAACGGCGTCTGCGGCGGCGTATGCTCCGCCGGGATTTAGAGCTA
GTGCGTGGAACCTTGCCCATGCCACGTTTTACGGCGATAGCGGCGGTTCTGCCAA
TATGGGTATGTTATTATTTTCGATTTAAATAACTTTTTATTTTCTTTTCACCATTT
ACTCTTTTTTTTTTCTTCAATTAATTTGCGGAGCCATATTTTTATATCAGAGTGGGC
TAAAATATACAGGGTTCCTAAGGAGCGTACCAAACTTTGTTTTTAGGATTTTT

ACCAAAAAAAAAAAGCATAAAATAAGTAAATATTTATAAAATTTAATTAATA
TCATAAATAAACTCTTTAAATACTAGATATATACCCAAAATATGATAGGTAAAAT
ATTCAAAACCTCTTTACTAGCTCTTTCCTATTTTAATTGTGGTTTTAGGCGAGTGT
ACACATATTAATAAAAAAAAAAATTGACGATAAATCTACGAAAAACCTAATAAAG
TTACTTAAATACCCCTCTCTTTACCTGTTGACTTAAATGCCCTTCCCTTTACGAGT
ATTAAGGGCAAACTATAAATAAAAAAGTATAATAAACACGTAATACGTGGCA
AACACACGCGCGCGCGCACACATATACATGTATTCTTAAATTTATTCTAAATACTT
GGATTGCATACAACAGGTGCGGCATGTGGGTACGGCAACATGATAAGCAACGGT
TACGGGACGAACACGGCGGCGTTGAGTTCAGTGAAGTTCAGCAACGGGTACGGA
TGCGGGCAGTGCTTCCAGCTCCAATGCACAAATTCGCCGTTGTGCAACAGAGGTG
CTATGGTCACGGTCACAGGCACTAATCTATGCCACCAAATTGGGCACAGGACTC
CAACAACGGCGGGTGGTGCAACCCGCCCGTACCCATTTTCGACATGGCCCAGCCC
GCTTTCACCAAGATTGCCAGTATAAAGCTGGTATTGTACCCGTCTTGTTCCGCAG
GTATTATTCTCTAGTTATGAATATCATCACTTCGATTTTTTTTTTTGGCAAATTACG
TCCACCACTGATGTGTGGCCAAATTACGAAAAATCTCTCTTGTGGGTAATTGCA
GCCACCCCTCTCATTTTAAATACTTTTATATAAAATTTATGTAATTCGGTAATTCA
CAAACCAAGTCGTATATTCAGTTCGGTAAACGGTATGAAATGTTGGCGTTCGGA
AATTCGGTTCGGTTTTACCGATTTAACATCCCTAAATTTACCTCTAGAGGGGTAT
TTTCATAAGATAATACATAGTTGAGGGGGTGGCGATAAATACCCAAACAAGAAG
GTTTTTTTCGTAATTTGAACATATAATTTGCCCTTGTAATTATTATGAAAAGGGTA
AATATCATATTTATAAATATACCCTTATGTTTTTAATATTTACTCATACCCCTAA
GCTCCTGTATCACCATTTTCCGGACATACTTTTTTCCCTTGTCATTTCCCTGTTTT
CCCGTATCGCCGTTTCTGTATCCATGCTACATAGTTCAAAGTCTCTTCATTTTCG
ACACATGATTAATATGTCTCAAATTACAGAGTAGCATGCGTGAGAAGCGGGGGG
ATCAGATTCCAGTTCAGGGGAACGGGTACTGGCTGCTCGTATACGTAATGAACG
TCGGAGGAAGCGGTGACGTGGCGAGCATGTGGGTGAAGGGGACGAAGACAACT
GGATAAGCATGAGCCATAACTGGGGAGCTTCTTACCAGGCATTTCGCAACACTAGG
TGGACAAGCTCTCTCTTTCAAGATTACTTCTTACACTTCTCATGAACTATTATTG
CTTACAATGTTGCCCTGCCAACTGGCAAGTCGGAATGACTTACGGCGCTTCCGT
CAATTTCCGCTGA