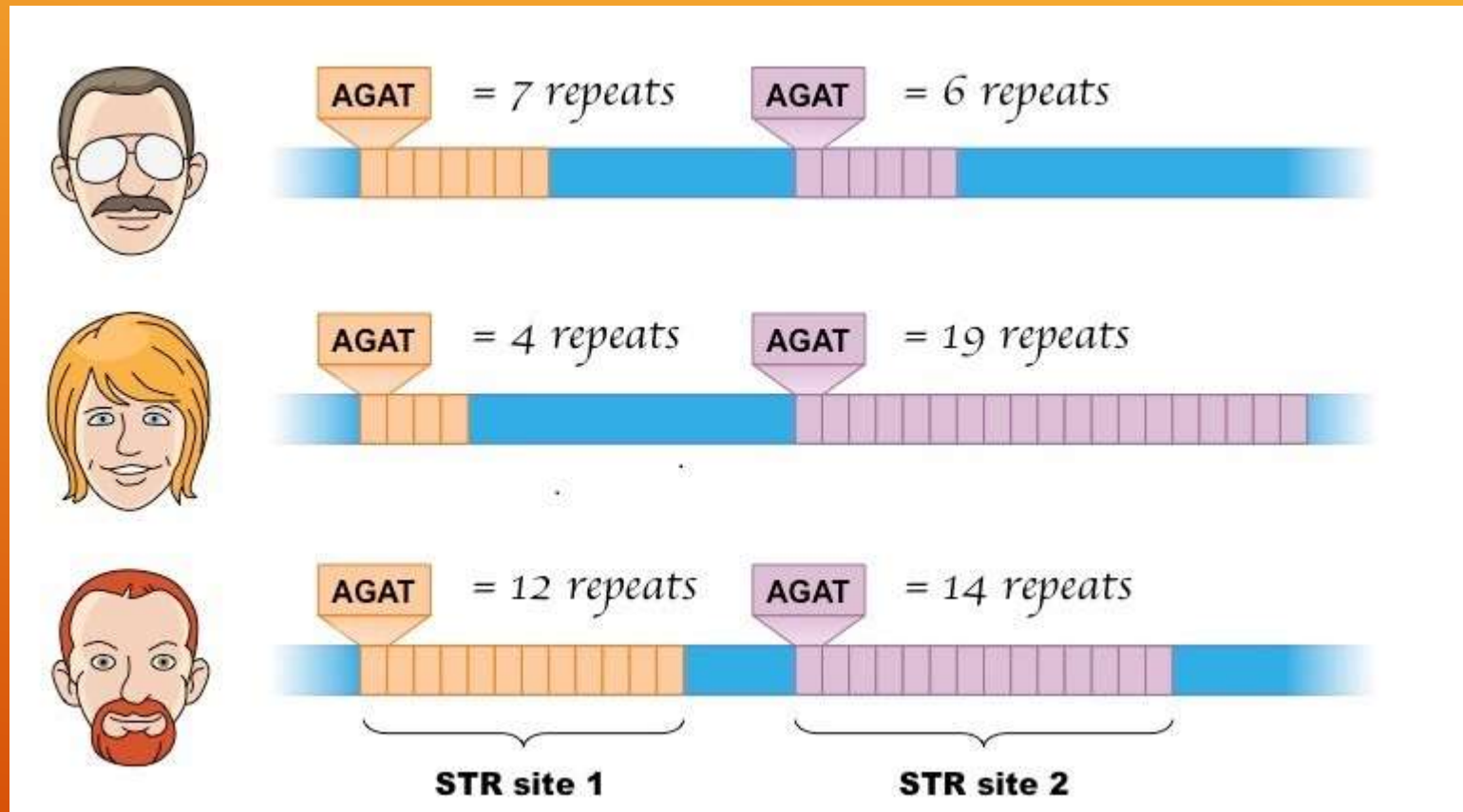
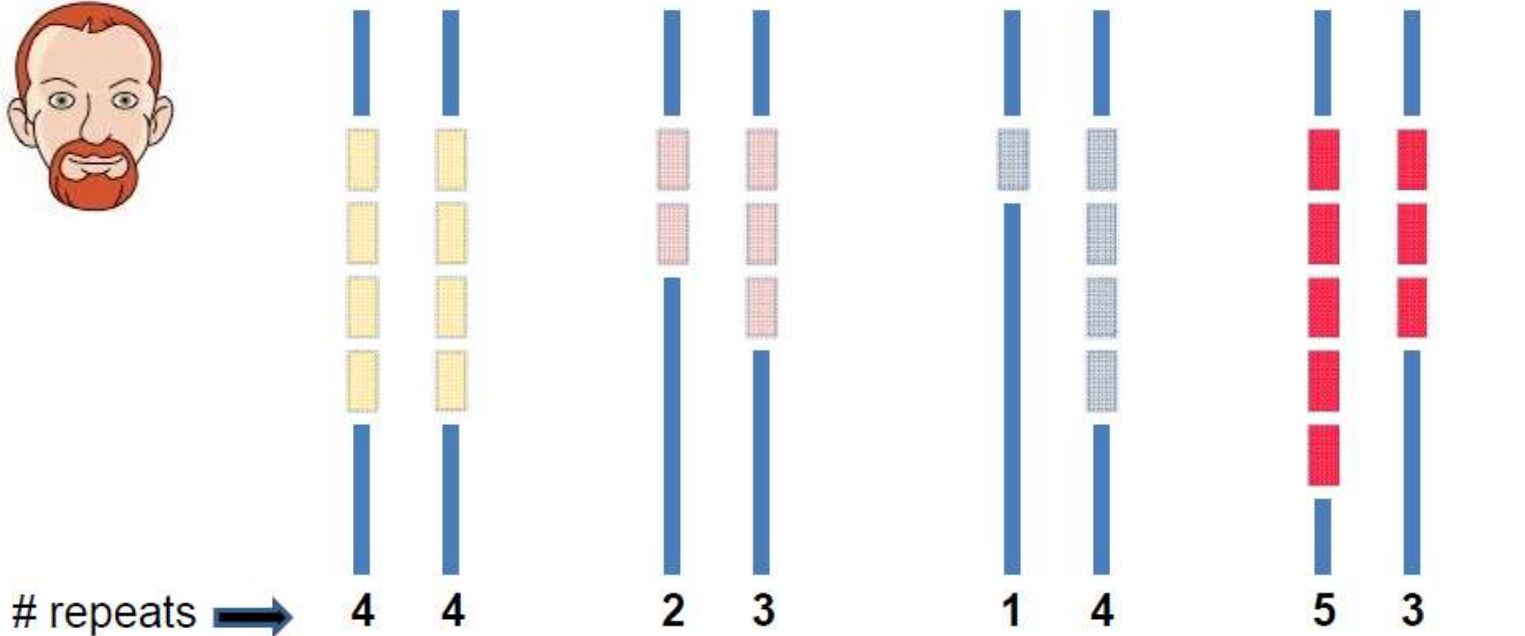


# MICROSATELLITI (STR): 2 loci su uno stesso cromosoma (STR site 1, STR site 2)



# MICROSATELLITI (STR): loci su 4 cromosomi diversi

## Short Tandem Repeats (STRs) in DNA



Chromosome #    **Chr 8**                      **Chr 21**                      **Chr 7**                      **Chr 13**  
Marker Name    (D8S1179)                      (D21S11)                      (D7S820)                      (D13S317)

Genotype            4 , 4                      2 , 3                      1 , 4                      5 , 3  
Or "Profile":  
   or "4"



# CATEGORIES FOR STR MARKERS

These categories were first described by Urquhart *et al.* (1994) *Int. J. Legal Med.* 107:13-20

Categoria	Struttura Repeat	13 CODIS Loci
<p><u>Simple repeats</u> – contain units of identical length and sequence</p>	<p>(GATA)(GATA)(GATA)</p>	<p>TPOX, CSF1PO, D5S818, D13S317, D16S539</p>
<p><u>Simple repeats with non-consensus alleles</u> (e.g., TH01 9.3)</p>	<p>(GATA)(GAT-)(GATA)</p>	<p>TH01, D18S51, D7S820</p>
<p><u>Repeats composti</u> comprise two or more adjacent simple repeats</p>	<p>(GATA)(GATA)(GACA)</p>	<p>VWA, FGA, D3S1358, D8S1179</p>
<p><u>Complex repeats</u> – contain several repeat blocks of variable unit length</p>	<p>(GATA)(GACA)(CA)(CATA)</p>	