

Flower color in peas

Allele Definitions:

Gene pair C: purple (C) is dominant over white (c)

Gene pair P: purple (P) is dominant over white (p)

Interactions:

homozygous white (cc) or homozygous white (pp) produce the same phenotype

Genotype- Phenotype Relationships	
C _ P _	Purple
_ _ pp	white
cc _ _	white

Parental	ccPP (white) x CCpp (white)	
F1	CcPp (purple) x CcPp (purple)	
F2 Results		
Phenotype	Genotypes	Frequency
purple	CCPP, CcPP, CCPp, CcPp	9/16
white	CCpp, Ccpp, ccPP, ccPp, ccpp	7/16