

IDENTIFICATION

Species: *Aquilegia coerulea*

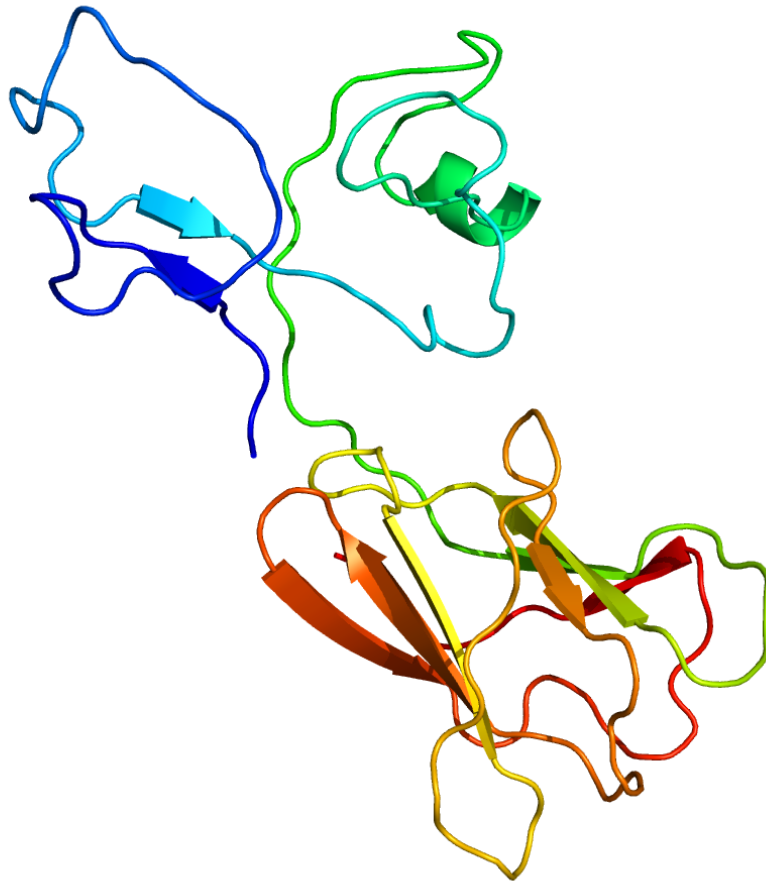
Locus: Aqcoe5G239400

Gene Model: Aqcoe5G239400.2.p

Description: AcEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

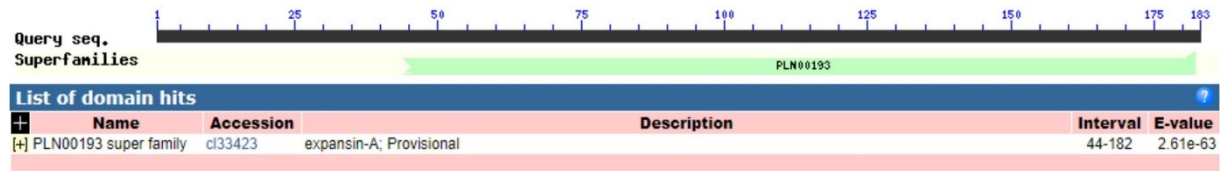
Phytozome: https://phytozome-next.jgi.doe.gov/info/Acoerulea_v3_1

EXTERNAL RESOURCES

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AcEXPA-16

MKKFMKFVWVRSRLLTDLRGRKQLKQLKFALMEKLLHLEILRNNGGWCNPPRQH
FDMSQPAFQKIAVSKAGIEPVLRYKGSCKRTGGIRLTITRRDYFDLVLINNVGATGDIA
KVWMKGSKTNSWEPMSRNWGSNCQSSTYLNQSLSFRIQTSNGRTKTAYNVAASN
WVFGRSYSSNVQF*

CDS (coding sequence)

>AcEXPA-16

ATGAAGAAGTTTATGAAATTTGTGTGGGTCAGATCACGTAGGTTGTTAACCGACC
TCAGGGGAAGAAAGCAATTAAGCAACTGAAGTTTGCACCTATGGAAAACTTTT
GCATTTGGAGATTTTGCGTAACAATGGTGGATGGTGCAACCCGCCACGACAACAC
TTTGACATGTGCAACCTGCATTCAGAAGATTGCAGTTTCCAAAGCCGGCATTG
AACCTGTGCTCTATAGAAAGGGTAGTTGCAAGAGAACTGGAGGGATTTCGATTGA
CCATCACCAGACGAGATTACTTCGACCTGGTCCTCATAAATAATGTAGGAGCAAC
TGGAGATATAGCAAAGGTCTGGATGAAAGGGTCCAAAACAAATAGTTGGGAACC
AATGTCCAGAACTGGGGATCAAAGTCCAAAGCTCGACCTATCTGAATCGCCAG
AGTTTATCATTTAGAATCCAGACAAGCAATGGACGTACGAAAACAGCATATAATG
TCGCGGCTTCTAATTGGGTATTCGGCCGATCTTACTCCAGCAATGTTTCAGTTCTAA

Nucleotide

>AcEXPA-16

TTGTAATTTGTCAGCAAAAATTTGTCCATTGCTAATCCATGTTCAAAGTCATTGG
AACAAACACAGGTATGGATCTAACATTGGTTTAGGGTTCTACATGCTATTATGTTT
AAAGTTCCTTGAATTTGATGCCAGGTGAGGCCGAGGACCGTGATGAAGAAGTTTA
TGAAATTTGTGTGGGTCAGATCACGTAGGTTGTTAACCGACCTCAGGGGAAGAAA
GCAATTAAGCAACTGAAGTTTGCACCTATGGGTAGGTAGTGTTATCTATAATTA
TAAGGAAATATGATGTTTGTGAGAAAAGGTGGTGGATTGTGTTGGACAGATTAA
TACAAAGGAAGAAAAGTGTGCGTAACCAAAATTCATTTCTATTAAGATACTGTCTC
CAATCAATTGAAGATCATCACCTACTGTTCTTCGTTTCTAGGTTAGGTCTTGCTTC
AAATCATTAATTGAAATTTCTCTTTGTTTTCATTTGTTTTGTTAAATTTTGTGTT

CATGATGAATTGAATCAAGTAGATTGGACTGGAGTTGAATCTCTCAATAAAACAG
CAGGTATCTAGGTTAAGATAAGGTATGATTGTGATAAACTTATCGCAGAAAACT
TTTGCAATTTGGAGATTTTGCCTAACAATGGTGGATGGTGCAACCCGCCACGACAA
CACTTTGACATGTCGCAACCTGCATTCAGAAGATTGCAGTTTCCAAAGCCGGCA
TTGAACCTGTGCTCTATAGAAAGTATGTTCCCATATCATATATCAACCACTACCAA
ATTTACATTCTCATGAATTAGTGACTGATATATTATCTACCTCTGTCTGTATATCTC
AGGGGTAGTTGCAAGAGAACTGGAGGGATTTCGATTGACCATCACCAGACGAGAT
TACTTCGACCTGGTCCTCATAAATAATGTAGGAGCAACTGGAGATATAGCAAAGG
TCTGGATGAAAGGGTCCAAAACAAATAGTTGGGAACCAATGTCCAGAAACTGGG
GATCAAACCTGCCAAAGCTCGACCTATCTGAATCGCCAGAGTTTATCATTTAGAAT
CCAGACAAGCAATGGACGTACGAAAACAGCATATAATGTCGCGGCTTCTAATTG
GGTATTCGGCCGATCTTACTCCAGCAATGTTTCAGTTCTAAGACATCTGACTCGAA
AATTTCCATTTCTTTCCTC