

IDENTIFICATION

Species: *Capsella grandiflora*

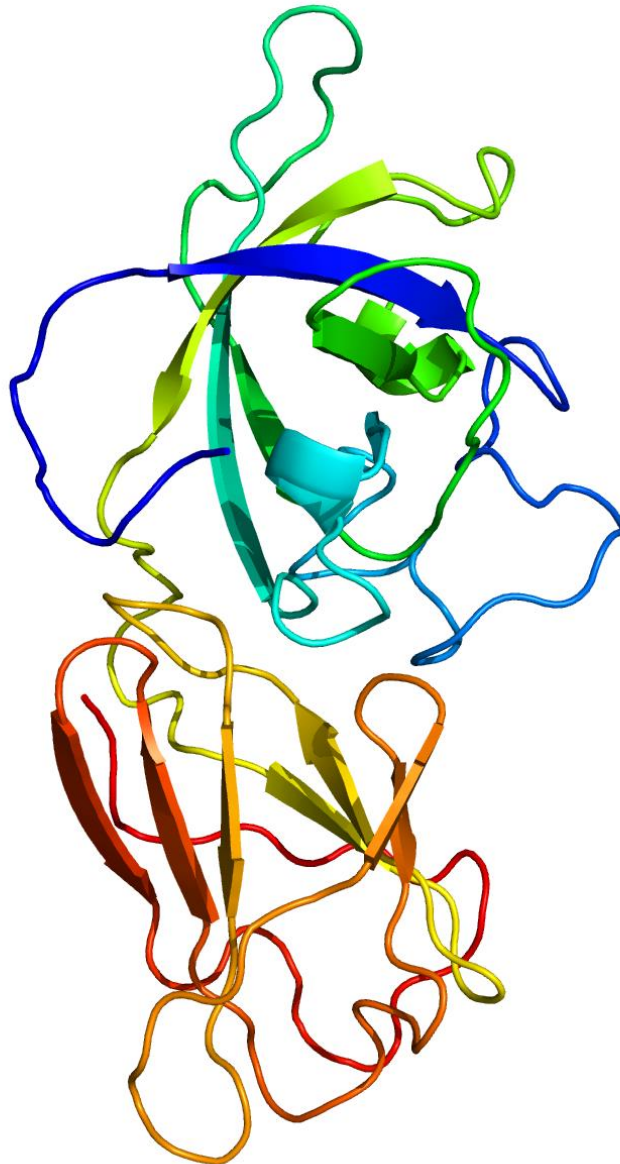
Locus: Cagra.7354S0003

Gene Model: Cagra.7354S0003.1.p

Description: CgrEXPA-21

Family: Alpha Expansin

3D structure:



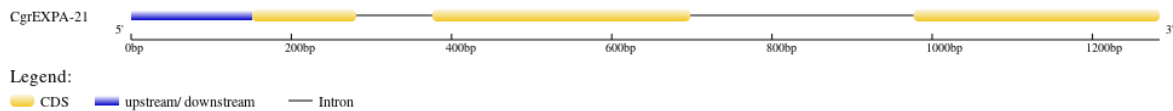
GENOME DATABASES

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

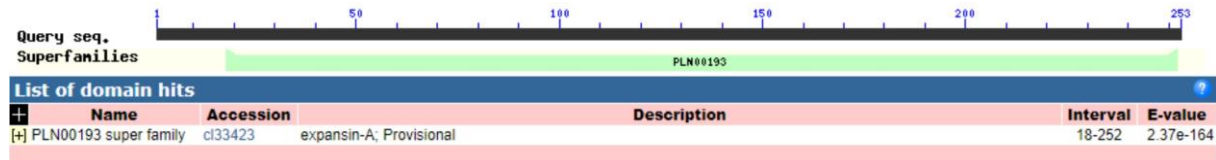
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CgrEXPA-21

MSNSLAGLAVLAALLIAVDAFKPSGLTNGHATFYGGSDASGTMGGACGYGDLYSAG
YGTMTAALSTALFNDGASCGEYRITCDYAADSRWCKKGASVVITATNFCPPNFALP
NNGGWCPPLKHFDMAQPAWEKIGIYRGGIVPVVFQRVSCYKKGGRVFRINGRDY
FELVNIQNVGGGGSIRSVSIKGSKTGWLMSRNWGANWQSNAYLDGQSLSFSITTTD
GATRVFLNVVPSWSVFGQIYSSHIQF*

CDS (coding sequence)

>CgrEXPA-21

ATGTCAAACCTCTCTAGCTGGCTTAGCGGTTTTGGCCGCTCTTTTGATTGCCGTTGA
TGCGTTTAAGCCGCTCTGGTTTAACAAACGGTCACGCTACATTCTATGGAGGAAGT
GACGCTTCTGGCACAATGGGTGGAGCTTGTGGTTACGGAGATCTTTACTCTGCGG
GGTACGGGACAATGACGGCGGCGCTAAGCACGGCTCTGTTTAACGACGGAGCTT
CTTGCGGAGAATGTTATAGGATAACGTGTGATTACGCGGCGGACTCACGGTGGTG
CAAGAAAGGAGCTTCCGTTGTCATTACGGCCACAACTTTTGGCCACCAAACTTT
GCTCTGCCTAACAAACGGTGGTTGGTGCAATCCGCCGCTCAAACATTCGACA
TGGCTCAACCCGCTTGGGAAAAGATCGGTATTTACAGAGGAGGCATTGTTCCCGT
CGTTTTCCAAAGAGTGAGCTGTTACAAGAAAGGAGGAGTGAGATTCAGAATAAA
CGGCAGAGACTACTTCGAGCTAGTGAACATTCAAACGTAGGAGGAGGAGGTTTC
GATTAGATCTGTATCCATTAAGGATCAAAGACTGGTTGGTTAGCCATGTCTCGT
AATTGGGGAGCTAATTGGCAATCAAACGCTTACCTCGATGGACAATCTCTGTCTT
TCTCCATTACTACCACCGATGGTGCTACAAGAGTCTTCCTCAATGTTGTTCCCTTCT
TCTTGGTCCTTTGGACAGATTTATTCTTCCCACATTCAGTTTTAA

Nucleotide

>CgrEXPA-21

CAACAGGCTAGATAAAAAGATAAGATCACATGTAAGGTTTTGTTGCTACTACATAG
TTTACACTCACTTCCCACCTTTATTTAAACAACTCTCTCTCCTTCACTCGATCATCA
TCATCATAAACTCTCTCTTCTTCGAAAACTTAGAAACATGTCAAACCTCTCTAGC
TGGCTTAGCGGTTTTGGCCGCTCTTTTGATTGCCGTTGATGCGTTTAAGCCGCTCG
GTTTAACAAACGGTCACGCTACATTCTATGGAGGAAGTGACGCTTCTGGCACAAT

GGGTAAATTCAACAGTTTAAAATTTTCTACTGTTTTTGTCTCTAAATGGATTTGGT
TAGTATCGATCCTTTAATTATTATTATTTTGTTTTTTGTTCAGGTGGAGCTTGTGGTTA
CGGAGATCTTTACTCTGCGGGGTACGGGACAATGACGGCGGCGCTAAGCACGGC
TCTGTTTAAACGACGGAGCTTCTTGC GGAGAATGTTATAGGATAACGTGTGATTAC
GCGGCGGACTCACGGTGGTGCAAGAAAGGAGCTTCCGTTGTCATTACGGCCACA
AACTTTTGCCACCAAACCTTTGCTCTGCCTAACAAACACGGTGGTTGGTGCAATC
CGCCGCTCAAACATTTTCGACATGGCTCAACCCGCTTGGGAAAAGATCGGTATTTA
CAGAGGAGGCATTGTTCCCGTCGTTTTCCAAAGGTTAGCTAGATTTTTATCATCAT
ACTCAAAGCTAAAACAATTGCTAAATCACCCCTTAATTTGGATCCTATAAATT
TAGTGCCATAAACTTTTCTTTCTTGATCATTTAAACCTCTATTAATCGGCTAAACG
GCGGTGGTTTTGTGAAGGTTTAATTATTTTAAAAGTACTGATGGGTTTTTAAATGA
ATCATATAAAATTTTAAGGGTTCTTATGCAATTTTTTAAAAGTTTAAACGAAAAGT
CTCTGTTTTGGTTTGGTATGGGAAAAAAAACAGAGTGAGCTGTTACAAGAAAGGA
GGAGTGAGATTCAGAATAAACGGCAGAGACTACTTCGAGCTAGTGAACATTCAA
AACGTAGGAGGAGGAGGTTTCGATTAGATCTGTATCCATTAAAGGATCAAAGACT
GGTTGGTTAGCCATGTCTCGTAATTGGGGAGCTAATTGGCAATCAAACGCTTACC
TCGATGGACAATCTCTGTCTTTCTCCATTACTACCACCGATGGTGCTACAAGAGTC
TTCCTCAATGTTGTTCCCTTCTTCTTGGTCCTTTGGACAGATTTATTCTTCCCACATT
CAGTTTTAA