

STR Locus	SOC Sample	Accused X	Accused Y	Allele Frequencies (Example)	Genotype Freq (SOC vs X)	Genotype Freq (SOC vs Y)
CSF1PO	11, 12	11, 12	12, 13	11=0.10; 12=0.11; 13=0.09		
D1S1656	14, 16	14, 16	15, 16	14=0.08; 15=0.09; 16=0.07		
D2S441	10, 12	10, 12	11, 12	10=0.12; 11=0.10; 12=0.09		
D2S1338	19, 22	19, 22	20, 22	19=0.09; 20=0.07; 22=0.11		
D3S1358	16, 18	16, 18	17, 18	16=0.12; 17=0.10; 18=0.08		
D5S818	11, 13	11, 13	12, 13	11=0.10; 12=0.09; 13=0.12		
D7S820	9, 11	9, 11	10, 11	9=0.11; 10=0.10; 11=0.09		
D8S1179	13, 14	13, 14	14, 15	13=0.10; 14=0.09; 15=0.07		
D10S1248	15, 16	15, 16	16, 17	15=0.09; 16=0.10; 17=0.08		
D12S391	19, 21	19, 21	20, 21	19=0.08; 20=0.10; 21=0.09		
D13S317	8, 12	8, 12	11, 12	8=0.11; 11=0.09; 12=0.10		
D16S539	9, 12	9, 12	11, 12	9=0.10; 11=0.08; 12=0.09		
D18S51	14, 17	14, 17	16, 17	14=0.09; 16=0.08; 17=0.07		
D19S433	12, 15	12, 15	13, 15	12=0.11; 13=0.08; 15=0.09		
D21S11	28, 30	28, 30	29, 30	28=0.07; 29=0.08; 30=0.06		
FGA	21, 24	21, 24	22, 24	21=0.10; 22=0.09; 24=0.12		
TH01	6, 9	6, 9	8, 9	6=0.09; 8=0.08; 9=0.11		
TPOX	8, 11	8, 11	9, 11	8=0.10; 9=0.08; 11=0.09		
vWA	17, 19	17, 19	18, 19	17=0.09; 18=0.07; 19=0.10		
Amelogenin	X, Y	X, Y	X, Y	Sex marker		

#### Rape Case

- Crime: Reported rape in a dormitory.
- Evidence: Finger nail scraping from the victim
- Comparison:
- SOC DNA (from underneath the fingernails of victim)
- Suspect X: Victim's acquaintance who was present in the dorm
- Suspect Y: Roommate's boyfriend, alleged to be elsewhere