

Punnett's Squares

These show the 2 alleles of each parent plant crossed with each other and the resulting 4 possible offspring with T = tall, t = short.

TT = dominant tall, tt = recessive short, Tt = mixed hybrid

TT = dominant tall (genotype tall, phenotype tall)

Tt = mixed hybrid (genotype hybrid, phenotype tall)

tt = recessive short (genotype short, phenotype short)

| | | |
|---|----|----|
| | T | T |
| T | TT | TT |
| T | TT | TT |

Both parents are dominant tall so all offspring are tall.

| | | |
|---|----|----|
| | T | t |
| T | TT | Tt |
| t | Tt | tt |

Both parents are mixed hybrids so offspring are a 3:1 ratio.

| | | |
|---|----|----|
| | T | T |
| T | TT | TT |
| t | Tt | Tt |

One parent is dominant tall and one is mixed hybrid so all offspring are tall.

| | | |
|---|----|----|
| | t | t |
| t | tt | tt |
| t | tt | tt |

Both parents are recessive short so all offspring are short.