

STR Locus	SOC Sample (Alleles)	Accused X (Alleles)	Accused Y (Alleles)	Allele Frequencies (Example)	Genotype Frequency (SOC vs. X)	Genotype Frequency (SOC vs. Y)
CSF1PO	10, 12	10, 12	11, 12	10 = 0.12; 12 = 0.11; 11 = 0.10		
D1S1656	13, 16	13, 16	13, 15	13 = 0.14; 16 = 0.07; 15 = 0.08		
D2S441	10, 14	10, 14	12, 14	10 = 0.09; 14 = 0.10; 12 = 0.11		
D2S1338	19, 23	19, 23	20, 23	19 = 0.08; 23 = 0.09; 20 = 0.07		
D3S1358	15, 18	15, 18	15, 17	15 = 0.12; 18 = 0.08; 17 = 0.09		
D5S818	11, 12	11, 12	12, 13	11 = 0.13; 12 = 0.12; 13 = 0.09		
D7S820	10, 12	10, 12	11, 12	10 = 0.11; 12 = 0.09; 11 = 0.10		
D8S1179	12, 14	12, 14	13, 14	12 = 0.11; 14 = 0.09; 13 = 0.08		
D10S1248	14, 16	14, 16	15, 16	14 = 0.12; 16 = 0.11; 15 = 0.07		
D12S391	18, 20	18, 20	19, 20	18 = 0.09; 20 = 0.12; 19 = 0.08		
D13S317	8, 11	8, 11	9, 11	8 = 0.11; 11 = 0.10; 9 = 0.09		
D16S539	11, 13	11, 13	12, 13	11 = 0.13; 13 = 0.10; 12 = 0.08		
D18S51	12, 15	12, 15	14, 15	12 = 0.09; 15 = 0.10; 14 = 0.08		
D19S433	13, 14	13, 14	14, 15	13 = 0.12; 14 = 0.09; 15 = 0.07		
D21S11	29, 31	29, 31	29, 32	29 = 0.10; 31 = 0.07; 32 = 0.06		
FGA	22, 25	22, 25	22, 24	22 = 0.13; 25 = 0.12; 24 = 0.07		
TH01	7, 9	7, 9	8, 9	7 = 0.12; 9 = 0.11; 8 = 0.10		
TPOX	8, 11	8, 11	9, 11	8 = 0.10; 11 = 0.09; 9 = 0.08		
vWA	16, 19	16, 19	16, 20	16 = 0.14; 19 = 0.10; 20 = 0.07		
Amelogenin	X, Y	X, Y	X, Y	Sex marker (not frequency-based)		

Burglary at a Residence

- Crime: Forced entry into a home.
- Evidence: Bloodstain on a broken window frame.
- Comparison:
- SOC DNA (blood from window frame)
- Suspect X: Neighbor with burglary history
- Suspect Y: Bystander who claimed he saw the suspect