

Incomplete Dominance

Incomplete Dominance - when two organisms are crossed and it is possible to see a new phenotype

Phenotypes: color of petals on a flower: white, red, pink

Genotypes: $WW = \text{white}$
 $RR = \text{red}$

Crossing an incomplete dominant Red plant with an incomplete dominant White plant.

| | | | |
|---------|----|----|---|
| (white) | R | R | (red) |
| ↓ | RW | RW | phenotype: of offspring = pink Genotype: RW 100% pink |
| W | RW | RW | |

P1

Creating an F1 generation

| | | | | | |
|---|----|----|----------|-------|-----|
| | R | W | | | |
| R | RR | RW | (1) RR = | Red | 25% |
| W | RW | WW | (2) RW = | pink | 50% |
| | | | (1) WW = | white | 25% |

Creating an F2 generation

| | | | | | |
|---|----|----|----------|------|-----|
| | R | R | | | |
| R | RR | RR | (2) RR = | Red | 50% |
| W | RW | RW | (2) RW = | pink | 50% |