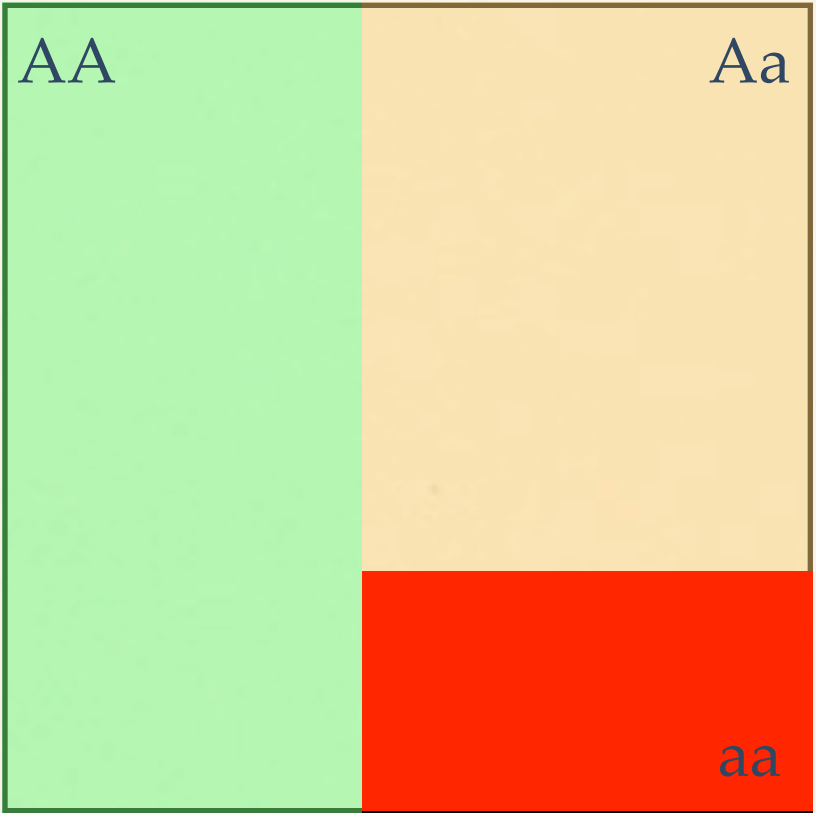
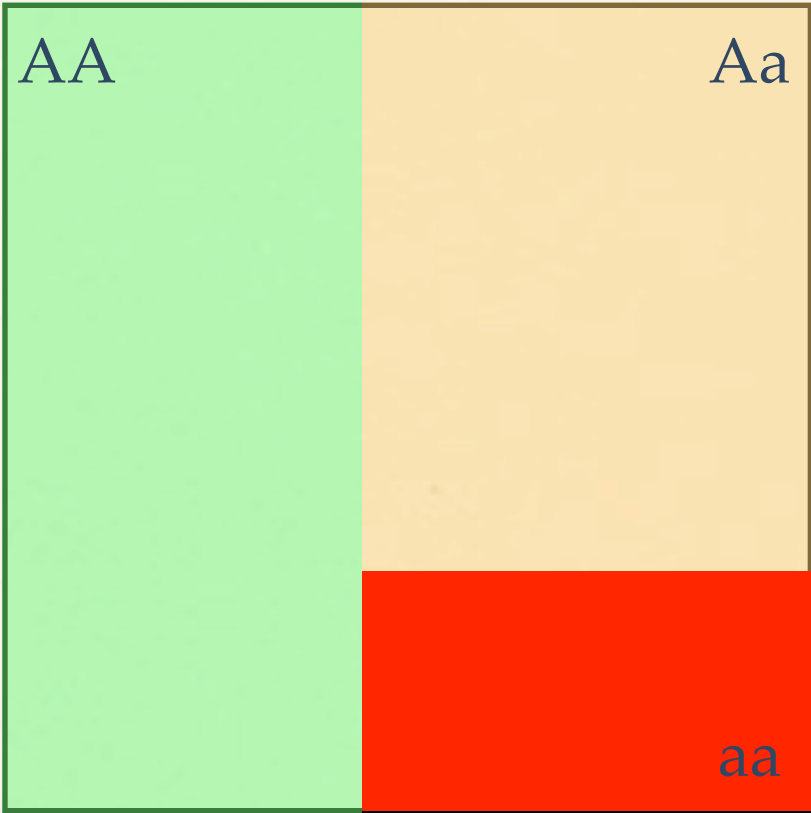


General (adult) population (both sexes):
individuals of genotypes AA, Aa, and aa

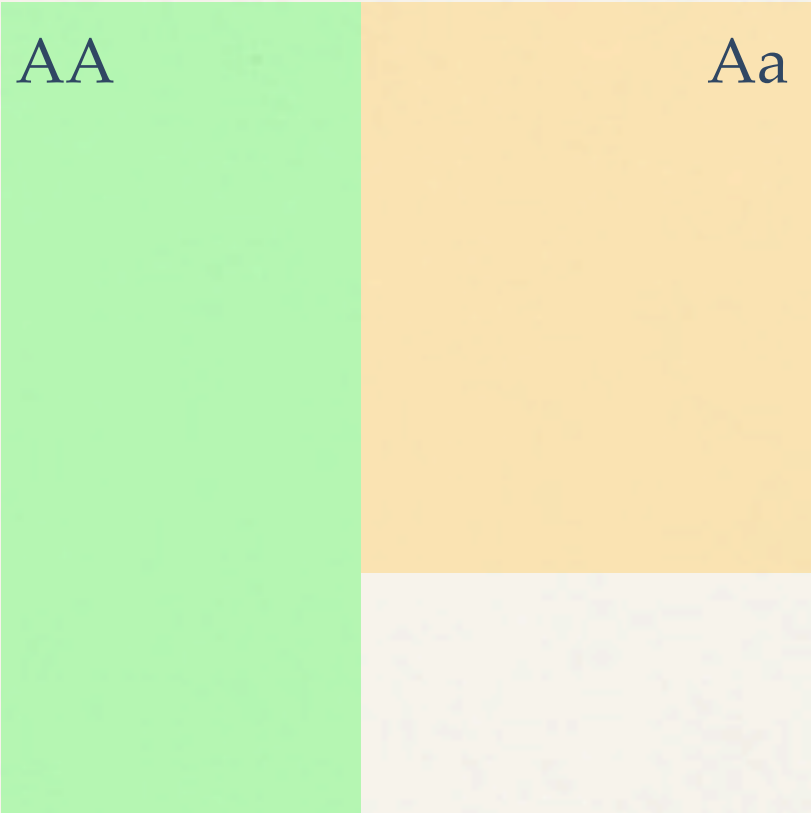


Genotype frequency in general population			
Genotype	AA	Aa	aa
Frequency	u	$2v$	w

General (adult) population (both sexes):
individuals of genotypes AA, Aa, and aa

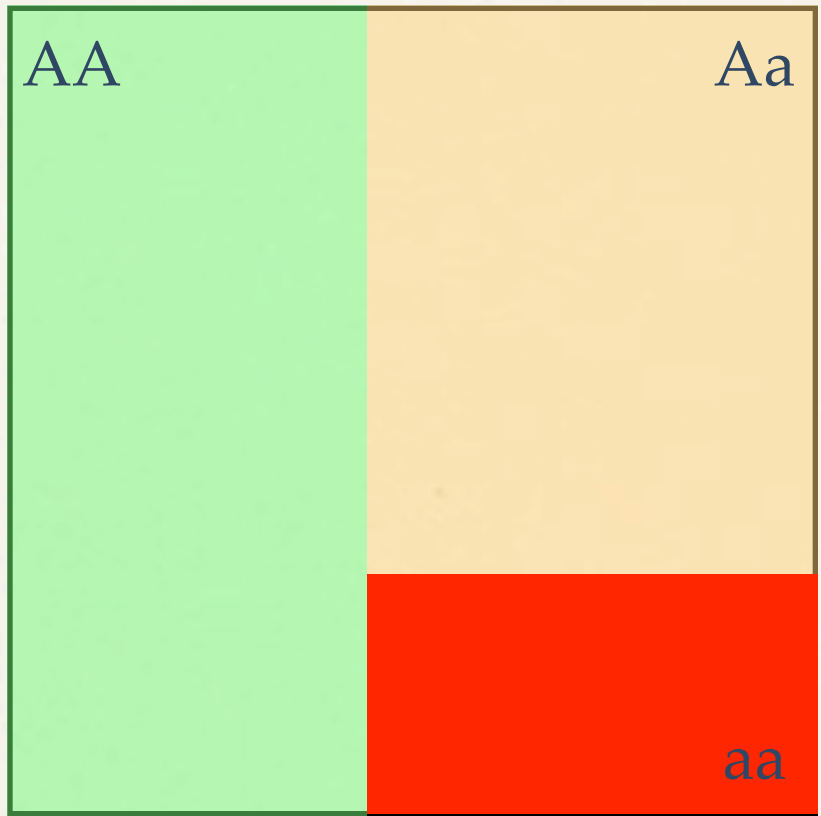


Mating population (both sexes):
only type AA or Aa individuals may mate



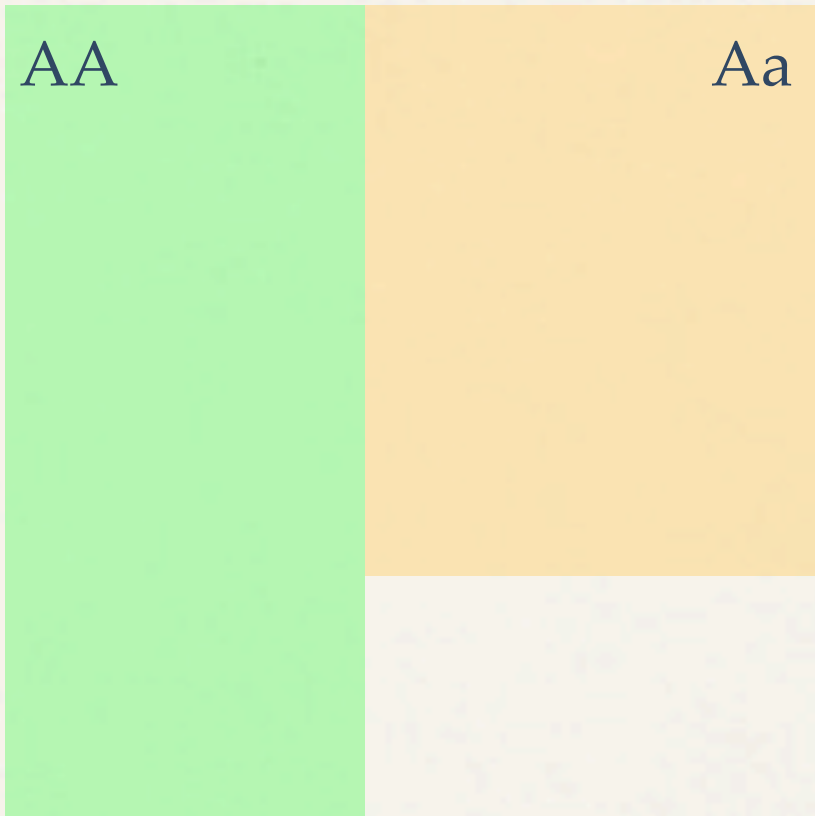
Genotype frequency in general population			
Genotype	AA	Aa	aa
Frequency	u	$2v$	w

General (adult) population (both sexes):
individuals of genotypes AA, Aa, and aa



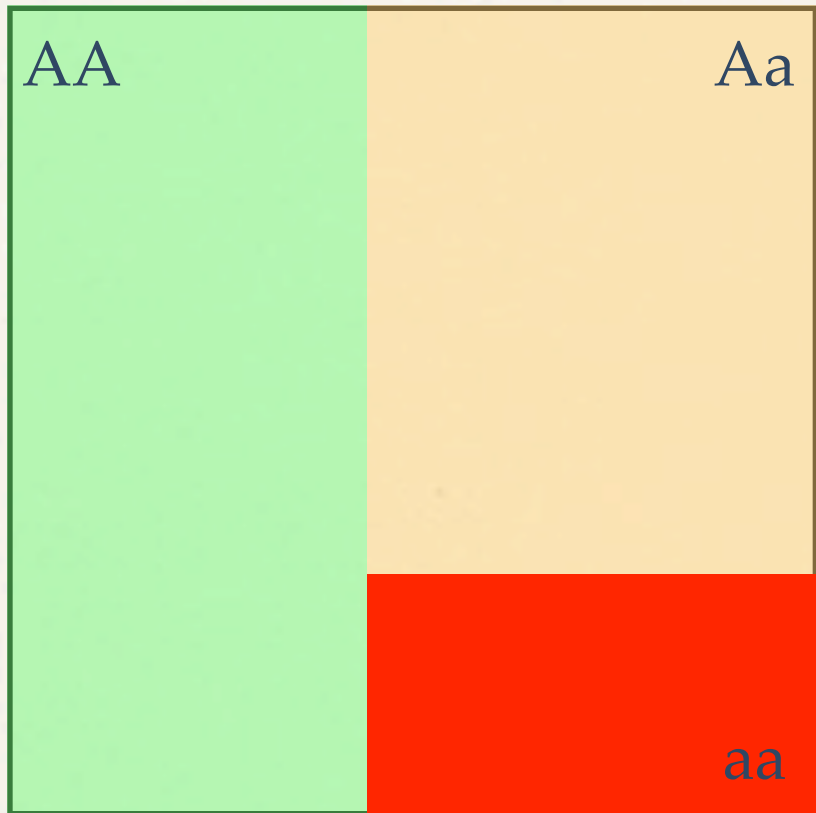
Genotype frequency in general population			
Genotype	AA	Aa	aa
Frequency	u	$2v$	w

Mating population (both sexes):
only type AA or Aa individuals may mate



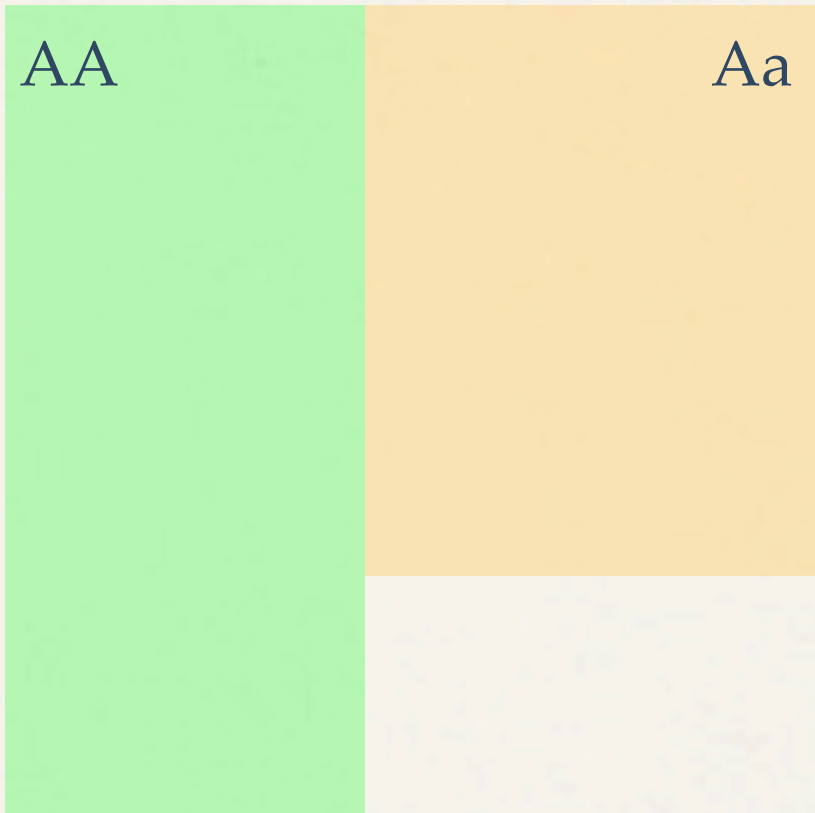
Genotype frequency in mating population			Conditional probability
Genotype	AA	Aa	
Frequency	$\frac{u}{1-w}$	$\frac{2v}{1-w}$	

General (adult) population (both sexes):
individuals of genotypes AA, Aa, and aa



Genotype frequency in general population			
Genotype	AA	Aa	aa
Frequency	u	$2v$	w

Mating population (both sexes):
only type AA or Aa individuals may mate



Conditional probability

Genotype frequency in mating population		
Genotype	AA	Aa
Frequency	$\frac{u}{1-w}$	$\frac{2v}{1-w}$

Additivity

Gene frequency in mating population		
Gene	A	a
Frequency	$p := \frac{u}{1-w} + \frac{1}{2} \cdot \frac{2v}{1-w} = \frac{u+v}{1-w}$	$q := \frac{1}{2} \cdot \frac{2v}{1-w} = \frac{v}{1-w}$