

Rr Yy (Both parents)
 ↑↑ ↑↑ ↑↑ ↑↑

Firsts RY

OUTERS Ry

Inners rY

Lasts ry

Rr Yy × Rr Yy

	R	r
R	RR	Rr
r	Rr	rr

	Y	y
Y	YY	Yy
y	Yy	yy

$RR = \frac{1}{4}$
 $Rr = \frac{2}{4}$
 $rr = \frac{1}{4}$

$RRYy$
 $\frac{1}{4} \times \frac{2}{4} = \frac{2}{16}$
 Round Yellow

$YY = \frac{1}{4}$
 $Yy = \frac{2}{4}$
 $yy = \frac{1}{4}$

Bb Hh Ee x bb Hh ee

b b

B	Bb	Bb
b	bb	bb

$Bb = \frac{2}{4}$

$bb = \frac{2}{4}$

H h

H	HH	Hh
h	Hh	hh

$HH = \frac{1}{4}$

$Hh = \frac{2}{4}$

$hh = \frac{1}{4}$

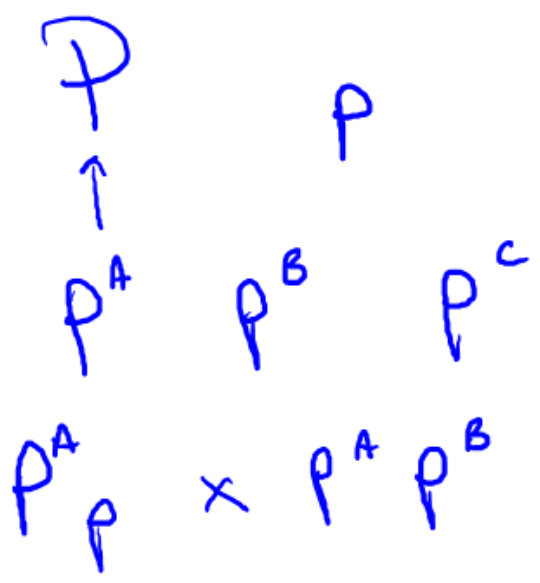
e e

E	Ee	Ee
e	ee	ee

$Ee = \frac{2}{4}$

$ee = \frac{2}{4}$

Multiple Allele



P^A mild

P^B mod

P^C classic

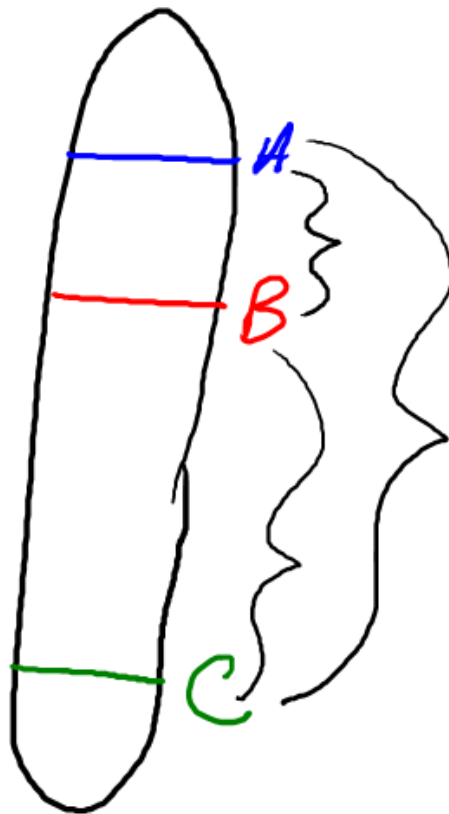
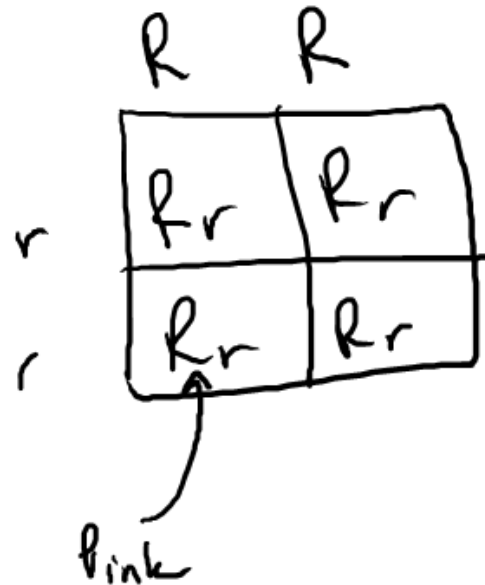
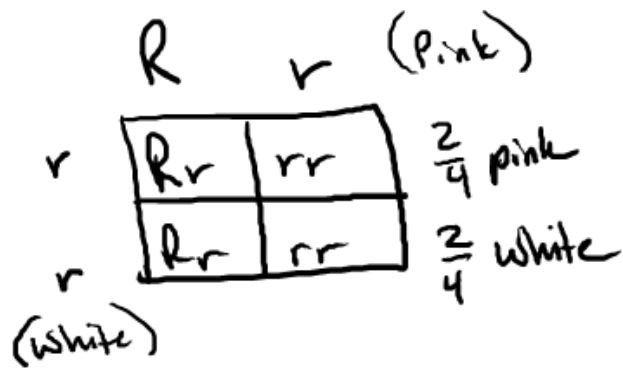
pp - no PKU

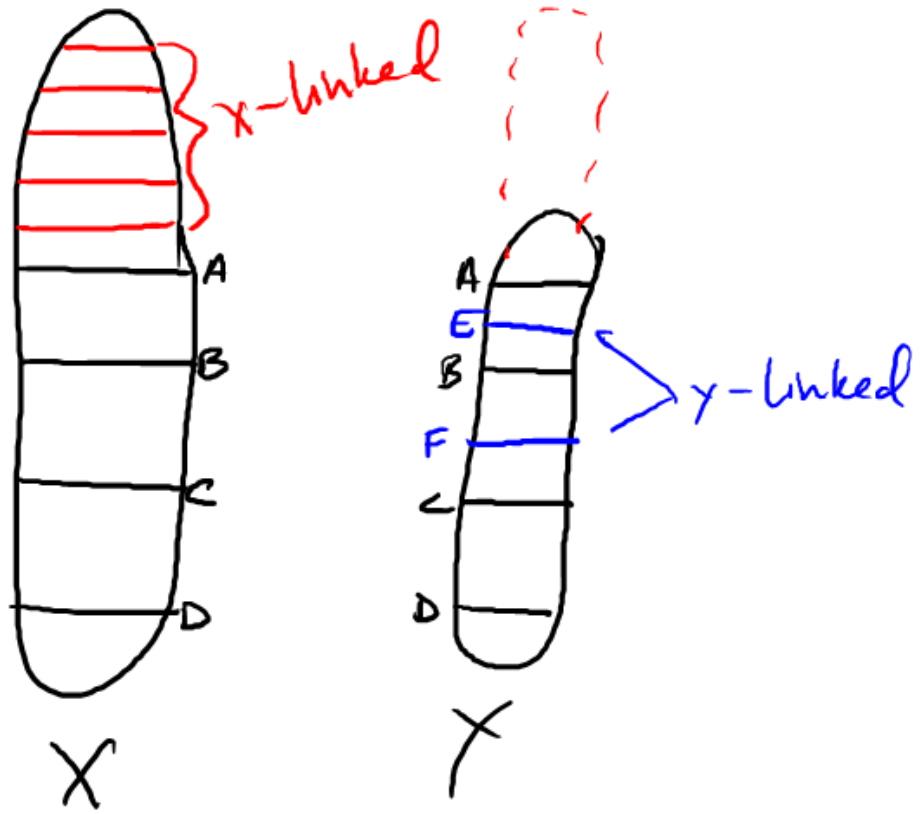
	P ^A	P ^B
P ^A	P ^A P ^A	P ^A P ^B
p	P ^A p	P ^B p

Incomplete Dom.

$RR = \text{red}$

$rr = \text{white}$





X^B X^b

X^b	$X^B X^b$ not bald	$\frac{1}{2}$ $X^b X^b$ bald
Y	$X^B Y$ not bald	$X^b Y$ bald