

Co-Dominance

Heterozygous individuals express both traits; seperately ... (Not a Mix)
 ... in patches, spots, or mottled appearance



genotype : $X^B X^O$
 B = Black
 O = orange
 XX = female
 sex linked
 (... next lesson)



genotype : RW Red & White
 both "letters" are Capital b/c Both are Dominant & Expressed

My "calico" cat
 - she has "orange" and "black" patches ...

A Red & White Camellia

Sometimes genotype symbols : $C^R C^W$
 C = colour
 R = red
 W = white

Eg.) 2 Red and White mottled (spotted) camellia's are bred.
 What is %'s of genotypes & phenotypes of offspring?

parents :

Blood Groups are Co-Dominant and given the symbols:

Type AB:

Type A:

Type B:

Type O:

Eg) A man with Type O blood & a woman with Type AB blood, Have a child with Type B blood. Is this possible? What is % probability of Type B?

Parents ♂ Type O x ♀ Type AB

Eg) A woman with type AB blood and a man with Type B blood have a child.

a) The child has Type A blood ... is this possible?

b) Explain why they will never have a child with Type O, blood?