

IDENTIFICATION

Species: *Mimulus guttatus*

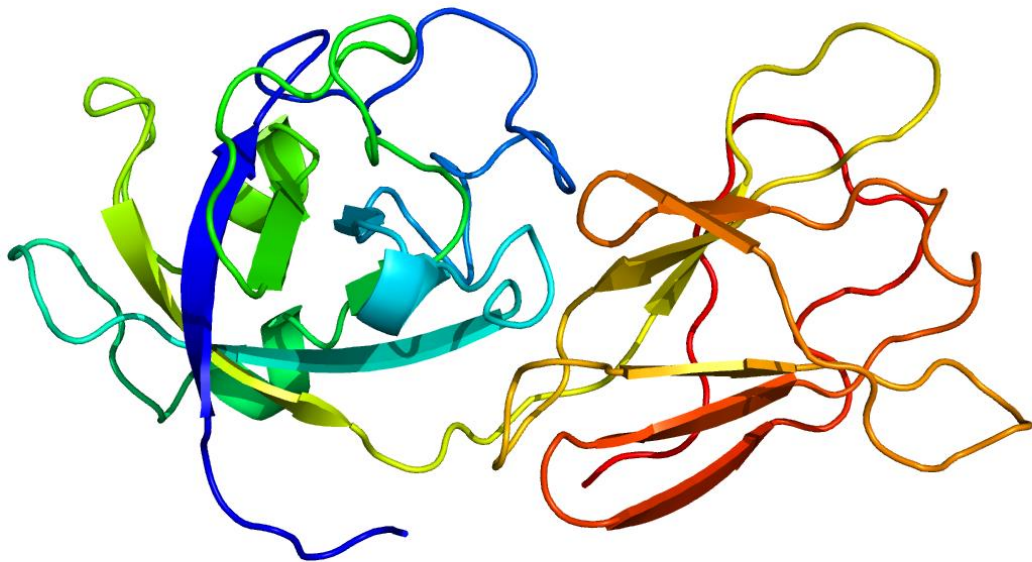
Locus: Migut.J00459

Gene Model: Migut.J00459.1.p

Description: MgEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

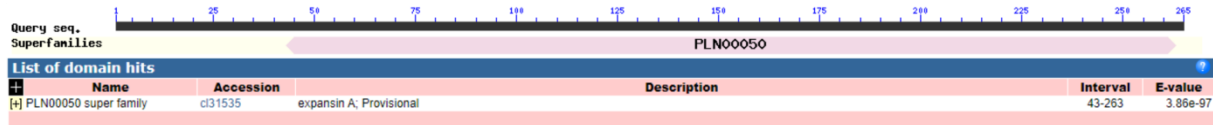
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MgEXPA-16

CQFICIPMAAILQGMLASSLMILVLVGPTSAHSHGPDFKVGWPWKDAHATFYGGADGS
GTMGGACGYDDLKKEGYGFNTTALSSALFNDGKACGSCYEIRCAKGNKWCKPGAS
SSIFVTATNFCPPGGTGCCNSPNEHFDLSQPAYLQIAEYKAGIVPVQYRRVPCKKRGG
VKLTITGNPYFNLVTVTNVGGAGDVTNVEVSGGKDLPWTKLSRNWGQKWETNAKL
VGHDLTFKVTTS DGKTVILQKVVPQNWQFSQTYEGQNFM*

CDS (coding sequence)

>MgEXPA-16

TGTCAATTCATTTGCATACCAATGGCTGCTATATTGCAAGGCATGTTGGCATCATC
ATTGATGATCCTTGTGCTTGTGGGGCCTACTAGTGCACATTCCCACGGGCCGGAC
TTCAAAGTCGGCCCCGTGGAAAGACGCTCATGCTACCTTTTATGGCGGAGCCGATG
GCTCGGGAACAATGGGAGGAGCATGTGGATACGATGACCTCGTGAAAGAAGGCT
ATGGGTTCAACACGACAGCATTGAGCAGCGCATTGTTCAACGACGGAAAAGCGT
GTGGCTCTTGCTATGAGATAAGATGTGCCAAAGGGAACAAATGGTGCAAACCAG
GGGCATCATCGTCCATTTTTGTCACTGCTACCAACTTCTGCCCTCCAGGTGGGACC
GGCTGCTGCAACTCGCCCAACGAGCATTTCGATTTGTCCCAACCCGCGTATCTTCA
GATTGCTGAATACAAGGCCGGCATTGTTCTGTTCATATCGCAGGGTTCCGTGC
AAGAAAAGGGGCGGAGTGAAATTGACCATAACGGGGAATCCTTATTTC AATTTG
GTGACAGTAACGAACGTGGGTGGTGCCGGAGATGTGACAAATGTGGAGGTGAGT
GGCGGTAAAGACTTGCCCTTGACAAAGTTGAGCCGTAATTGGGGCCAGAAATGG
GAGACGAATGCTAAACTCGTCGGACACGATCTGACATTCAAAGTCACCACAAGT
GATGGCAAACAGTAATTTTGCAGAAAGTTGTCCCTCAGAACTGGCAATTTAGCC
AGACTTATGAAGGCCAAAACCTTCATGTGA

Nucleotide

>MgEXPA-16

TGTCAATTCATTTGCATACCAATGGCTGCTATATTGCAAGGCATGTTGGCATCATC
ATTGATGATCCTTGTGCTTGTGGGGCCTACTAGTGCACATTCCCACGGGCCGGAC
TTCAAAGTCGGCCCCGTGGAAAGACGCTCATGCTACCTTTTATGGCGGAGCCGATG
GCTCGGGAACAATGGGTGCAACTCGCAATTTAATATATCTCTACTTATATTTTTTT
TTTCTATGAATCTTGAATAATGTTTGTATTA AAAAAAAAAAATGTATATAGGAGGAG
CATGTGGATACGATGACCTCGTGAAAGAAGGCTATGGGTTCAACACGACAGCATT
GAGCAGCGCATTGTTCAACGACGGAAAAGCGTGTGGCTCTTGCTATGAGATAAG

ATGTGCCAAAGGGAACAAATGGTGCAAACCAGGGGCATCATCGTCCATTTTTGTC
ACTGCTACCAACTTCTGCCCTCCAGGTGGGACCGGCTGCTGCAACTCGCCCAACG
AGCATTTCGATTTGTCCCAACCCGCGTATCTTCAGATTGCTGAATACAAGGCCGG
CATTGTTCTGTTC AATATCGCAGGTA CTTACTATTTTCATTTTTCTTTTTCCCTA
TATTATGATTGGAGTTTATTACATTTTCGAACCCCATGTGTTATGTCAAATTGTTAG
AGTAAACAAAGGGGTACTAAACGCAATATATTAAGGAGCTTTATTTATCGAATT
GTTTGGTTTATAGGGTTCCGTGCAAGAAAAGGGGCGGAGTGAAATTGACCATAAC
GGGGAATCCTTATTTCAATTTGGTGACAGTAACGAACGTGGGTGGTGCCGGAGAT
GTGACAAATGTGGAGGTGAGTGGCGGTAAAGACTTGCCTTGGACAAAGTTGAGC
CGTAATTGGGGCCAGAAATGGGAGACGAATGCTAAACTCGTCGGACACGATCTG
ACATTCAAAGTCACCACAAGTGATGGCAAAACAGTAATTTTGCAGAAAGTTGTCC
CTCAGAACTGGCAATTTAGCCAGACTTATGAAGGCCAAAAC TTCATGTGA