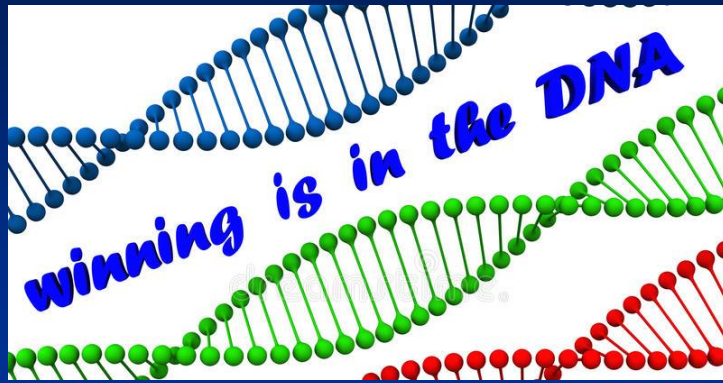


Athletes Who Are Mutants: Part 1



1

Athletes Who Are Mutants: Part 1

What are mutants, genes and DNA? (1 slide)

Animals who are mutants (2 slides)

2

What is DNA? ... a gene? ... a **mutant**?

Each nucleus has 46 chromosomes

Each chromosome is made of DNA

DNA is made of 3,000,000,000 links

23,000 genes are on a chromosome

Human

Cell

Nucleus

Chromosome (black region - genes)

DNA

Body made of cells

One nucleus is in each cell

A **mutant** is a person with a gene that has changed

3

Animal **Mutants**

Belgian Blue Cow

Excess muscle
Little fat
No hair

...**mutant**
...**ミュータント**

4

Same Mutation in Dogs



Normal Whippet



Mutant Whippet