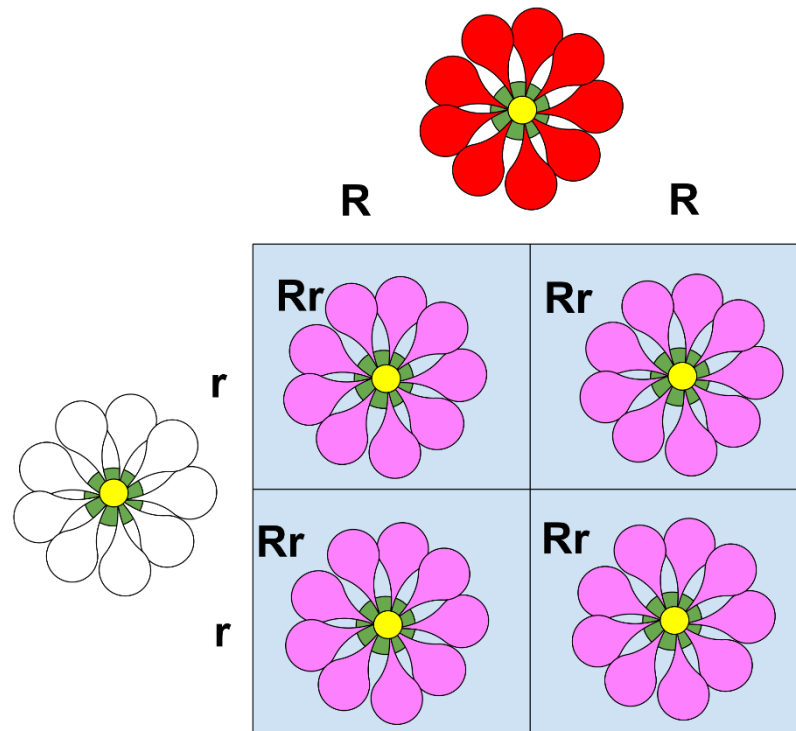


Genetics is NOT Simple!

- Not all genes show simple patterns of dominant and recessive alleles
- Some alleles are neither dominant or recessive
 - Some traits are controlled by multiple alleles or multiple genes

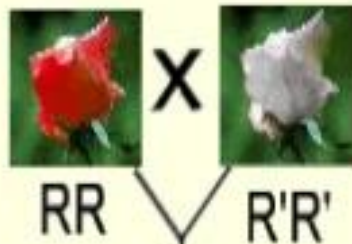
Incomplete Dominance = BLEND

- One allele is not completely dominant over the other.
 - E.g. a red and white flower cross and produce pink flowers



Incomplete dominance

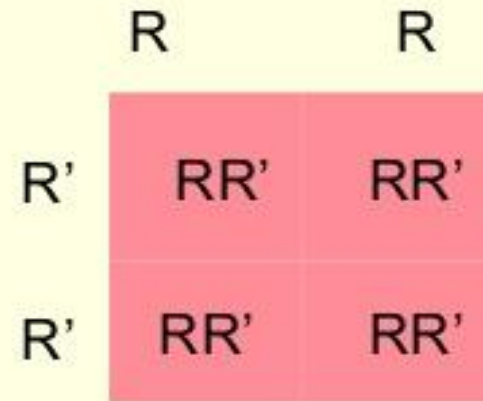
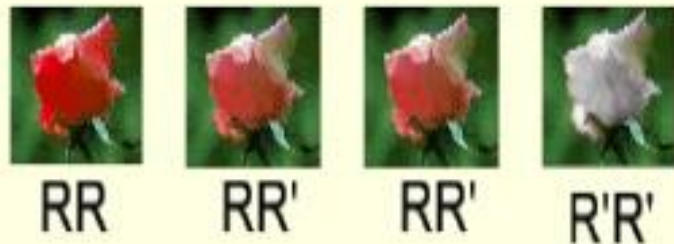
P



F1



F2



Codominance

- Both alleles contribute toward the phenotype
 - E.g. Mating a black chicken with a white chicken can produce a chicken with a black and white checkered pattern



		Black chicken	
		B	B
White chicken	W	BW Checkered	BW Checkered
	W	BW Checkered	BW Checkered

Dominant

Recessive



Codominant

Incomplete
Dominance