

IDENTIFICATION

Species: *Aquilegia coerulea*

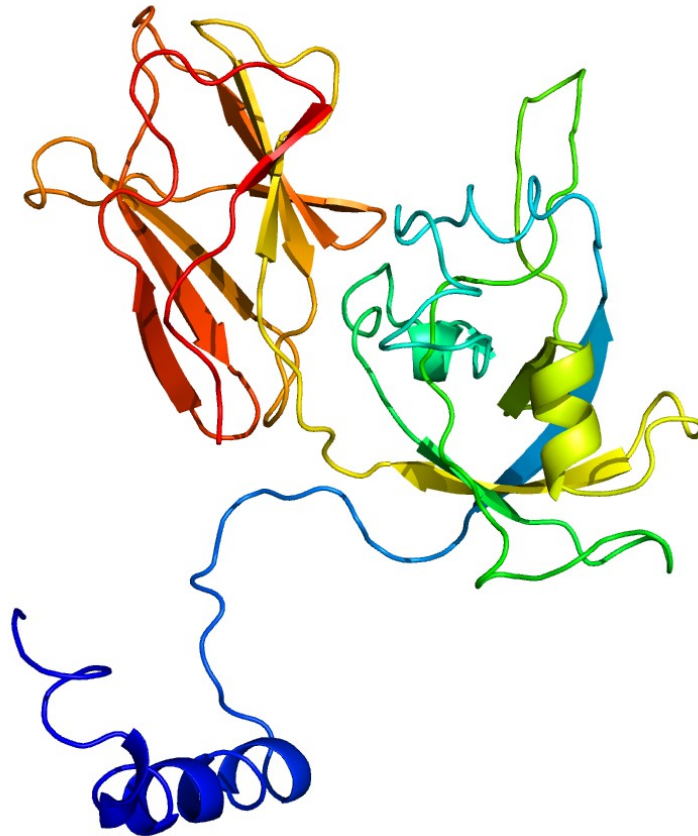
Locus: Aqcoe5G422300

Gene Model: Aqcoe5G422300.1.p

Description: AcEXPA-17

Family: Alpha Expasin

3D structure:

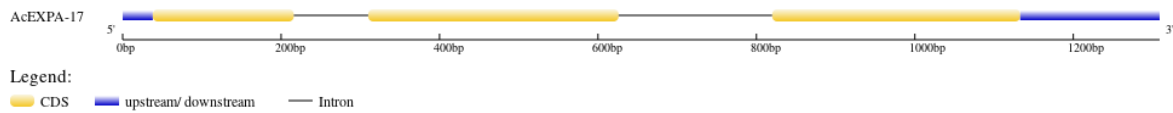


GENOME DATABASES

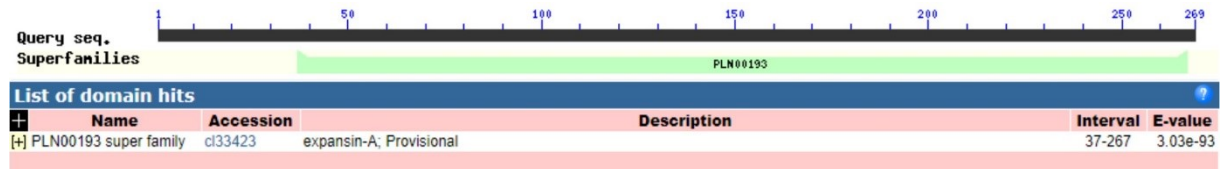
Phytozome: https://phytozome-next.jgi.doe.gov/info/Acoerulea_v3_1

EXTERNAL RESOURCES

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AcEXPA-17

MASSSSFSWCFCFFLMNFVWMMIMKSTAAGGVSSYFQPGPWQQAHAATFYGDETA
RETMGGACGYGNLFSSGYGTDAAALSTTLFNDGYACGTCYQIKCVQSQWCDKNTAF
TTVTATNICPPNWSQDSNDGGWCNPPRSHFDMSKPAFMKIA YWKAGIVPVL YRRVP
CIKTGGIQFSFQNGYWLLAYVTNVGGGGDIANMWVKGSKTKWISMSHNWGASYQ
AFATLGGQTL SFKITSYTTKQTIVVWNVAPSNWNVGISYKSSVNFH*

CDS (coding sequence)

>AcEXPA-17

ATGGCTTCATCTTCTTCTCCTCTTTCTCATGGTGTTTTTGCTTCTTCTTAATGAACTTT
GTATGGATGATGATCATGAAATCAACAGCAGCAGGAGGGGTATCAAGTATTTC
AGCCAGGTCCATGGCAACAAGCTCATGCCACCTTCTATGGTGATGAACTGCTCG
TGAAACAATGGGAGGAGCTTGTGGATATGGGAACCTATTTAGTTCTGGTTATGGA
ACTGACACAGCTGCATTGAGCACAACATTGTTCAACGACGGATATGCATGTGGAA
CTTGTTATCAAATAAAATGTGTTCAATCGCAGTGGTGCGACAAAAACACCGCATT
CACCCTGTGACTGCTACAAACATTTGCCACCAAATTGGTCTCAAGACTCCAAT
GATGGTGATGGTGCAACCCACCTAGATCTCATTTTGACATGTCTAAGCCTGCCTT
TATGAAAATCGCTTACTGGAAAGCTGGTATTGTGCCCGTGCTCTATCGCAGAGTG
CCGTGCATCAAGACTGGTGGAAATCAATTCTCATTCCAAGGGAATGGATACTGGT
TGTTGGCGTATGTGACGAATGTTGGAGGAGGAGGAGACATAGCAAACATGTGGG
TGAAAGGAAGCAAAACAAAATGGATAAGTATGAGTCACAACACTGGGGAGCATCAT
ACCAAGCATTGCAACACTAGGAGGCCAAACTCTTTCATTCAAGATTACTTCTTA
CACCACAAAGCAGACTATTGTAGTATGGAATGTTGCTCCTTCGAACTGGAATGTT
GGAATATCTTACAAGTCTTCAGTGAACCTTCACTGA

Nucleotide

>AcEXPA-17

GGTATTAAGCATTATCAATTTTAAGTCTAGGAAAGAGCATGGCTTCATCTTCTTCC
TCTTTCTCATGGTGTTTTTGCTTCTTCTTAATGAACTTTGTATGGATGATGATCATG
AAATCAACAGCAGCAGGAGGGGTATCAAGTATTTCAGCCAGGTCCATGGCAA

CAAGCTCATGCCACCTTCTATGGTGATGAAACTGCTCGTGAAACAATGGGTATGT
ATTTGATTGATTGAAATATATATTATTAGCTAAGTAAACCAACTTTTGTAGAATCT
TATTAATTTTCATGTTTCATCTTTGGGTTTACAGGAGGAGCTTGTGGATATGGGAACC
TATTTAGTTCTGGTTATGGAACCTGACACAGCTGCATTGAGCACAACATTGTTCAA
CGACGGATATGCATGTGGAACCTGTTATCAAATAAAAATGTGTTCAATCGCAGTGG
TGCGACAAAAACACCCGCATTCACCACTGTGACTGCTACAAACATTTGCCACCAA
ATTGGTCTCAAGACTCCAATGATGGTGGATGGTGCAACCCACCTAGATCTCATT
TGACATGTCTAAGCCTGCCTTTATGAAAATCGCTTACTGGAAAGCTGGTATTGTG
CCCGTGCTCTATCGCAGGTACTTACAATAACCTCTACACTTAATCATCAAACCCTA
ATTTTCATCTGAGTCCTTCAAGGGATAGTTTCATGAGTAGCAGTAATCAACTATAA
TATTTAGCTATTCTTGTTCCCTAGTCAACTTGGTTCTAATACTACATTTTATCTTCCT
GCTCTGAGTTCTTAATGGAACAATGTTTGACATGGTGTACAGAGTGCCGTGCAT
CAAGACTGGTGAATTCAATTCTCATTCCAAGGGAATGGATACTGGTTGTTGGCG
TATGTGACGAATGTTGGAGGAGGAGGAGACATAGCAAACATGTGGGTGAAAGGA
AGCAAAACAAAATGGATAAGTATGAGTCACAACCTGGGGAGCATCATACCAAGCA
TTTGCAACACTAGGAGGCCAAACTCTTTCATTCAAGATTACTTCTTACACCACAA
AGCAGACTATTGTAGTATGGAATGTTGCTCCTTCGAACTGGAATGTTGGAATATC
TTACAAGTCTTCAGTGAACCTTTCCTGACTCCTTCTCATCACCCACCCCTCTAAG
GTGCGAAAGCCTTTAGTTTTTGCTTTCTTTCTTTCAAACATGAAGTTGTGAAAGCT
CTCATTTTGTGCGTTAGAATTATGTAAACCCCTACATCTATGAAAGTTTTGACTCAT
TGATGTACGAAAATAAATGATCCTTTTGAGGATGTA