

THEORETICAL EXERCISE NOT MANDATORY

3.1. THEORETICAL EXERCISE 1

To perform statistical calculations, Table 7 shows the genetic information for four autosomal STRs markers from three biological siblings paternal and maternal (BROT1, BROT2, BROT3), as the complainant alleged half-brother (BROT4).

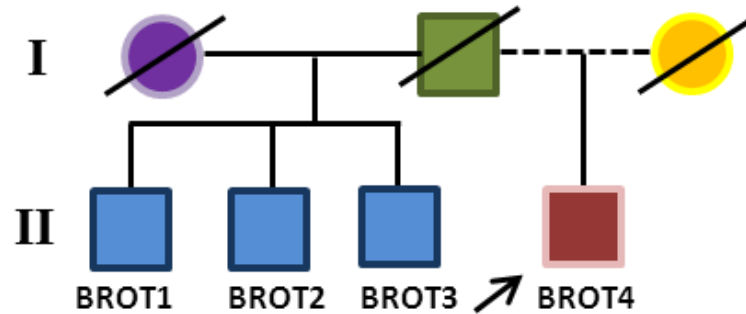


TABLE 7. A-STR profiles of individuals.

STR	BROT1	BROT2	BROT3	BROT4
D8S1179	11/13	12/13	12/14	11/15
D18S51	14/16	14/16	14/17	12/15
TPOX	8/10	8/10	8/10	8/10
PENTA D	13	13	12/13	9/10

3.2. THEORETICAL EXERCISE 2

To perform statistical calculations, Table 10 shows the genetic information for four autosomal STRs markers, necessary of a legitimate child of the deceased (SON1) with his mother (MOT1), the alleged paternal grandfather (PATGRA) and the alleged son (SON2) with his mother (MOT2).

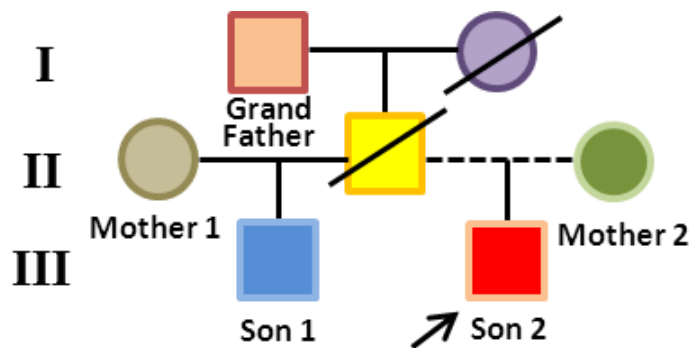


TABLE 10. A-STR profiles of individuals.

STR	PATERNAL GRANFATHER	MOTHER 1	SON 1	MOTHER 2	SON 2
D8S1179	12/13	12/14	13/14	14/15	10/15
D18S51	13/14	13/15	14/15	15/16	14/16
TPOX	8/12	8/11	9/11	10/11	6/10
PENTA D	2.2/11	11/12	11/12	12/13	11/12

3.3. THEORETICAL EXERCISE 3

To perform statistical calculations, Table 13 shows the genetic information for four legitimate children of the alleged father died (SON2, SON3, SON4, SON5) and their mother (MOT2), as well as the alleged child (SON1) and his biological mother (MOT1).

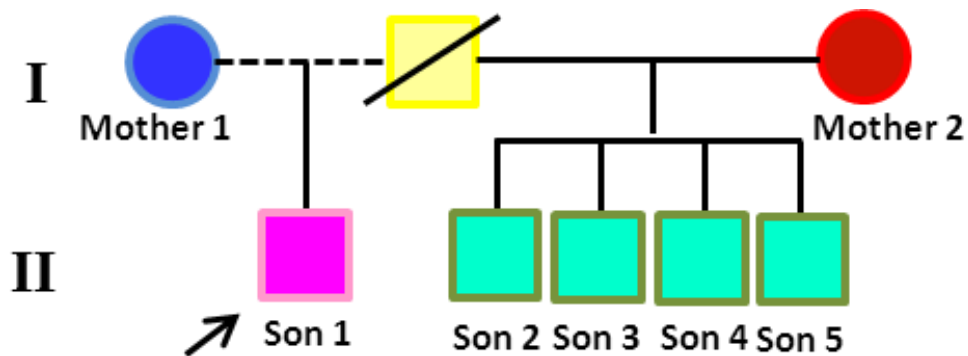


TABLE 13. A-STR profiles

STR	Mother 1	Son 1	Mother 2	Son 2	Son 3	Son 4	Son 5
D8S1179	12/13	12/15	10/12	10/11	10/11	11/12	11/12
D18S51	12/13	13/17	15/17	15/17	15/17	15/17	15/17
TPOX	10/11	10/11	8/9	9/11	9/11	8/10	9/10
PENTA D	10/13	10/14	9/13	13/14	13/14	13/14	9/14