

IDENTIFICATION

Species: *Capsella grandiflora*

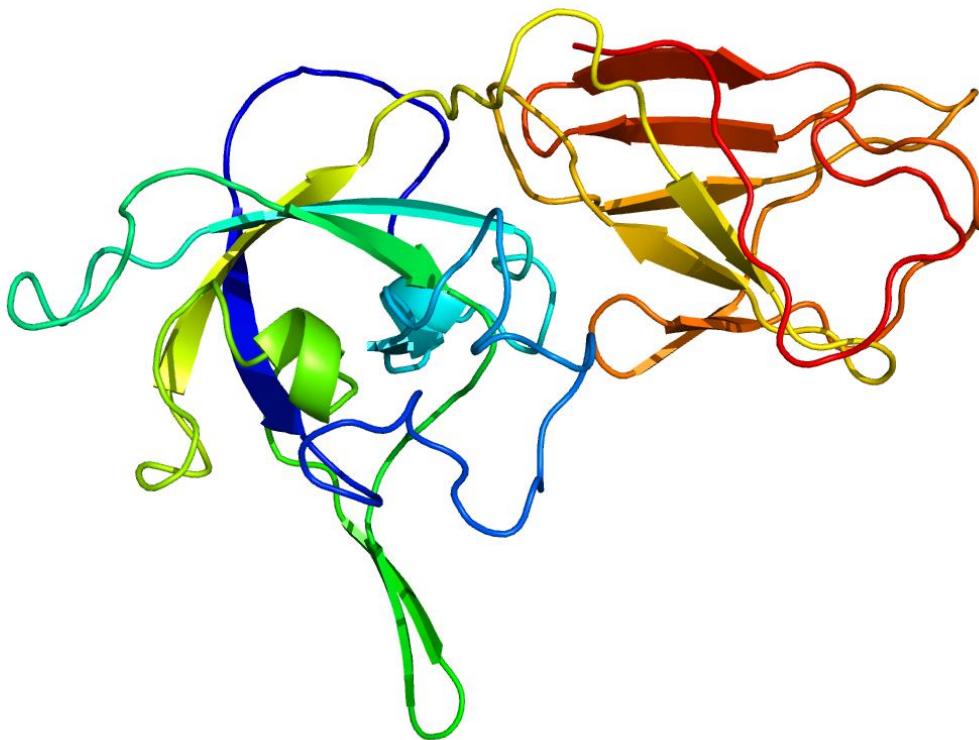
Locus: Cagra.1642S0026

Gene Model: Cagra.1642S0026.1.p

Description: CgrEXPA-13

Family: Alpha Expansin

3D structure:



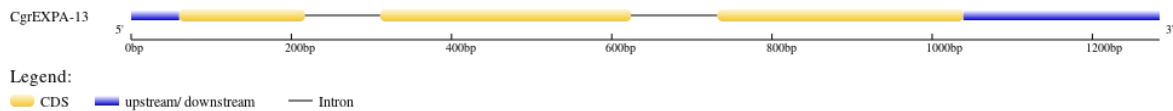
GENOME DATABASES

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

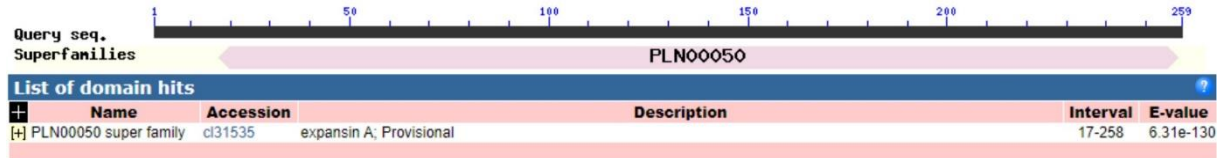
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CgrEXPA-13

MSITSNSKYSILISTISILSLSLCLQVTRGDYGGWQGGHATFYGGGDASGTMGGACGY
GNLNSQGYGTNTAALSTALFNGLTCGACYEMKCNDDPRWCLSSTITVTATNFCPPN
PGLSNDNGGWCNPPLQHFDLAEPAFLQIAQYRAGIVPVSFRRVPCVKSGGIRFTINGH
SYFNLVLISNVGGAGDVHAVSIKGSKTQSWQAMSRNWGQNWQSNSYMNDQSLSFQ
VTTSDGRTVISNDVAPSNWQFGQTYQGGQF*

CDS (coding sequence)

>CgrEXPA-13

ATGTCATCACATCAAACCTCCAAGTATTCAATATTAATCTCAACTATATCCATACT
CAGCTTATCATTGTGCCTCCAAGTAACTCGTGGAGACTACGGAGGTTGGCAAGGT
GGCCACGCCACGTTTTACGGTGGCGGCGATGCTTCCGGCACCATGGGCGGAGCTT
GTGGCTATGGAACTTGAATAGCCAAGGTTACGGGACGAACACGGCGGCTTTGA
GTACGGCTCTATTCAACAACGGGCTCACTTGCGGCGCGTGCTATGAGATGAAGTG
CAACGATGACCCGAGGTGGTGTCTCTTCTACTATCACCGTCACAGCCACTAAC
TTTTGCCACCAAACCTGGCCTCTCCAACGATAATGGAGGTTGGTGCAATCCTC
CTCTTCAGCATTTCGACCTCGCCGAGCCAGCTTTTCTCCAGATCGCTCAGTATCGT
GCCGGCATTGTTCTGTCTCTTTCCGAAGAGTACCGTGTGTGAAGAGTGGGGGAA
TAAGGTTTACGATCAACGGACATTCATACTTCAACCTTGTTCTGATATCGAACGTA
GGAGGAGCCGGAGACGTACACGCCGTATCGATCAAGGGCTCGAAAACACAGTCA
TGGCAAGCGATGTCTAGAAATTGGGGACAGAAGTGGCAGAGTAATTCTTACATG
AACGACCAAAGCCTCTCGTTCCAAGTCACCACAGTGATGGTCGCACCGTCATTA
GCAATGACGTGGCTCCTTCTAATTGGCAGTTCGGACAAACCTACCAAGGCGGTCA
GTTCTGA

Nucleotide

>CgrEXPA-13

ACACCAAATCAAGTCCGATACTCCCAACCGAAATAACCAACACATTCAAGAAA
CAAATAATGTCTATCACATCAAACCTCCAAGTATTCAATATTAATCTCAACTATATC
CATACTCAGCTTATCATTGTGCCTCCAAGTAACTCGTGGAGACTACGGAGGTTGG
CAAGGTGGCCACGCCACGTTTTACGGTGGCGGCGATGCTTCCGGCACCATGGGTA

TGGCCAAATAATTAAGTAAACCATGTTATTTTATCTCTTGATTTCATACGTATGGCT
TACTAGCTAACACGTGGCATATATGGTCAAATCAGGCGGAGCTTGTGGCTATGGA
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TCAACAACGGGCTCACTTGC GGCGCGTGCTATGAGATGAAGTGCAACGATGACCC
GAGGTGGTGTCTCTCTTCTACTATCACCGTACAGCCACTAACTTTTGCCACCAA
ACCCTGGCCTCTCCAACGATAATGGAGGTTGGTGCAATCCTCCTCTTCAGCATTTC
GACCTCGCCGAGCCAGCTTTTCTCCAGATCGCTCAGTATCGTGCCGGCATTGTTCC
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TTGGATATGGATGCATTTGTCCTCTTATATTTACACGCTTAAACTAATGGATTATG
TGTGATTTTCAGAGTACCGTGTGTGAAGAGTGGGGGAATAAGGTTTACGATCAACG
GACATTCATACTTCAACCTTGTTCTGATATCGAACGTAGGAGGAGCCGGAGACGT
ACACGCCGTATCGATCAAGGGCTCGAAAACACAGTCATGGCAAGCGATGTCTAG
AAATTGGGGACAGAACTGGCAGAGTAATTCTTACATGAACGACCAAAGCCTCTC
GTTCCAAGTCACCACCAGTGATGGTCGCACCGTCATTAGCAATGACGTGGCTCCT
TCTAATTGGCAGTTCGGACAAACCTACCAAGGCGGTCAGTTCTGATCTGATCAGT
TCCATCTCTCTGTTTTGGGTGCTGACGTGGCTGCGTATTGCTGAGGTGGCTCGTAA
GCACCCGCTTAGCTTAGTTTTTTTTTTTTTATAATCATATTTACGAATTGTTGGTTA
AATGGTTGTATTTTCATCATGCCTACACAAATCAAAGGTTTTTTTTTTTTTTTACA
TGTTTATTTAATTTAGCCTTATTGGCCTGTTTTTCTTCTTTGTAATCCAATATCGCT
AAGCCCAA