

key words for genetics

One of the phenotypes you will learn about when 23andMe genotypes you is whether you can taste a bitter flavor in raw broccoli. Some people's tongue cells make a protein that can detect bitter flavors; others make one that can't. Each of your cells contains a copy of your genome, which is made up of a molecule called DNA. Your genome contains genes, which are blueprints that encode proteins like the one made by your tongue cells. Different people can have different blueprints because of differences in their SNPs. There are two versions of the SNP shown here, and each leads to a different version of the gene, which in turn encodes a different version of the protein. One version of the protein can detect the bitter flavor of raw broccoli, while the other cannot.

