

# Single Nucleotide Polymorphisms (SNPs)

National Human Genome Research Institute (NHGRI)

## Source

National Human Genome Research Institute (NHGRI). *Single Nucleotide Polymorphisms (SNPs)*.

Individual 1		Individual 4	
Chr 2	...CGATATTCC <b>T</b> ATCGAATGTC...	Chr 2	...CGATATTCC <b>T</b> ATCGAATGTC...
copy1	...GCTATAAGGA <b>A</b> TAGCTTACAG...	copy1	...GCTATAAGGA <b>A</b> TAGCTTACAG...
Chr 2	...CGATATTCC <b>C</b> ATCGAATGTC...	Chr 2	...CGATATTCC <b>C</b> ATCGAATGTC...
copy2	...GCTATAAGG <b>G</b> TAGCTTACAG...	copy2	...GCTATAAGG <b>G</b> TAGCTTACAG...
Individual 2		Individual 5	
Chr 2	...CGATATTCC <b>C</b> ATCGAATGTC...	Chr 2	...CGATATTCC <b>C</b> ATCGAATGTC...
copy1	...GCTATAAGG <b>G</b> TAGCTTACAG...	copy1	...GCTATAAGG <b>G</b> TAGCTTACAG...
Chr 2	...CGATATTCC <b>C</b> ATCGAATGTC...	Chr 2	...CGATATTCC <b>T</b> ATCGAATGTC...
copy2	...GCTATAAGG <b>G</b> TAGCTTACAG...	copy2	...GCTATAAGG <b>A</b> TAGCTTACAG...
Individual 3		Individual 6	
Chr 2	...CGATATTCC <b>T</b> ATCGAATGTC...	Chr 2	...CGATATTCC <b>C</b> ATCGAATGTC...
copy1	...GCTATAAGG <b>A</b> TAGCTTACAG...	copy1	...GCTATAAGG <b>G</b> TAGCTTACAG...
Chr 2	...CGATATTCC <b>T</b> ATCGAATGTC...	Chr 2	...CGATATTCC <b>T</b> ATCGAATGTC...
copy2	...GCTATAAGG <b>A</b> TAGCTTACAG...	copy2	...GCTATAAGG <b>A</b> TAGCTTACAG...

Single nucleotide polymorphisms (SNPs) are a type of polymorphism involving variation of a single base pair. Scientists are studying how single nucleotide polymorphisms, or SNPs (pronounced "snips"), in the human genome correlate with disease, drug response, and other phenotypes.