

IDENTIFICATION

Species: *Capsella grandiflora*

Locus: Cagra.5862S0023

Gene Model: Cagra.5862S0023.1.p

Description: CgrEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

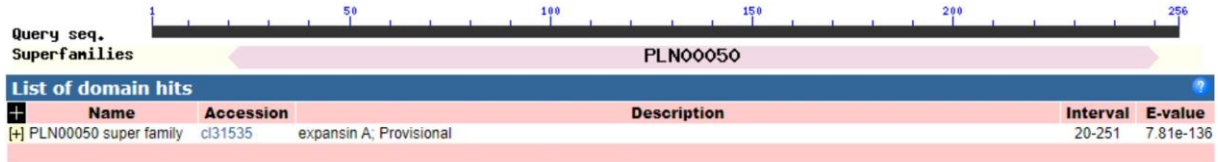
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CgrEXPA-19

MEIVGK VIMSMGLMMMIMWKSVDGYGSGWVNARATFYGGADASGTMGGACGYG
NLYSQGYGTNTAALSTALFNGLTCGACFQIKCVNDPKWCLGGTITVTGTNFCPPNF
AQANDAGGWCNPPQHFDLAQPIFLRIAKYKAGVVPVQYRRVACRRKGGIRFTING
HSYFNLVLITNVAGAGDVTSVSVKGRTRTGWQSMSRNWQNWQSNANLDGQALSFK
VTTSDGRTVVSNNATPRNWSFGQTYTGRQFRAPR*

CDS (coding sequence)

>CgrEXPA-19

ATGGAGATTGTTGGAAAAGTGATCATGTCAATGGGTCTTATGATGATGATAATGT
GGAAGAGTGTGGATGGTTACGGTAGTGGTTGGGTCAATGCTCGAGCCACTTTCTA
TGGAGGTGCTGATGCTTCTGGCACCATGGGCGGCGCGTGTGGATACGGGAACTTA
TACAGCCAAGGATATGGCACGAACACGGCAGCTCTAAGCACGGCTCTATTTAACG
GTGGCCTAACCTGCGGTGCGTGTTTTCAGATAAAATGCGTAAACGACCCAAAATG
GTGTCTCGGAGGAACAATCACCGTCACGGGAACAACTTTTGTCCACCGAACTTT
GCTCAGGCCAACGACGCCGGAGGTTGGTGTAAACCTCCTCAACATCACTTCGATT
TGGCTCAGCCCATCTTCTCCGCATCGCTAAATACAAAGCCGGCGTTCGTCCTCCGTT
CAATACCGGAGAGTGGCTTGCCGGAGAAAAGGAGGGATACGATTCACCATCAAC
GGTCACTCATACTTCAACCTAGTTCTCATAACCAACGTAGCCGGCGCCGGAGATG
TTACCTCCGTCTCCGTTAAAGGAACCAAGGATGGCAAAGCATGTCGAGAA
ACTGGGGACAGA ACTGGCAAAGCAACGCGAATCTTGATGGTCAAGCTCTCTCGTT
CAAAGTGACA ACTAGTGATGGACGTACAGTTGTATCTAACAACGCTACTCCACGT
AACTGGAGCTTCGGACAGACTTACACCGGAAGACAGTTCCGGGCTCCGAGGTGA

Nucleotide

>CgrEXPA-19

ATGGAGATTGTTGGAAAAGTGATCATGTCAATGGGTCTTATGATGATGATAATGT
GGAAGAGTGTGGATGGTTACGGTAGTGGTTGGGTCAATGCTCGAGCCACTTTCTA
TGGAGGTGCTGATGCTTCTGGCACCATGGGTAACCTTTCTTACTCTTCTCACAC
TTT TAGTATCATTCTTGT TTTTCACCAACATAACTTCAA ACTTGAAATTTTATTAAT
AATCAAAAATGTATATACTACTACTTTATATGACCAAAAAGTTATGTAATTTACCTA

TAAAGATAAACACTTTTTAATAATGCACTTACGTAAGTTTGTATATTACTTAAGTC
TACTTTTTGTGTTGTTGGTGTTTTTGTGAGGATCAGGCGGCCGCGTGTGGATACGGG
AACTTATACAGCCAAGGATATGGCACGAACACGGCAGCTCTAAGCACGGCTCTAT
TTAACGGTGGCCTAACCTGCGGTGCGTGTTTTCAGATAAAATGCGTAAACGACCC
AAAATGGTGTCTCGGAGGAACAATCACCGTCACGGGAACAACTTTTGTCCACCG
AACTTTGCTCAGGCCAACGACGCCGGAGGTTGGTGTAAACCCTCCTCAACATCACT
TCGATTTGGCTCAGCCCATCTTCCTCCGCATCGCTAAATACAAAGCCGGCGTCGTC
CCCGTTCAATACCGGAGGTACGTAAACCGATCTCGGTTTAGCTCTGTTTCGGTTTAC
CAAAGAATTTGATAATTTATTTACTAATTAATCTTCTTTGTGCTCTGTTTCGGAAA
CAGAGTGGCTTGCCGGAGAAAAGGAGGGATACGATTCACCATCAACGGTCACTC
ATACTTCAACCTAGTTCTCATAACCAACGTAGCCGGCGCCGGAGATGTTACCTCC
GTCTCCGTTAAAGGAACCAGAACAGGATGGCAAAGCATGTCGAGAAACTGGGGA
CAGAACTGGCAAAGCAACGCGAATCTTGATGGTCAAGCTCTCTCGTTCAAAGTGA
CAACTAGTGATGGACGTACAGTTGTATCTAACAACGCTACTCCACGTAACCTGGAG
CTTCGGACAGACTTACACCGGAAGACAGTTCCGGGCTCCGAGGTGATGATTGATG
ACCACGCGGACTTAATGGAGGC