

# NON-MENDELIAN & 2 TRAITS




1. Determine formation of gametes of 2 trait P-Sg.
2. Understand set-up, reading, & identification of Non-Mendelian traits

## 2 TRAIT P-Sg.

\* inherit 1 form of each gene

4 gametes, 9 genotypes  
4 phenotypes

  $\Rightarrow ZY, Zy, zY, zy$

## Incomplete Dom.

"Not complete"  $\rightarrow$  BLEND

\* 3 Phenotypes  $\rightarrow$  middle form (heterozygous)

RR - Red, WW - white  
RW - Pink

## Co. Dom.

\* Both alleles are expressed

- 3 Phenotypes

\* hetero - see BOTH

RR - red, WW - white  
RW - white w/  
Red specks

## Multiple Allele

3+ alleles, 4+ phenotypes

\* defined - mouse fur

$\rightarrow$  Black, White, Gray, Brown

- Bar Graph

## Polygenic

\* many genes

\* RANGE of pheno.

 \* human height