

IDENTIFICATION

Species: *Capsella grandiflora*

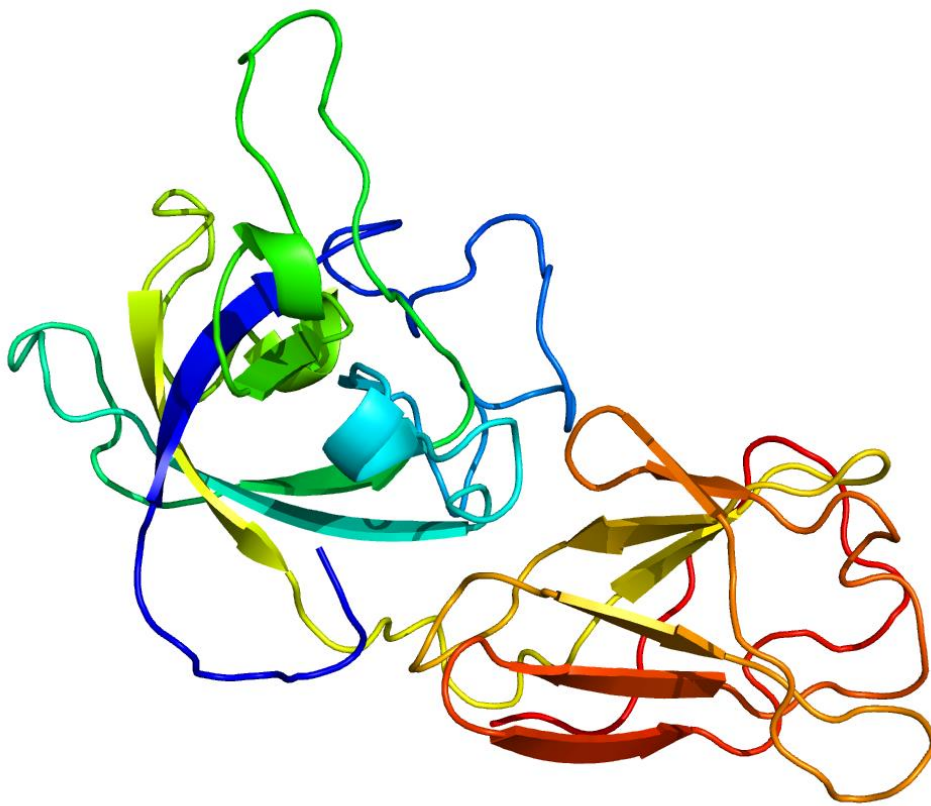
Locus: Cagra.0887S0002

Gene Model: Cagra.0887S0002.1.p

Description: CgrEXPA-08

Family: Alpha Expansin

3D structure:



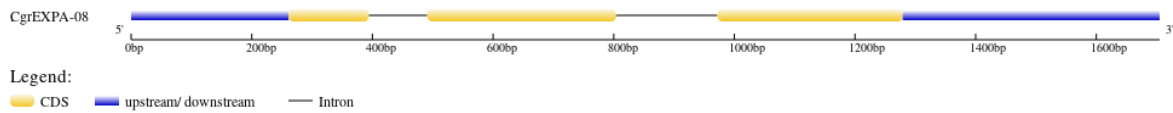
GENOME DATABASES

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

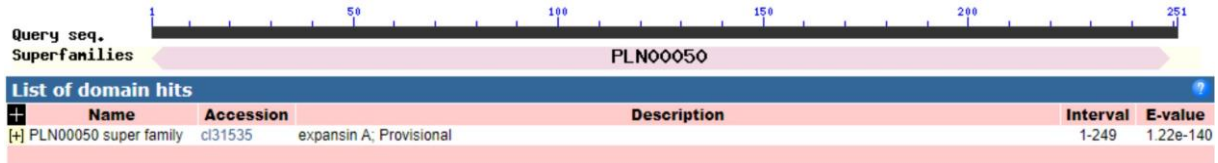
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CgrEXPA-08

MALFAFLMAILGVMTSCVNGYAGGGWVNAHATFYGGGDASGTMGGACGYGNLY
SQGYGTNTAALSTALFNGLSCGACFELRCQNDGKWCLPGSIVVTATNFCPPNNALP
NNAGGWCNPPQQHFDLSQPVFQRIAQYRAGIVPVA YRRVPCVRRGGIRFTINGHSYF
NLVLITNVGGAGDVHSMVKGSRTGWQSMSRNWGQNWQSN SYLNGQALSFKVTT
SDGRTHISNNAAPAGWSFGQTFTGAQLR*

CDS (coding sequence)

>CgrEXPA-08

ATGGCTCTTTTCGCCTTCTTGTTTATGGCTATCCTCGGAGTAATGACGTCATGTGT
CAATGGCTACGCCGAGGAGGTTGGGTAAACGCACACGCCACATTCTACGGCGGT
GGTGATGCTTCCGGCACAATGGGAGGTGCTTGTGGGTACGGAACTTATATAGCC
AAGGTTATGGAACCAATACCGCAGCGCTAAGCACGGCTCTGTTCAACAACGGTTT
GAGCTGTGGTGCTTGGCTTCGAGCTAAGATGCCAAAACGATGGGAAATGGTGTCTC
CCTGGCTCAATCGTCGTCACAGCCACAACTTTTGCCCGCCTAACAACGCTTTACC
GAACAACGCGGGAGGTTGGTGTAACCCTCCTCAGCAGCATTGATCTCTCTCAG
CCCGTATTTCAACGCATCGCTCAATACAGAGCTGGCATTGTCCCCGTCGCTTACCG
AAGAGTGCCATGCGTGAGAAGGGGAGGAATAAGGTTTACGATAAACGGACACTC
ATACTTCAACCTGGTTCTGATTACTAACGTCGGAGGAGCCGGAGATGTTCACTCT
GTGATGGTCAAAGGATCAAGAACAGGGTGGCAATCCATGTCAAGAACTGGGGA
CAAACTGGCAGAGCAACTCTTACCTAAACGGACAAGCTCTGTCTTTCAAAGTCA
CAACAAGCGACGGTCGAACCATCATCTCCAACAACGCCGCTCCCGCAGGCTGGTC
CTTTGGCCAGACCTTTACAGGCGCGCAGTTACGTTAG

Nucleotide

>CgrEXPA-08

CAAAAACGTAATTCACCACTTTTAAGTTTTTTTCTATAAATTGAACTACTCGTCTC
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TTACATTATGTTGTGGTTTTGCTTTAACAGAGTGCCATGCGTGAGAAGGGGAGGAA
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CGGAGGAGCCGGAGATGTTCACTCTGTGATGGTCAAAGGATCAAGAACAGGGTG
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AGTCTCGTTCAAAGTCATGTTATGTTGTAATTTTTTCGATTTTTA