

Parent

Interaction

The parent's genotype is represented by a 2x2 matrix. The top row contains A₁ and B₂, and the bottom row contains A₁ and B₁. A blue oval encloses the entire matrix. A red rectangle highlights the left column (A₁ A₁), and a green rectangle highlights the right column (B₂ B₁). Arrows point from the labels 'Interaction' and 'Dominance' to these rectangles, respectively.

A ₁	B ₂
A ₁	B ₁

Breeding
value

Dominance

Offspring

Offspring genotype matrix 1, enclosed in a blue oval. It shows the additive (breeding) value from the parent: A₁ A₁ over A₁ B₁.

A ₁	B ₂
A ₁	B ₁

Offspring genotype matrix 2, enclosed in a blue oval. It shows a recombination of alleles: A₂ B₁ over A₁ B₁.

A ₂	B ₁
A ₁	B ₁

Offspring genotype matrix 3, enclosed in a blue oval. It shows another recombination: A₂ B₂ over A₁ B₁.

A ₂	B ₂
A ₁	B ₁