



BEXAR COUNTY FORENSIC SCIENCE CENTER

CRIMINAL INVESTIGATION LABORATORY

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TO: Dr. Vincent DiMaio, Chief Medical Examiner
FROM: Lonnie D. Ginsberg, Chief Forensic Serologist
SUBJECT: Evaluation of Out-of-County Serology Cases

As part of the Bexar County Forensic Science Center's review of the out-of-county cases in which Mr. Fred Zain was involved, a discrepancy was found in our laboratory case number SD-90-0371. Mr. Zain's serology report dated July 30, 1990 stated in the conclusion section that "Genetic markers and DNA profiling of the semen stains contained identical banding patterns as Gilbert Alejandro and could only have originated from him". This was apparently based on examination of two probes at most.

Upon re-examination of the autoradiograms from this case including two other probes not complete until after the trial, by DNA analyst Henry H. Hollyday, it was determined that the DNA banding patterns obtained from the semen stains on the victim's slip and robe did not match the DNA banding patterns obtained from the liquid blood sample identified as coming from Gilbert Alejandro. This type of result would indicate an exclusion.

Per Henry Hollyday, the DNA computer imaging equipment was not on line until December 1990. This would indicate Mr. Zain used a visual matching criteria to come to his conclusions.

