

Beyond Mendel

Biology

The patterns that do not give simple dominant-recessive ratios.

Inheritance patterns beyond simple dominance.

Pattern	Means	Example
Incomplete dominance	Heterozygote is intermediate	Pink snapdragons
Codominance	Both alleles fully expressed	AB blood group
Multiple alleles	More than two in the population	ABO blood groups
Polygenic	Many genes, continuous variation	Height, skin colour
Epistasis	One gene masks another	Coat colour in mice
Sex linkage	Gene on a sex chromosome	Haemophilia, colour blindness

X-linked recessive conditions affect males far more often: males have only one X, so there is no second allele to mask it.