

## IDENTIFICATION

**Species:** *Mimulus guttatus*

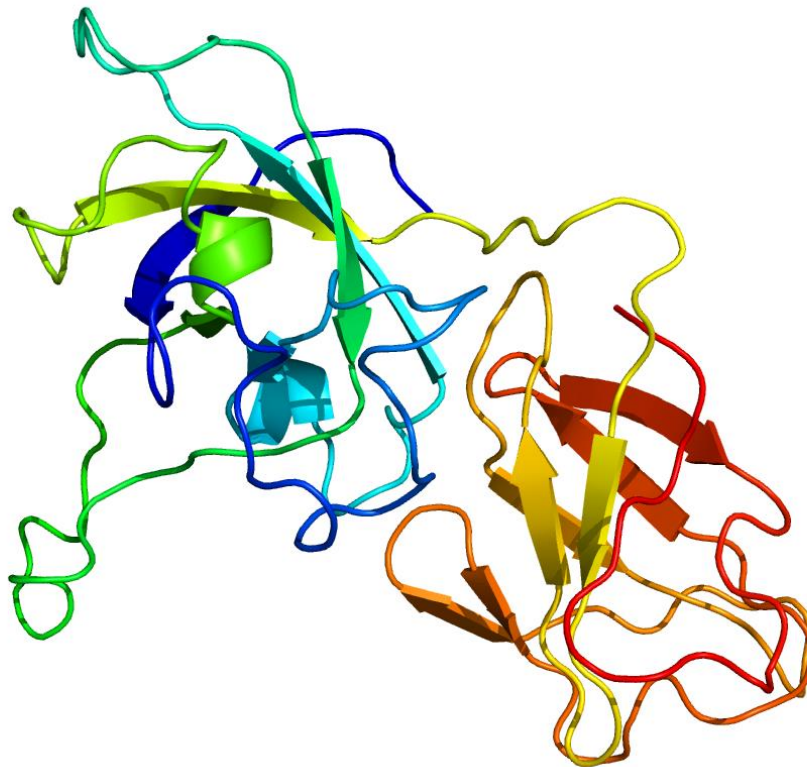
**Locus:** Migut.J00050

**Gene Model:** Migut.J00050.1.p

**Description:** MgEXPA-14

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

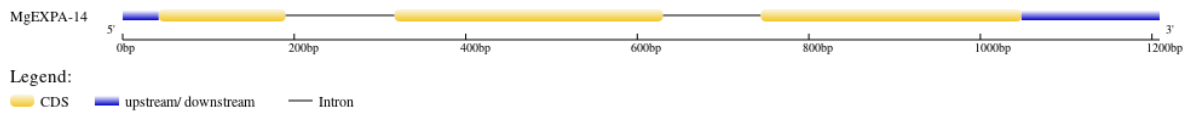
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Mguttatus\\_v2\\_0](https://phytozome-next.jgi.doe.gov/info/Mguttatus_v2_0)

KEGG:-

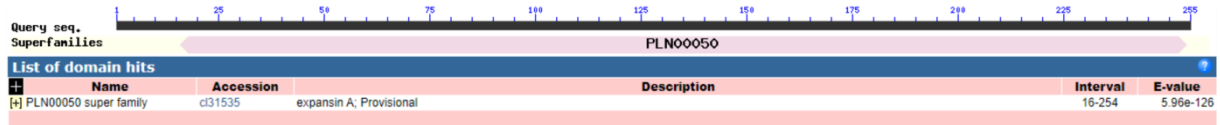
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>MgEXPA-14

MASTVQYRIKLLNLCVLVSLVHQVNGYGGGWQSAHATFYGGSDAAGTMGGACG  
YGNLYSQGYGTSTAALSTALFNNGLSCGACYQMKCNADPKWCRSSTITVTATNFCPP  
NYALASDNGGWCNPPRRHFDLAQPAFLKIAEYRAGIVPVVFRRVACA KKGGMRFIT  
NGHSYFNLVLITNVGGAGDVHTVSIKGSRTGWQPMTRNWGQNWQSN SFLDGGQSLSF  
RVIASDGRTLTANNIVPHGWQFGQTFEGPQF\*

### CDS (coding sequence)

>MgEXPA-14

ATGGCAAGCACAGTTCAATATAGGATAAAGCTACTGAATCTATGTGTGTTGGTTT  
CATGCTTAGTTCACCAAGTTAATGGATACGGCGGCGGTTGGCAAAGTGCCCATGC  
TACATTTTACGGCGGCTCTGATGCTGCCGGCACTATGGGAGGAGCATGTGGCTAT  
GGGAATTTGTACAGCCAGGGCTATGGTACAAGCACCGCAGCACTAAGTACTGCA  
CTGTTCAACAATGGGTTGAGCTGCGGCGCCTGCTACCAAATGAAGTGCAACGCCG  
ATCCAAAGTGGTGCCGCTCCTCCACCATAACCGTCACCGCCACCAACTTCTGCC  
GCCGAACTACGCTCTCGCCAGCGACAACGGCGGCTGGTGCAACCCCCCTCGCCGC  
CACTTCGATCTGGCTCAGCCCGCCTTTCTTAAAATCGCCGAGTACCGTGCTGGGAT  
TGTTCTGTGGTCTTTAGAAGAGTTGCATGCGCGAAGAAAGGAGGGATGAGGTT  
ACGATCAACGGCCATTCATACTTCAACTTGGTGCTTATAACAAATGTCGGTGGGG  
CAGGTGACGTACACACTGTATCCATTAAGGGCTCCCGCACAGGATGGCAGCCCAT  
GACAAGAACTGGGGGCAA AATTGGCAAAGCAACTCTTTTCTCGACGGTCAATCC  
CTCTCTTTCCGCGTCATCGCCAGCGACGGCCGACCCTCACCGCCAATAACATCG  
TCCCCACGGCTGGCAGTTCGGTCAAACCTTTGAGGGCCCACAATTCTAA

### Nucleotide

>MgEXPA-14

CACACACACACACACACACACGCACGCACGCGCGCAA AAGATGGCAAGCACA  
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CCAAGTTAATGGATACGGCGGCGGTTGGCAAAGTGCCCATGCTACATTTTACGGC  
GGCTCTGATGCTGCCGGCACTATGGGTATGTATACTTACACATTATTA AATTGATC  
AGAATCATATTGTCAAAAAAAGTGTATATAAAGATGCATTAAGTAGTGACCGG  
GCCGGTTCATAATTAATTACGAATATGTATGAATATATGCAGGAGGAGCATGTGG  
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TTAAACATCATGATTAATTAGGTCATATTATATAATGAATGATGCATGTGTTTATA  
TATAAAAATACGTACGCGATTTGCAGAGTTGCATGCGCGAAGAAAGGAGGGATG  
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ATGACTAATAATAATAAACATTTATGCATCTAAAAGTTGTAATTTATATA