

IDENTIFICATION

Species: *Capsella grandiflora*

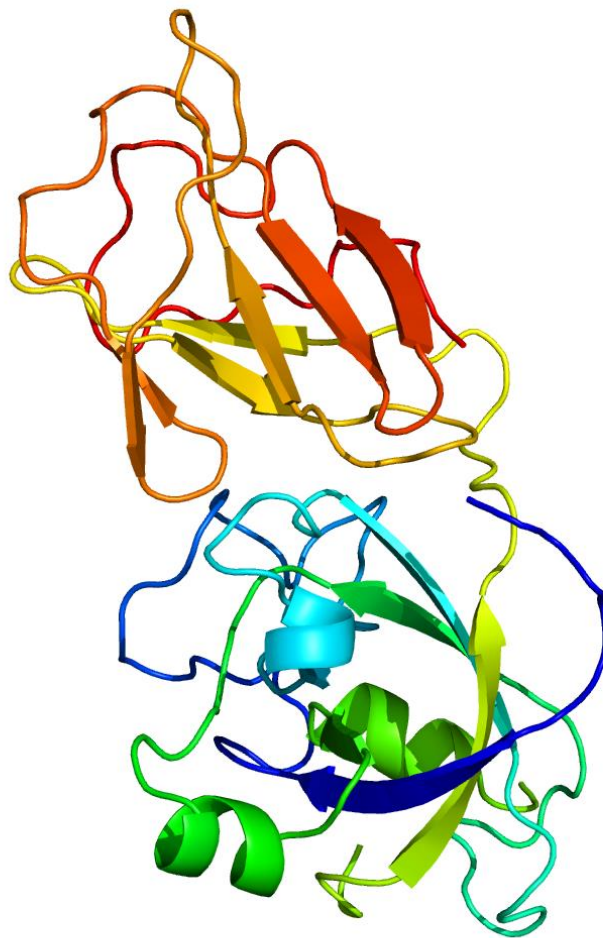
Locus: Cagra.0007S0086

Gene Model: Cagra.0007S0086.1.p

Description: CgrEXPA-02

Family: Alpha Expansin

3D structure:



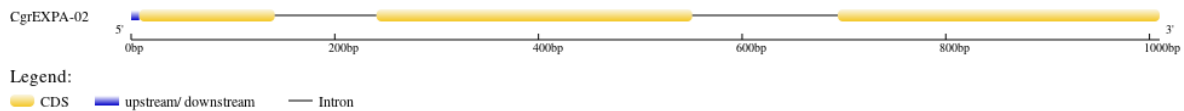
GENOME DATABASES

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

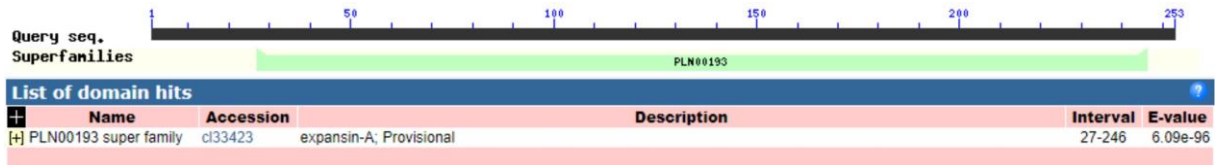
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CgrEXPA-02

MEMK GKYL VIVILL VGTLSV GMCSNR WIRAHATYYGVNDSPASLGGACGYDNPYH
AGFGAHTAALS GALFRSGESC GGCYQVRCDFPADPKWCLRGA AVTVTATNFCPSNN
NNGWCNLPRHHFDMSSPAFFRIARRGNEGIVPVFYRRVGCKRRGGVRFMTRGQGNF
NMVMISNVGGGGSVRAVA VRGSKGKTWLQMTRNWGANWQSSGDLRGQRLSFRVT
LIDRKTLTFLNVVPSWWFGQTFSSRGRQFV*

CDS (coding sequence)

>CgrEXPA-02

ATGGAGATGAAGGGAAAATATTTGGTAATTGTTATTCTCTTGGTTGGTACGTAA
GTGTGGGGATGTGTTCCAACCGTTGGATAAGGGCTCATGCAACGTATTATGGTGT
TAATGATAGCCCTGCTTCACTTGGAGGAGCTTGTGGATATGACAATCCGTACCAC
GCCGATTTCGGAGCCCACACGGCGGCGCTAAGCGGTGCACTATTCAGAAGCGGT
GAGTCATGCGGTGGGTGCTACCAGGTGAGGTGTGACTTCCCGGCAGATCCTAAGT
GGTGTCTCCGAGGAGCTGCCGTGACGGTGACGGCTACAACTTTGTCCATCAAA
CAACAATAATGGTTGGTGCAATCTCCCTCGCCATCACTTTGACATGTCTCTCCCG
CTTTCTTCCGCATCGCCCGTCGCGGCAATGAAGGCATTGTTCCCGTCTTCTATCGC
CGGGTGGGATGCAAGAGAAGAGGAGGCGTGAGGTTTACGATGAGAGGGCAAGG
TAACTTCAACATGGTAATGATCTCAAACGTTGGTGGTGGTGGCTCGGTGAGAGCG
GTAGCAGTACGCGGCTCAAAGGGAAAACCTTGGCTTCAGATGACCCGTAACCTGG
GGTGCTAACTGGCAGAGCTCTGGTGATCTCCGGGGACAAAGACTCTCCTTCAGAG
TAACTCTTATTGACCGTAAAACGCTGACGTTTTTGAACGTTGTCCCTTCTTCTTGG
TGGTTTGGCCAAACCTTCTCCTCTCGGGGACGCCAATTTGTCTGA

Nucleotide

>CgrEXPA-02

CAATATATATGGAGATGAAGGGAAAATATTTGGTAATTGTTATTCTCTTGGTTGG
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TATGGTGTAAATGATAGCCCTGCTTCACTTGGTAATAAGTTCATTAAACTATTAAG
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GAAGTAATTAATCTTGAAAACATTATAGGGTGGGATGCAAGAGAAGAGGAGGC
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GTTGGTGGTGGTGGCTCGGTGAGAGCGGTAGCAGTACGCGGCTCAAAGGGAAAA
ACTTGGCTTCAGATGACCCGTAACCTGGGGTGCTAACTGGCAGAGCTCTGGTGATC
TCCGGGGACAAAGACTCTCCTTCAGAGTAACTCTTATTGACCGTAAAACGCTGAC
GTTTTTGAACGTTGTCCCTTCTTCTTGGTGGTTTGGCCAAACCTTCTCCTCTCGGGG
ACCCAATTTGTCTGA