

# Chromosomes

Diploid

Referred to as

Pairs

come in

are made of

DNA

that contain

of

of

Same genes

Equal length

Same shape

can undergo

can be

Mutation

"Normal"

are said to be  
are said to be  
are said to be

Homologous pair

can result in

can result in

non-functioning protein

functioning protein

can contain

coding for

coding for  
labeled

labeled

2 alleles  
(alternative forms of gene)

recessive

dominant

expressed when

example

example

expressed when

Homozygous  
(2 copies)

Cystic Fibrosis

Ras oncogene & cancer

Homozygous  
(2 copies or heterozygous  
(1 copy))

results in

Recessive phenotype

results in

Dominant Phenotype