

IDENTIFICATION

Species: *Capsella grandiflora*

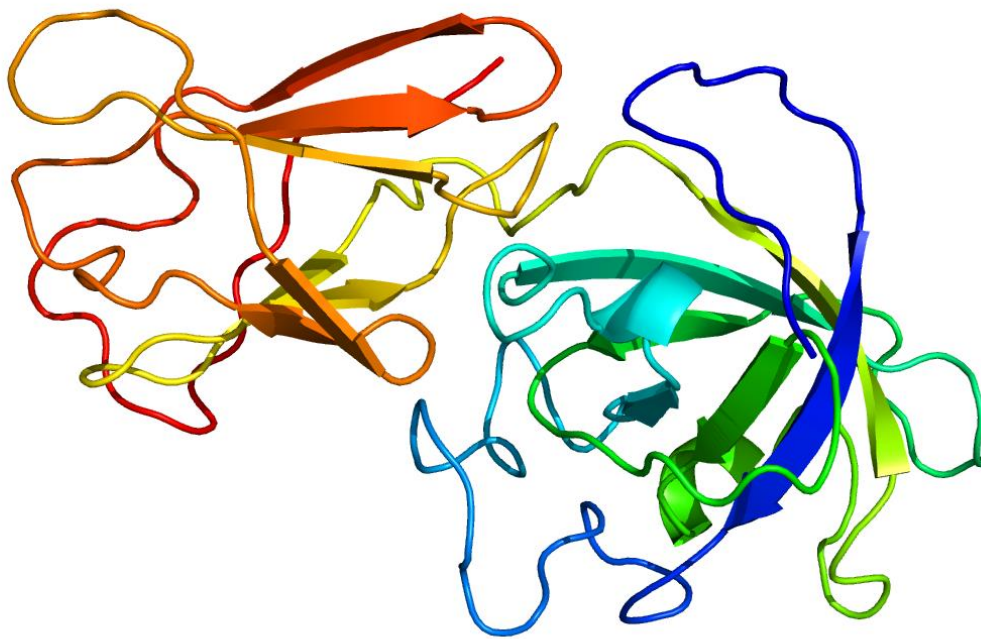
Locus: Cagra.1670S0005

Gene Model: Cagra.1670S0005.1.p

Description: CgrEXPA-14

Family: Alpha Expansin

3D structure:



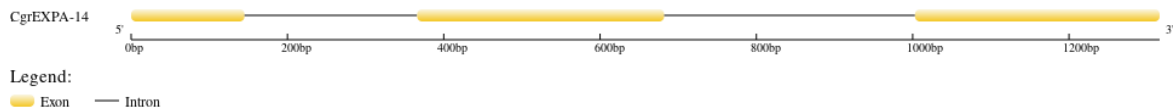
GENOME DATABASES

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

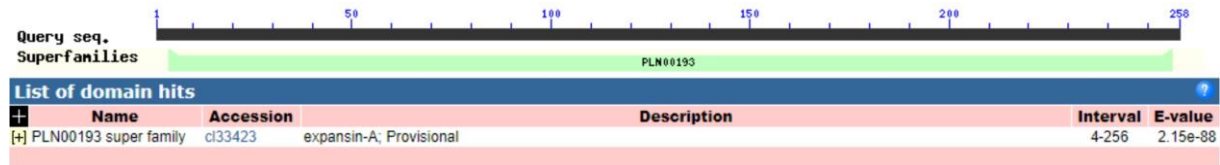
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CgrEXPA-14

MDQSLYRKCLVIISMAMIGTSMAAYAGTPWRRASATFYGDDTASATMGGACGYG
NMWDSGYGVATTALSTVLFNDGYACGQCFQIRCVSSPNCYYGSPATVVTATNICPPN
YGQDSNNGGWCNPPRAHFDLTKPAFMKIANWKAGIIPVSYRRVACKKSGGIRFKFEG
NGYWLLVYVMNVGGAGDIKTMAVKGSRTGWINMSHNWGASYQAFSSLYGQSLSF
RVTSYTTRQTVYAWNAAPASWSAGKTYQSKANFY*

CDS (coding sequence)

>CgrEXPA-14

ATGGATCAAAGTTTATATCGCAAGTGCTTGGTTATTATATCGATGATGGCCATGA
TCGGAACATCAATGGCTGCTTATGCCGGAACCCATGGCGTAGGGCCTCAGCCAC
TTTTACGGTGACGATACCGCAAGCGCAACTATGGGTGGGGCTTGTGGTTACGGT
AATATGTGGGACAGCGGCTACGGCGTAGCCACAACCTGCGCTTAGCACGGTGCTGT
TCAACGACGGTTACGCTTGTGGTCAATGTTTTTCAGATAAGGTGTGTATCGTCACCT
AACTGCTACTACGGTTCACCAGCTACCGTGGTGACTGCGACCAACATATGTCCAC
CAAACCTATGGCCAAGATTCAAACAATGGTGGATGGTGAATCCGCCACGTGCCCA
TTTTGATTTGACTAAACCAGCTTTCATGAAGATCGCTAATTGGAAGGCTGGAATC
ATCCCCGTCTCATAACCGCAGAGTGGCATGTAAGAAGAGCGGAGGAATAAGGTTC
AAATTTGAAGGAAATGGGTATTGGCTACTTGTGTACGTGATGAACGTAGGAGGA
GCAGGTGACATAAAGACCATGGCCGTGAAAGGTAGCCGAACAGGATGGATCAAC
ATGAGCCATAATTGGGGAGCTTCGTACCAAGCTTCTCTTCTCTATATGGTCAGTC
TCTCTCCTCCGAGTCACCTCTTACACCACTCGTCAGACCGTTTACGCTTGGAACG
CTGCTCCGGCTAGCTGGAGTGCCGGTAAGACCTACCAGAGCAAGGCTAATTTCTA
CTGA

Nucleotide

>CgrEXPA-14

ATGGATCAAAGTTTATATCGCAAGTGCTTGGTTATTATATCGATGATGGCCATGA
TCGGAACATCAATGGCTGCTTATGCCGGAACCCATGGCGTAGGGCCTCAGCCAC
TTTTACGGTGACGATACCGCAAGCGCAACTATGGGTAAATTAAGTTTTATACT

TGATACTTCTACAATATCTATTGTATATGGTATACAAACTATATATAGATGAATTG
ATTAAATATGGACGTTGCATGTTATTTAATTTGACACGGTCGTTTGTGGTGGTGGT
CGTACGTAACATAAAAATGAAAACACAAAGAAACACTAAAATGTATTGTCAATA
TTTTAACATGACCATGATATATATACATCGATCAGGTGGGGCTTGTGGTTACGGT
AATATGTGGGACAGCGGCTACGGCGTAGCCACAACCTGCGCTTAGCACGGTGCTGT
TCAACGACGGTTACGCTTGTGGTCAATGTTTTTCAGATAAGGTGTGTATCGTCACCT
AACTGCTACTACGGTTCACCAGCTACCGTGGTGACTGCGACCAACATATGTCCAC
CAAACCTATGGCCAAGATTCAAACAATGGTGGATGGTGTAAATCCGCCACGTGCCCA
TTTTGATTTGACTAAACCAGCTTTCATGAAGATCGCTAATTGGAAGGCTGGAATC
ATCCCCGTCTCATACCGCAGGTACACCTATCCACTAAGCTAGACCAATATTGATT
CGTATAATAATTAGTGTGTGTATACTACTACAATTTCCATTTTTTTCTTCAAACC
TATAGAAATGGTTTATCAAATCATAGTATATCTATATATATATATATATTTTTAATAAT
CAAGAGGTTTTTGGTCGAATCCAATAAATCTCCTCATGCCGAAACCAAAGGATG
TGATATGGTTTCGTCCCAAACGCTACTCGAAATAGTATATCTATATTCATATATGT
GTTTGTAAGAATTGTATACATCTTAGAATATGATTATATATTGATAATTCGGTGTA
TATACAGAGTGGCATGTAAGAAGAGCGGAGGAATAAGGTTCAAATTTGAAGGAA
ATGGGTATTGGCTACTTGTGTACGTGATGAACGTAGGAGGAGCAGGTGACATAA
AGACCATGGCCGTGAAAGGTAGCCGAACAGGATGGATCAACATGAGCCATAATT
GGGGAGCTTCGTACCAAGCTTCTCTTCTCTATATGGTCAGTCTCTCTCCTCCGA
GTCACCTCTTACACCACTCGTCAGACCGTTTACGCTTGGAACGCTGCTCCGGCTAG
CTGGAGTGCCGGTAAGACCTACCAGAGCAAGGCTAATTTCTACTGA