

DAG YET



ARIZONA DEPARTMENT OF PUBLIC SAFETY
SCIENTIFIC EXAMINATION REPORT

AGENCY Phoenix Police Department
FILE NO. 200551799055
OFFICER DURAN #6287
DATE November 29, 2006
NAME(S)

DR NO. 2006732863
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Human DNA was isolated from Items #1 and #3C.C. The DNA was characterized using the polymerase chain reaction (PCR) at amelogenin and the short tandem repeat (STR) loci D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, D7S820, D16S539, TH01, TPOX and CSF1PO.

The DNA profile from Item #3C.C (left breast) is a mixture of at least three individuals and is consistent with the combined profiles of Items #2.01A (Alejandra Lara)*, #1.01 (Lorena Lara)* and #1 (Mark Goudeau).

Y-STR RESULTS

Male human DNA was isolated from Items #1C, #2C, #3C.B, #3C.C, #4C, #1F, #1G and #1.08B. The DNA was characterized using the polymerase chain reaction (PCR) at the Y-chromosome short tandem repeat (STR) loci DYS456, DYS389I, DYS390, DYS389II, DYS458, DYS19, DYS385, DYS393, DYS391, DYS439, DYS635, DYS392, Y GATA H4, DYS437, DYS438 and DYS448.

The male DNA profile obtained from Item #3C.C (left breast) matches the DNA profile from Item #1 (Mark Goudeau) at all 16 loci. Therefore, neither Mark Goudeau nor any of his paternally related male relatives can be excluded as the contributor of this DNA. This profile has not been observed in the Applied Biosystems Yfiler haplotype database. It is 470 trillion times more likely to observe the combined STR and Y-STR profiles if Items #2.01A (Alejandra Lara)*, #1.01 (Lorena Lara)* and #1 (Mark Goudeau) are the contributors than if Items #2.01A (Alejandra)*, #1.01 (Lorena)* and a random unrelated Caucasian male are the contributors, 360 trillion times more likely than if Items #2.01A (Alejandra)*, #1.01 (Lorena)* and a random unrelated African-American male are the contributors and 340 trillion times more likely than if Items #2.01A (Alejandra)*, #1.01 (Lorena)* and a random

CUSTODY OF EVIDENCE

RECEIVED D.P.S. Property
DISPOSITION D.P.S. Property

LORRAINE HEATH, #6353
Criminalist
Central Regional Crime Laboratory
(602) 223-2857

Accredited by the ASCLD Laboratory Accreditation Board

Any notes, photographs, charts, or graphs generated during the examination are retained in the laboratory.