

IDENTIFICATION

Species: *Aquilegia coerulea*

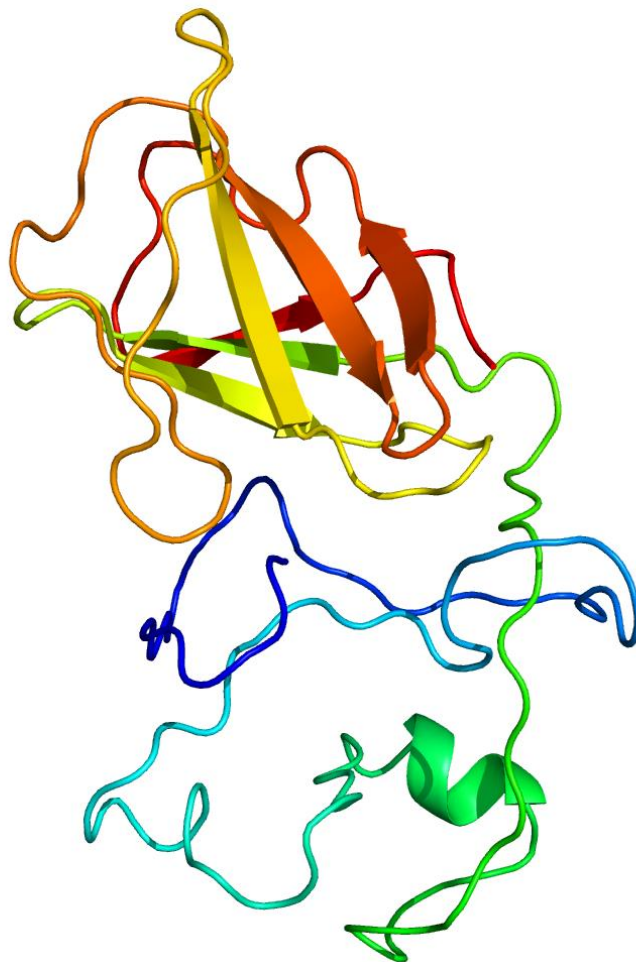
Locus: Aqcoe3G083000

Gene Model: Aqcoe3G083000.1.p

Description: AcEXPA-10

Family: Alpha Expansin

3D structure:

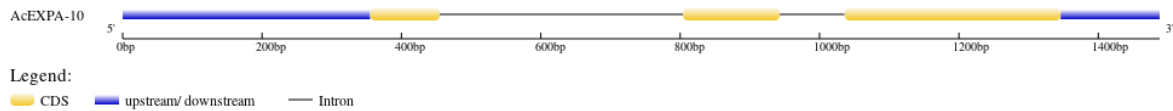


GENOME DATABASES

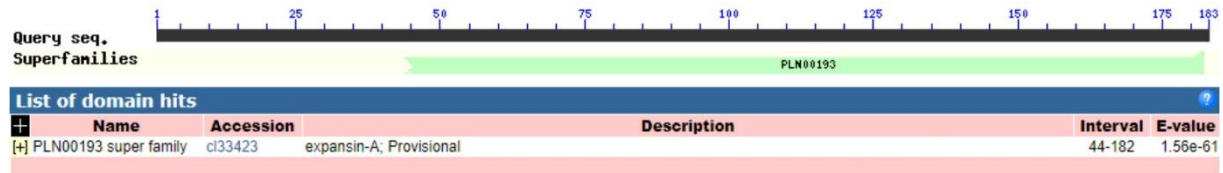
Phytozome: https://phytozome-next.jgi.doe.gov/info/Acoerulea_v3_1

EXTERNAL RESOURCES

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AcEXPA-10

MKKFMKFVWVRSRLLTDLRGRKQLKQLKFALMEKLLHLENLRNNGGWCNPPRQH
FDMSQPAFQKIAVSKAGIEPVLYRKGSCKRTGGIRLTITRRDYFDLVLINNIGATVDIA
KVWMKGSKTNSWEPMSRNWGSNCQSSTYLNRQSLSFRIQTSNGRTKTTYNVAASNV
FGRSYSSNVQF*

CDS (coding sequence)

>AcEXPA-10

ATGAAGAAGTTTATGAAATTTGTGTGGGTCAGATCACGTAGGTTGTTAACCGACC
TCAGGGGAAGAAAGCAATTAAAGCAACTGAAGTTTGCACCTATGGAAAACTTTT
GCATTTGGAGAATTTGCGTAACAATGGTGGATGGTGAACCCGCCACGACAACAC
TTTGACATGTGCAACCTGCATTCAGAAGATTGCAGTTTCCAAAGCCGGCATTG
AACCTGTGCTCTATAGAAAGGGTAGTTGCAAGAGAACTGGAGGGATTTCGATTGA
CCATCACCAGACGAGATTACTTCGACCTGGTCCTCATAAATAATATAGGAGCAAC
TGTAGATATAGCAAAGGTCTGGATGAAAGGGTCCAAAACAAATAGTTGGGAACC
AATGTCCAGAACTGGGGATCAAACCTGCCAAAGCTCGACCTATCTGAATCGCCAG
AGTTTATCATTTAGAATCCAGACAAGCAATGGACGTACGAAAACAACATATAATG
TCGCGGCTTCTAATTGGGTATTCGGCCGATCTTACTCCAGCAATGTTTCAGTTCTAA

Nucleotide

>AcEXPA-10

ACGAAGATTCATTCAAATTTTGCTGCAGGTTAGATTTAGTTACTTCTCAATAACCT
ATATTATGTCCTTTAATCGCAGAAGTTTTATTTGTTGATTTTTCAAACCTTAGTT
ACATGGAAGTGCAGTAGTATTTGCGCATTCTTAGCAGACAGGTTATGTATGTT
GTTAATCAACTTCAGAGAAAGAAAGTAATTGCATTGTAATTTGTCAGCAAAAATT
TGTCCATTGCTAATCCATGTTCAAAGTCATTGGAACAAACACAGGTATGGATCT
AACATTGGTTTtagggTTCTACATGCTATTATGTTTAAAGTTCCTTGAATTTGATGC
CAGGTGAGGCCGAGGACCGTGATGAAGAAGTTTATGAAATTTGTGTGGGTCAGA

TCACGTAGGTTGTTAACCGACCTCAGGGGAAGAAAGCAATTAAGCAACTGAAG
TTTGCACCTTATGGGTAGGTAGTGTTATCTATAATTATAAGGAAATATGTTGTTTGT
TGAGAAAAGGTGGTGGATTGTGTTGGACAGATTAATACAAAGGAAGAAAAGTGT
CGTAACCAAAATTCATTTCTATTAAGATACTGTCTCCAATCAATTGAAGATCATCA
CCTACTGTTCTTAGTTTCTAGGTTAGGTCTTGCTTCAAATCATTAAATTGAAATTTCC
TCTTTGTTTTCATTTGTTTTGTTAAATTTTGTGTTTCATGATGAATTGAATCAAGTA
GATTGGACTGGAGTTGAATCTCTCAATAAAACAGCAGGTATCTAGGTTAAGATAA
GGTATGATTGTGATAAACTTATCGCAGAAAACTTTTGCATTTGGAGAATTTGCG
TAACAATGGTGGATGGTGCAACCCGCCACGACAACACTTTGACATGTCGCAACCT
GCATTTCAGAAGATTGCAGTTTCCAAAGCCGGCATTGAACCTGTGCTCTATAGAA
AGTATGTTCCCATATCATATATCAACCACTACCAAATTTACATTCTCATGAATTAG
TGACTGATATATTATCTACCTCTGTCTGTATATCTCAGGGGTAGTTGCAAGAGAAC
TGGAGGGATTTCGATTGACCATCACCAGACGAGATTACTTCGACCTGGTCCTCATA
AATAATATAGGAGCAACTGTAGATATAGCAAAGGTCTGGATGAAAGGGTCCAAA
ACAAATAGTTGGGAACCAATGTCCAGAACTGGGGATCAAAGCTGCAAAGCTCG
ACCTATCTGAATCGCCAGAGTTTATCATTTAGAATCCAGACAAGCAATGGACGTA
CGAAAACAACATATAATGTCGCGGCTTCTAATTGGGTATTCGGCCGATCTTACTC
CAGCAATGTTGAGTTCTAAGACATCTGACTCGAAAATTTCCATTTCTTTCCTCAAT
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