

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	9, 11	9, 11	10, 11	9=0.10; 10=0.08; 11=0.12		
D1S1656	14, 17	14, 17	15, 17	14=0.09; 15=0.10; 17=0.08		
D2S441	11, 13	11, 13	12, 13	11=0.09; 12=0.08; 13=0.11		
D2S1338	18, 24	18, 24	19, 24	18=0.08; 19=0.09; 24=0.10		
D3S1358	15, 19	15, 19	16, 19	15=0.12; 16=0.10; 19=0.09		
D5S818	12, 14	12, 14	13, 14	12=0.11; 13=0.08; 14=0.10		
D7S820	8, 10	8, 10	9, 10	8=0.12; 9=0.09; 10=0.11		
D8S1179	13, 15	13, 15	14, 15	13=0.10; 14=0.09; 15=0.08		
D10S1248	12, 14	12, 14	13, 14	12=0.09; 13=0.08; 14=0.10		
D12S391	18, 22	18, 22	20, 22	18=0.09; 20=0.08; 22=0.11		
D13S317	9, 11	9, 11	10, 11	9=0.10; 10=0.09; 11=0.12		
D16S539	10, 12	10, 12	11, 12	10=0.11; 11=0.09; 12=0.08		
D18S51	14, 16	14, 16	15, 16	14=0.10; 15=0.08; 16=0.07		
D19S433	11, 13	11, 13	12, 13	11=0.09; 12=0.08; 13=0.10		
D21S11	28, 32	28, 32	29, 32	28=0.07; 29=0.08; 32=0.06		
FGA	21, 25	21, 25	22, 25	21=0.11; 22=0.09; 25=0.12		
TH01	7, 8	7, 8	8, 9	7=0.10; 8=0.09; 9=0.08		
TPOX	8, 12	8, 12	11, 12	8=0.11; 11=0.09; 12=0.08		
vWA	16, 18	16, 18	17, 18	16=0.12; 17=0.09; 18=0.10		
Amelogenin	X, Y	X, Y	X, Y	Sex marker		

Hit-and-Run Traffic Incident

- Crime: Pedestrian struck by a vehicle at night.
- Evidence: Blood and tissue found under car bumper.
- Comparison:
- SOC DNA (from bumper stain)
- Suspect X: Registered owner/driver of the vehicle
- Suspect Y: Mechanic who had access to the car