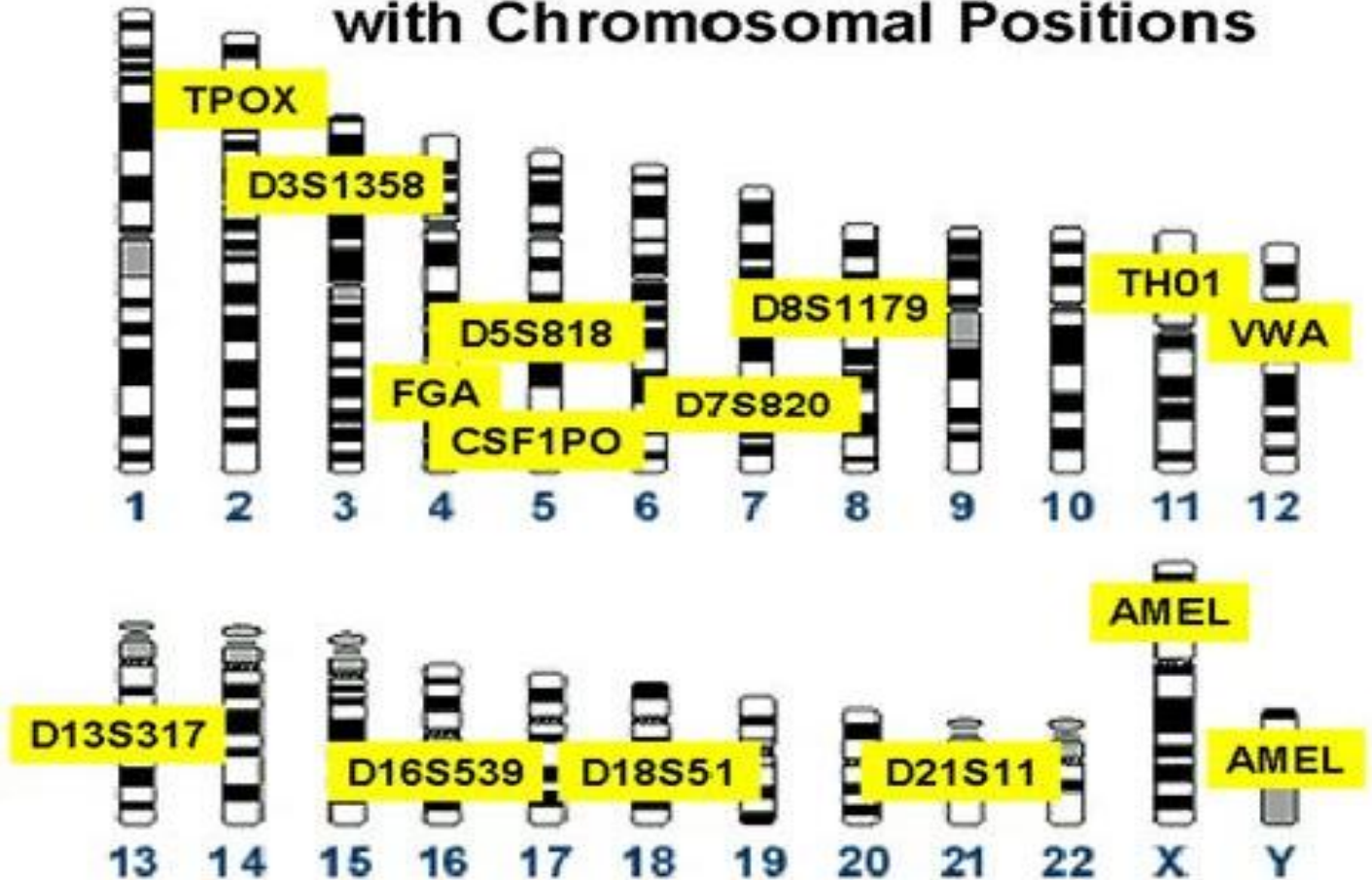


13 CODIS Core STR Loci with Chromosomal Positions



The human chromosomes and chromosomal locations (CODIS sites) at which the FBI looks for repeating DNA sequences.

For the class activity, note the TPOX region on chromosome 2.

(X and Y count as one chromosome pair. The AMELs are not CODIS sites.)

Source: Biochemical Science Division, Chemical Science & Technology Laboratory, National Institute of Standards and Technology, <http://www.cstl.nist.gov/div831/strbase/images/codis.jpg> and <http://www.cstl.nist.gov/div831/strbase/fbicore.htm>

Base Pair Sequences			
Chromosome from father		Chromosome from mother	
G	C	G	C
A	T	A	T
A	T	A	T
T	A	T	A
G	C	G	C
A	T	A	T
A	T	A	T
T	A	T	A
		G	C
		A	T
		A	T
		T	A

**TPOX region of chromosome 2 of hair
found in bank robber's glove.**

TPOX, hair in glove		TPOX, Suspect 1		TPOX, Suspect 2	
G	G	A	G	T	G
A	A	C	C	C	G
A	A	A	G	A	G
T	T	G	G	G	G
G	G	A	A	A	A
A	A	A	T	A	A
A	A	T	A	T	T
T	T	G	G	G	G
	G	A	A	A	A
	A	A	A	A	A
	A	T	T	T	T
	T	G	G	G	C
		A	A	A	T
		A	C	A	G
		G	G	T	A
		G	G	G	C
		A	A	A	T
		A	A	A	G
		T	T	T	A

Comparison of the TPOX region of chromosome 2 of the unknown bank robber and two suspects.