

Human Traits

The following are considered to be single gene traits—expressions of various combinations of two alleles at one gene locus. Find out if your traits are dominant or recessive and plot them on the genetic wheel to see genetic variation within your class.

Laugh dimples

- ll no dimples (homozygous recessive)
- L dimples (heterozygous or homozygous dominant)

Tongue roll

- tt can't roll tongue into "U" shape (homozygous recessive)
- T can roll tongue into "U" shape (heterozygous or homozygous dominant)

Crossing Thumbs

- cc right thumb on top of clasped hands (homozygous recessive)
- C left thumb on top of clasped hands (heterozygous or homozygous dominant)

Pinkies

- pp pinkies are straight when pressed side by side (homozygous recessive)
- P pinkies bend away from each other, toward the ring fingers, when pressed side by side (heterozygous or homozygous dominant)

Ear lobes

- ee attached ear lobe (homozygous recessive)
- E free ear lobe (heterozygous or homozygous dominant)

Widow's peak

- ww no widow's peak (homozygous recessive)
- W has a widow's peak (heterozygous or homozygous dominant)

Bending thumbs (Hitch-hiker's thumb)

- bb thumb bends at 90 degree angle (homozygous recessive)
- B thumb is straight (heterozygous or homozygous dominant)