

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, 13	10, 13	11, 13	10=0.12; 11=0.10; 13=0.09		
D1S1656	15, 18	15, 18	16, 18	15=0.09; 16=0.08; 18=0.07		
D2S441	11, 14	11, 14	12, 14	11=0.11; 12=0.09; 14=0.10		
D2S1338	20, 23	20, 23	21, 23	20=0.08; 21=0.07; 23=0.09		
D3S1358	16, 17	16, 17	15, 17	15=0.12; 16=0.09; 17=0.08		
D5S818	10, 12	10, 12	11, 12	10=0.10; 11=0.09; 12=0.11		
D7S820	8, 12	8, 12	10, 12	8=0.12; 10=0.09; 12=0.10		
D8S1179	14, 15	14, 15	13, 15	13=0.10; 14=0.08; 15=0.09		
D10S1248	12, 15	12, 15	14, 15	12=0.09; 14=0.08; 15=0.10		
D12S391	17, 20	17, 20	18, 20	17=0.08; 18=0.09; 20=0.10		
D13S317	9, 12	9, 12	11, 12	9=0.11; 11=0.09; 12=0.08		
D16S539	10, 11	10, 11	11, 12	10=0.12; 11=0.09; 12=0.07		
D18S51	15, 19	15, 19	17, 19	15=0.09; 17=0.08; 19=0.07		
D19S433	12, 14	12, 14	13, 14	12=0.10; 13=0.09; 14=0.08		
D21S11	30, 32	30, 32	29, 32	29=0.08; 30=0.09; 32=0.07		
FGA	22, 24	22, 24	23, 24	22=0.10; 23=0.08; 24=0.11		
TH01	7, 9	7, 9	8, 9	7=0.09; 8=0.10; 9=0.08		
TPOX	8, 11	8, 11	9, 11	8=0.11; 9=0.09; 11=0.08		
vWA	17, 20	17, 20	18, 20	17=0.09; 18=0.08; 20=0.10		
Amelogenin	X, Y	X, Y	X, Y	Sex marker		

Armed Robbery in a Convenience Store

- Crime: Masked men robbed a 24-hour store.
- Evidence: Mask left in a trash bin outside.
- Comparison:
- SOC DNA (inner lining of the mask)
- Suspect X: Apprehended suspect caught nearby with stolen money
- Suspect Y: His alleged accomplice, who denies involvement