icmp

DNA Statistical Comparison Report

Protocol No.: SC SA-006/13

Bone Analysis:

Sample Barcode: 4101016

Case Number: CAS 442/04/2012

D8S1179		D21S11		D7S820		CSF1PO		D3S1358		TH01		D13S317		D16S539		D2S1338		D19S433		VWA		TPOX		D18S51		AMEL		D5S818		FGA																			
A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2																			
00.0	00.0	00.0	00.0	00.0	00.0	10.0	12.0	00.0	00.0	00.0	00.0	11.0	13.0	09.0	11.0	16.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	17.0	00.0	X	X	00.0	00.0	00.0	00.0																			
locus 1		locus 2		locus 3		locus 4		locus 5		locus 6		locus 7		locus 8		locus 9		locus 10		locus 11		locus 12		locus 13		locus 14		locus 15		locus 16		locus 17		locus 18		locus 19		locus 20		locus 21		locus 22		locus 23		locus 24	

Search by loci

Possible Identity: *Khethane Thandiwe Betty ICMP ID 11*

Reference Analysis:

D8S1179		D21S11		D7S820		CSF1PO		D3S1358		TH01		D13S317		D16S539		D2S1338		D19S433		VWA		TPOX		D18S51		AMEL		D5S818		FGA																			
Barcode: 3002291 Ketani Lusanda (Daughter #1)																																															
12.0	12.0	32.2	35.0	08.0	11.0	10.0	12.0	17.0	17.0	07.0	09.0	11.0	13.0	11.0	11.0	16.0	19.0	13.0	15.2	16.0	17.0	08.0	09.0	16.0	20.0	X	X	12.0	13.0	21.0	23.0																			
Barcode: 3002292 Ketani Bulelwa (Daughter #2)																																															
12.0	14.0	28.0	32.2	10.0	11.0	10.0	12.0	15.0	16.0	09.0	09.0	13.0	13.0	09.0	11.0	16.0	22.0	13.0	15.0	15.0	16.0	08.0	11.0	17.0	17.0	X	X	11.0	12.0	25.0	26.0																			
Barcode: 3002290 Ketani Thulani (Son #3)																																															
13.0	16.0	28.0	32.2	08.0	09.0	10.0	12.0	15.0	17.0	07.0	09.0	11.0	13.0	09.0	11.0	16.0	17.0	14.2	15.0	15.0	16.0	11.0	11.0	18.0	20.0	X	Y	12.0	12.0	23.0	23.0																			

Contact:

Reference sample

Sample received: 22-11-2012
Site: YEOVILLE
Municipality: Unknown
Pathologist: Unknown
Jurisdiction / Court: South African Police Service

Conclusion

This report indicates a statistical evaluation of the hypothesis that the DNA profile obtained from bone sample CAS 442/04/2012 could be attributed to missing person Khethane Thandiwe Betty. The strength of the DNA evidence in this case is lower than the threshold for an ICMP DNA Match Report. The ICMP does not believe the DNA evidence in this case is strong enough to stand independently as a basis for identification. It is necessary to consider this evidence cautiously, and to use it only in addition to all relevant non-DNA evidence in the case. Assuming that the 3 children used as references each have different fathers, the DNA results obtained from bone sample CAS 442/04/2012 are 4740 times more likely if they originated from Khethane Thandiwe Betty than if they originated from another unrelated individual in the general population. The factor by which the DNA evidence supports the hypothesis that the bone is from Khethane Thandiwe Betty rather than an unrelated person is 4740.

ISSUED BY	STATISTICAL CALCULATION	INITIAL REVIEW	STATISTICAL REVIEW	FINAL REVIEW
08/05/13	16.05.13	16.05.13	16/5/13	20/05/13
Date	Date	Date	Date	Date

Created by: ICD Matching Unit 20-05-2013