

IDENTIFICATION

Species: *Capsella grandiflora*

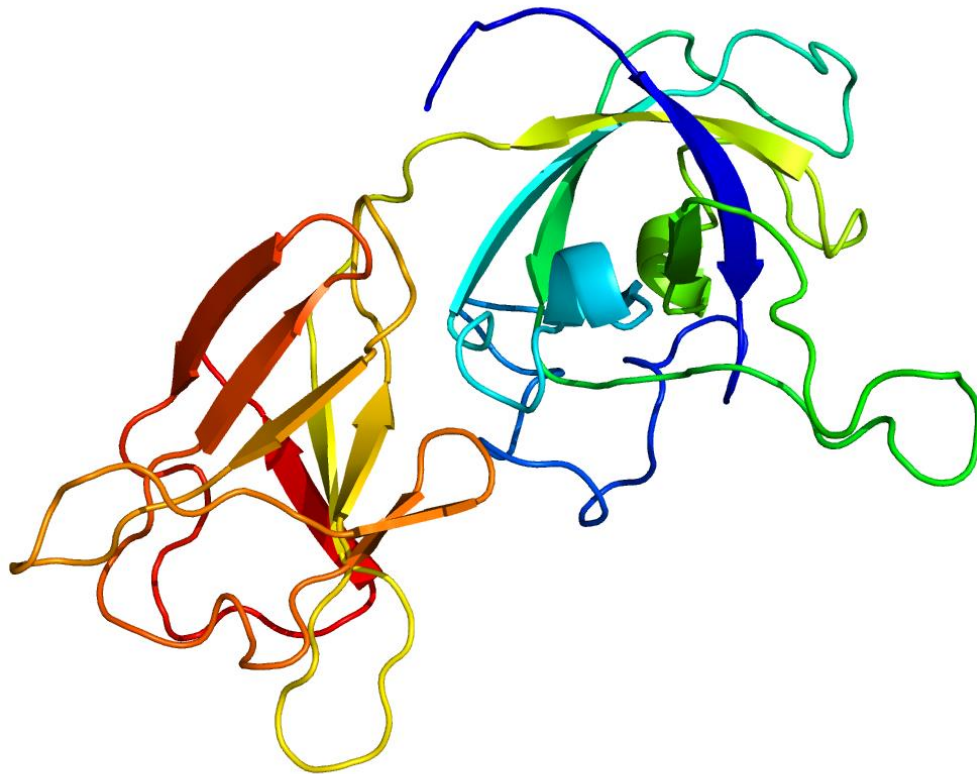
Locus: Cagra.1968S0031

Gene Model: Cagra.1968S0031.1.p

Description: CgrEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Cgrandiflora_v1_1

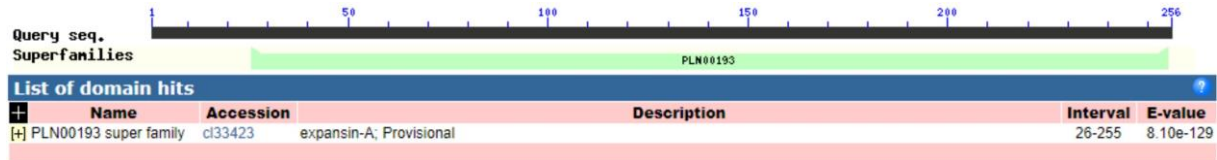
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CgrEXPA-16

MTRVLSSTIFLLAMFYTSMMISSVSAGWMQAHATFYGGSDASGTMGGACGYGNLY
TDGYGTNTAALSTALFNDGKSCGGCYQMVCDATKVPQWCLKGKWITITATNFCPPN
YALPNDNGGWCNPPRPHFDMAQPAFETIAKYRAGIVPVLRYKVGCRSSGGMRFMTN
GRDYFELVLISNVGGAGEISQVWIKGSKSNKWETMSRNWGSNWQTLTYLNGQSLSF
KIQTSNGKIKTALNVVPSNWQFGQSFKSNLNF*

CDS (coding sequence)

>CgrEXPA-16

ATGACGAGGGTTTTATCTTCTACCATCTTTCTCCTAGCGATGTTCTACACGAGTAT
GATGATCAGCTCAGTTTCTGCAGGTTGGATGCAAGCTCATGCAACCTTCTATGGC
GGAAGTGACGCTTCTGGTACAATGGGTGGAGCATGTGGTTACGGCAACCTCTACA
CCGATGGTTACGGAACAAACACGGCAGCGTTAAGCACTGCACTGTTCAACGACG
GAAAATCTTGTGGCGGTTGTTACCAAATGGTATGCGATGCAACAAAAGTGCCACA
GTGGTGTCTTAAAGGTAATGGATAACAATCACAGCCACAACTTCTGTCCTCCA
AATTATGCTTTACCAAATGATAATGGAGGTTGGTGTAAACCCTCCGAGGCCTCATT
TCGACATGGCTCAGCCTGCGTTTGAGACCATTGCTAAGTACAGAGCCGGAATAGT
CCCTGTTCTCTATAGAAAGGTCGGCTGTAGAAGAAGCGGAGGTATGAGATTCACA
ATGAACGGTAGAGATTACTTCGAGCTTGTCTCATATCAAATGTAGGAGGTGCAG
GTGAAATTTCCCAAGTATGGATCAAAGGCTCTAAAAGCAACAAATGGGAAACAA
TGTCAGAAACTGGGGATCTAATTGGCAAACCCTTACTTACCTTAATGGCCAAAG
TCTCTCATTCAAATCCAAACCAGCAATGGCAAATCAAGACAGCACTCAATGTA
GTTCCCTCGAATTGGCAGTTTGGTCAAAGCTTTAAGAGCAACTTAACTTCTGA

Nucleotide

>CgrEXPA-16

ATGACGAGGGTTTTATCTTCTACCATCTTTCTCCTAGCGATGTTCTACACGAGTAT
GATGATCAGCTCAGTTTCTGCAGGTTGGATGCAAGCTCATGCAACCTTCTATGGC
GGAAGTGACGCTTCTGGTACAATGGGTAAGTAAAGTTATTTTCTAGGCTTTCTTTC
TTCGTCCGGCAATGAAAACCCTCAAAGGTCCGAGTTCTCTCTTTAATCACAAAGAA
ATCAGTTACCCCTCTTGAGTTCGGTAATATCGGTTAGGATCAAATGCTACCTGGTC

GTATAGTACATAACCTTGACCGGTCTGAATTTTCAGGTGGAGCATGTGGTTACGGC
AACCTCTACACCGATGGTTACGGAACAAACACGGCAGCGTTAAGCACTGCACTGT
TCAACGACGGAAAATCTTGTGGCGGTTGTTACCAAATGGTATGCGATGCAACAAA
AGTGCCACAGTGGTGTCTTAAAGGTAAATGGATAACAATCACAGCCACAACTTC
TGTCTCCAAATTATGCTTTACCAAATGATAATGGAGGTTGGTGTAAACCCTCCGA
GGCCTCATTTCGACATGGCTCAGCCTGCGTTTGAGACCATTGCTAAGTACAGAGC
CGGAATAGTCCCTGTTCTCTATAGAAAGTAAGCAAATAATAACTAACTTAGATT
TTCTTGAATTTATTCAGCGTACAGCTAACAAAACCGATCAAATATTACTTTGGTTC
CTATAACCACACCTTAGATTACTTTCTAATAAGCCATATACTGGCTCTAACCAATA
TATGTATGTGTGGGCTAATATAAGGGTTCGTTGGGGATGATTATCGTGTAGGGTC
GGCTGTAGAAGAAGCGGAGGTATGAGATTCACAATGAACGGTAGAGATTACTTC
GAGCTTGTCTCATATCAAATGTAGGAGGTGCAGGTGAAATTTCCCAAGTATGGA
TCAAAGGCTCTAAAAGCAACAAATGGGAAACAATGTCAAGAAACTGGGGATCTA
ATTGGCAAACCTTACTTACCTTAATGGCCAAAGTCTCTCATTCAAATCCAAAC
CAGCAATGGCAAATCAAGACAGCACTCAATGTAGTTCCTTCGAATTGGCAGTTT
GGTCAAAGCTTTAAGAGCAACTTAACTTCTGA