

Polymorphism



Single nucleotide polymorphism (SNP)

Individual 1

Chr 2 ..CGATATTCC**T**ATCGAATGTC..
copy1 ..GCTATAAGG**A**UAGCTTACAG..

Chr 2 ..CGATATTCC**C**ATCGAATGTC..
copy2 ..GCTATAAGG**G**TAGCTTACAG..

Individual 2

Chr 2 ..CGATATTCC**C**ATCGAATGTC..
copy1 ..GCTATAAGG**G**TAGCTTACAG..

Chr 2 ..CGATATTCC**C**ATCGAATGTC..
copy2 ..GCTATAAGG**G**TAGCTTACAG..

Short tandem repeat polymorphism (STRP)

Individual 3

Repeat unit

Chr 2 ..CGATATTCC**CAGCAGCAG**ATCGAATGTC..
copy1 ..GCTATAAGG**CAGCAGCAG**TAGCTTACAG..

Chr 2 ..CGATATTCC**CAGCAGCAGCAGCAG**ATCGAATGTC..
copy2 ..GCTATAAGG**CAGCAGCAGCAGCAG**TAGCTTACAG..

Individual 4

Chr 2 ..CGATATTCC**CAGCAGCAGCAGCAG**ATCGAATGTC..
copy1 ..GCTATAAGG**CAGCAGCAGCAGCAG**TAGCTTACAG..

Chr 2 ..CGATATTCC**CAGCAGCAGCAGCAGCAGCAG**ATCGAATGTC..
copy2 ..GCTATAAGG**CAGCAGCAGCAGCAGCAGCAG**TAGCTTACAG..