



Client Identification: P4 -		OID: G14-3391-X49-AF		G14-3391-X50-C		Report Release Date:		NLB ANA INV2-		Page 1 of 1	
Sample Identification: G14-3391-X49-AF		G14-3391-X50-C									
Sample Source: Father (Alleged)		Child (Focus)		Mother (Not Tested)							
Name:											
Racial Database Used: Caucasian-International		Caucasian-International									
Date Collected: March 20, 2014		March 20, 2014									
STR Locus	Allele Range	Alleles Called		Alleles Called		Alleles Called		Exclusion Status*	Direct Index	Column Not Used	
D3S1358	(12 - 20)	12	15	15	18	---	---	OK	0.945	---	
TH01	(4 - 13.3)	6	7	6	8	---	---	OK	1.132	---	
D21S11	(24 - 38)	27	29	27	29	---	---	OK	1.716	---	
D18S51	(8 - 27)	13	14	14	18	---	---	OK	1.720	---	
Penta E	(5 - 24)	16		5	12	---	---	M1	Zero	---	
D5S818	(7 - 16)	12		11	12	---	---	OK	1.351	---	
D13S317	(7 - 15)	9	12	11	14	---	---	M1	Zero	---	
D7S820	(6 - 14)	11		10	11	---	---	OK	2.359	---	
D16S539	(5 - 15)	9	10	13	---	---	---	M1	Zero	---	
CSF1PO	(6 - 15)	10	12	10	---	---	---	OK	1.667	---	
Penta D	(2.2 - 17)	9	14	12	---	---	---	M1	Zero	---	
Amelogenin	(X - XY)	Male (XY)		Female (X)		---	---	N/A	N/A	---	
vWA	(10 - 22)	14		16	---	---	---	M1	Zero	---	
D8S1179	(7 - 18)	12	13	12	13	---	---	OK	2.247	---	
TPOX	(6 - 13)	8	11	11	---	---	---	OK	1.378	---	
FGA	(16 - 46.2)	21	23	22	22.2	---	---	M1	Zero	---	
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				

Laboratory Batch Number: 408631 Notable Events: Exclusions-6; Infrequent Events-None. See COMMENTS section for additional information.

Statement of Results: Alleged relationship is excluded.
 Based on the DNA analysis, the Alleged Father, John Smith, is excluded as the biological Father of the Child, Mary Smith, because they do not share sufficient genetic markers. Of the genetic markers tested, 6 of 15 do not match and the applicable Combined Index is less than 100. (Penta E, D13S317, D16S539, Penta D, vWA and FGA did not match.) The probability of a true relationship is indicated below. Analyses, with the exception of sample collection, were conducted in accordance with the Standards for PCR DNA analysis set forth by the AABB.

Statistical Results:
 Combined Direct Index 0Probability = 0%
 Prior Probability 0.50Statistical Constant

Comments:
 For legal and/or custody cases documentation of Informed Consent Notification and Sample Chain of Custody are included with this report. DNA amplified with PowerPlex16® System, detected using the ABI PRISM® 3130xl Genetic Analyzer and analyzed with GeneMapper® ID Software. *Exclusion Status: OK = (Alleged) allele(s) consistent with (Focus) allele(s). M1 = (Alleged) allele(s) inconsistent with (Focus) allele(s): Individual Index calculated as 0 (zero) for the Genetic System in question. Testing performed by GTL Incorporated, a division of General Genetics Corporation. GTL is an A2LA, NATA, MOJ and ISO 17025 Accredited Facility.