## THE EXPERIMENT

DO YOU HAVE AN ALU INSERTION IN THE GENE TPA-25 (TISSUE PLASMINOGEN ACTIVATOR) ON CHROMOSOME 8 OF YOUR GENOME?

**BASICALLY A "DNA" EXPERIMENT.** 

**BASICALLY WE'RE DOING MOLECULAR BIOLOGY.** 

WHAT IS THIS ALU INSERTION? 300bp SEQUENCE IN YOUR GENOME YOU ACTUALLY HAVE LOTS! LOOKING FOR ONE IN PARTICULAR CHROMOSOME 8, TPA-25 LOCI GENOTYPE? +/+| -/-| +/-WHAT DOES IT DO?



## LABEL TUBE WITH PERMANENT MARKER LOAD YOUR "SPIT" TUBE INTO CENTRIFUGE



WITH YOUR PELLET





IN EITHER THE LARGE OR MICROCENTRIFUGE TUBE



## CHROMOSOME 8, TPA-25 LOCI



I wandered lonely as a cloud That floats on high o'er vales and hills, When all at once I saw a crowd, A host, of golden daffodils; Beside the lake, beneath the trees, Fluttering and dancing in the breeze.

Continuous as the stars that shine And twinkle on the milky way, They stretched in never-ending line Along the margin of a bay: Ten thousand saw I at a glance, Tossing their heads in sprightly dance.

The waves beside them danced; but they Out-did the sparkling waves in glee: A poet could not but be gay, In such a jocund company: I gazed---and gazed---but little thought What wealth the show to me had brought:

For oft, when on my couch I lie In vacant or in pensive mood, They flash upon that inward eye Which is the bliss of solitude; And then my heart with pleasure fills, And dances with the daffodils.

William Wordsworth























What about the other 4?











