

IDENTIFICATION

Species: *Aquilegia coerulea*

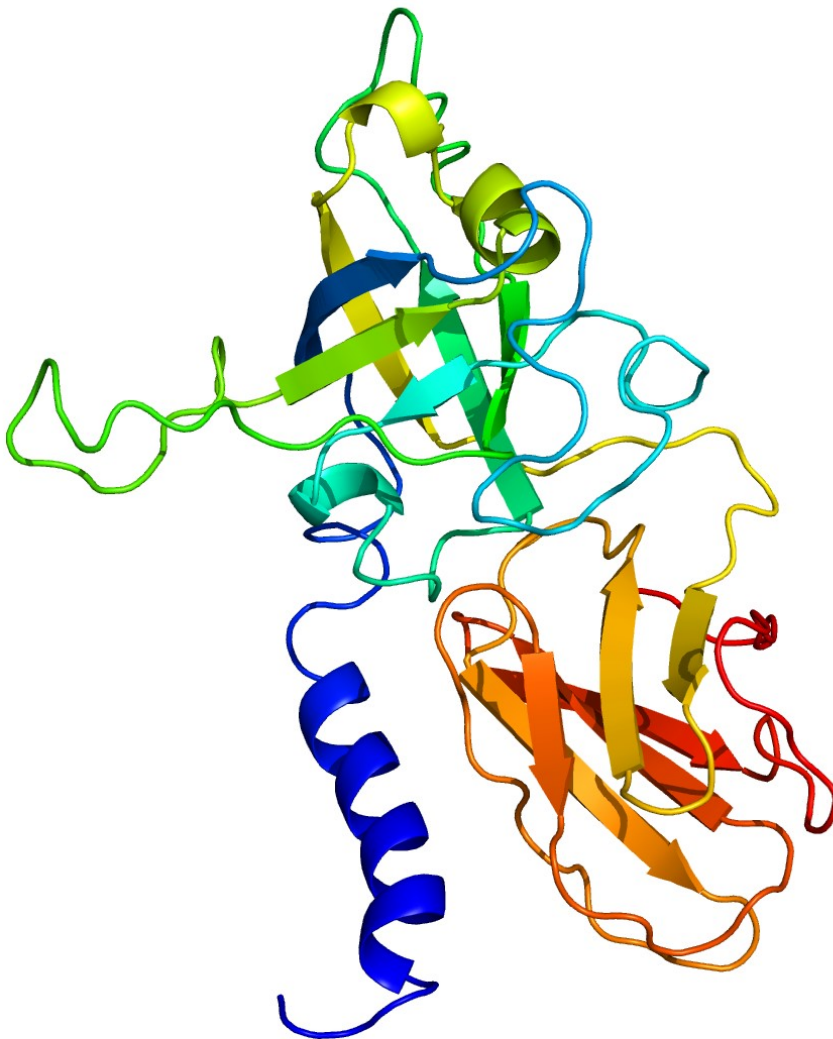
Locus: Aqcoe2G236700

Gene Model: Aqcoe2G236700.1.p

Description: AcEXPA-09

Family: Alpha Expansin

3D structure:

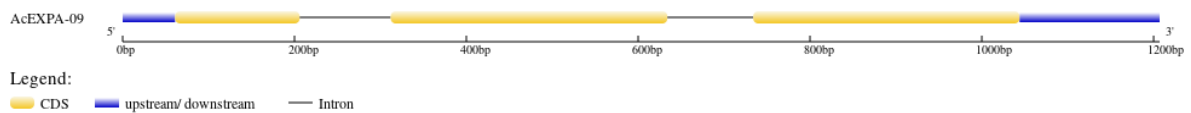


GENOME DATABASES

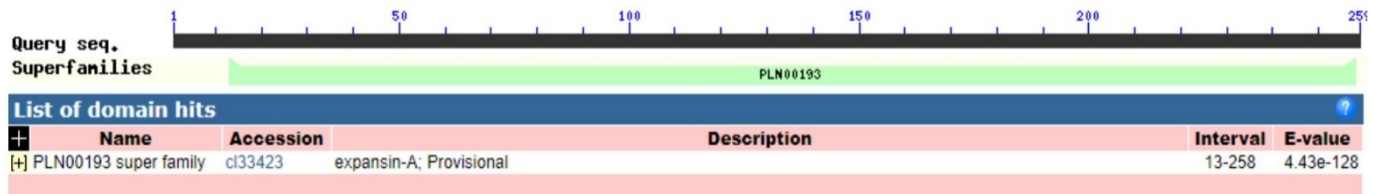
Phytozome: https://phytozome-next.jgi.doe.gov/info/Acoerulea_v3_1

EXTERNAL RESOURCES

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AcEXPA-09

MKSFSSTVYRFSFLIIVAVLASSVDRSFAAWQRAHATFYGGGDASGTMGGACGYGN
LNTDGYGINTAALSTALFNNGQSCGACYQIVCDGSQVPQWCLKGTYITITATNFCPPN
YNLPSDNGGWCNPPRQHFDMSSQPAFQKIAVYKAGIVPVLRYKVTCKRTGGIRFTING
RDYFELVLISNVGGAGDIAKVWIKGSKTNKWEPMsrNWGSNWQSSTYLNrQSLSFRI
QTSNGRrTKTANNVAPSNWAFGQSYSSNVQF*

CDS (coding sequence)

>AcEXPA-09

ATGAAGAGTTTCAGTAGTACTGTTTATAGGTTTCAGTTTTCTTATAATCGTTGCAGT
GTTGGCTTCTAGTGTTGACAGAAGCTTTGCTGCTTGGCAGCGTGCCCATGCAACCT
TCTATGGAGGAGGCGATGCTTCGGGGACAATGGGGGGCGCTTGCGGTTATGGGA
ACCTCAACACAGATGGCTATGGCATCAATACAGCGGCATTGAGCACAGCCCTCTT
CAACAATGGCCAGTCATGTGGAGCATGTTATCAGATTGTTTGTGATGGCAGTCAG
GTGCCACAATGGTGCCTAAAGGGCACCTATATAACCATAACTGCAACAAATTTCT
GTCCACCAAAATTACAATCTCCCTAGCGACAATGGTGGATGGTGCAACCCGCCACG
ACAACACTTTGACATGTCACAACCTGCATTTTCAGAAGATTGCAGTTTACAAGGCA
GGCATTGTGCCTGTGCTCTATAGAAAGGTTACTTGCAAGAGAACTGGAGGAATTA
GATTTACCATCAACGGGCGAGATTACTTCGAACTAGTCCTCATAAGCAATGTAGG
AGGAGCTGGGGATATAGCAAAGGTTTGGATTAAAGGGTCCAAAACAAATAAATG
GGAACCAATGTCCAGAACTGGGGATCAAACCTGGCAGAGCTCAACCTATCTGAA
CCGCCAGAGTTTATCTTTTAGGATCCAGACGAGTAATGGACGTACGAAAACAGCA
AACAACGTTCGCACCTTCTAACTGGGCATTTGGCCAGTCTTACTCTAGCAACGTTT
AGTTCTAA

Nucleotide

>AcEXPA-09

GACAACrTAAGTTCAATTAATACGTACTTTGAGTTGTTTAGATCAAGACAAGCTGG
TAGACAATGAAGAGTTTCAGTAGTACTGTTTATAGGTTTCAGTTTTCTTATAATCGT

TGCAGTGTTGGCTTCTAGTGTTGACAGAAGCTTTGCTGCTTGGCAGCGTGCCCATG
CAACCTTCTATGGAGGAGGCGATGCTTCGGGGACAATGGGTGAGTACTTATTGCT
CTCTGTGTGATTAATTCCTACTGCTAGTGTAGATATTGAGCATGCATTTTAATCTG
AATATTTGATGATGTATATATGTAAAATTTGCAGGGGGCGCTTGCGGTTATGGGA
ACCTCAACACAGATGGCTATGGCATCAATACAGCGGCATTGAGCACAGCCCTCTT
CAACAATGGCCAGTCATGTGGAGCATGTTATCAGATTGTTTGTGATGGCAGTCAG
GTGCCACAATGGTGCCTAAAGGGCACCTATATAACCATAACTGCAACAAATTTCT
GTCCACCAAATTACAATCTCCCTAGCGACAATGGTGGATGGTGCAACCCGCCACG
ACAACACTTTGACATGTCACAACCTGCATTTCAGAAGATTGCAGTTTACAAGGCA
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AACAACCACCCCAAATTTTCATATACATGAATTAGTAACTGATACGTTATCTGCT
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ACGGGCGAGATTACTTCGAACTAGTCCTCATAAGCAATGTAGGAGGAGCTGGGG
ATATAGCAAAGGTTTGGATTAAGGGTCCAAAACAAATAAATGGGAACCAATGT
CCAGAAACTGGGGATCAAACCTGGCAGAGCTCAACCTATCTGAACCGCCAGAGTTT
ATCTTTTAGGATCCAGACGAGTAATGGACGTACGAAAACAGCAAACAACGTCGC
ACCTTCTAACTGGGCATTTGGCCAGTCTTACTCTAGCAACGTTTCAGTTCTAAGACA
TCTCTTTTTGAAGAGTTCCATTTCTTTTCTTCTCCTTCTTGTTATTATGCTGAGACTT
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AATTGGATCAATAAGTGAAATTTCCAATGGAATATAAATATACAG