

Client Identification:		P4 -		OID:		Report Release Date:		NLB ANA INV2+		Page 1 of 1	
Sample Identification:		G14-3383-X31-AF		G14-3383-X32-C							
Sample Source:		Father (Alleged)		Child (Focus)		Mother (Not Tested)					
Name:											
Racial Database Used:		Caucasian-International		Caucasian-International							
Date Collected:		March 12, 2014		March 12, 2014							
STR Locus	Allele Range	Alleles Called		Alleles Called		Alleles Called		Exclusion Status*	Direct Index	Column Not Used	
D3S1358	(12 - 20)	15	16	16	18	---	---	OK	1.036	---	
TH01	(4 - 13.3)		9.3		9.3	---	---	OK	0.820	---	
D21S11	(24 - 38)	29	31	28	29	---	---	OK	0.966	---	
D18S51	(8 - 27)		16	15	16	---	---	OK	4.649	---	
Penta E	(5 - 24)	11	16	11	16	---	---	OK	7.516	---	
D5S818	(7 - 16)	10	13	10	12	---	---	OK	12.500	---	
D13S317	(7 - 15)	11	12	11	13	---	---	OK	0.793	---	
D7S820	(6 - 14)		9		9	---	---	OK	2.796	---	
D16S539	(5 - 15)	11	13	10	13	---	---	OK	0.878	---	
CSF1PO	(6 - 15)	10	12		10	---	---	OK	1.667	---	
Penta D	(2.2 - 17)	11	14	11	14	---	---	OK	6.213	---	
Amelogenin	(X - XY)	Male (XY)		Female (X)		---	---	N/A	N/A	---	
vWA	(10 - 22)	15	17	15	17	---	---	OK	2.085	---	
D8S1179	(7 - 18)	10	13	10	13	---	---	OK	0.789	---	
TPOX	(6 - 13)	8	11		8	---	---	OK	0.983	---	
FGA	(16 - 46.2)	19	21	19	21	---	---	OK	5.891	---	
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				
NOT USED						---	---				

Laboratory Batch Number: 086313 Notable Events: Exclusions-None; Infrequent Events-None. See COMMENTS section for additional information.

**Statement of Results:** Alleged relationship is not excluded.  
 Based on the DNA analysis, the alleged Father, John Smith, cannot be excluded as the biological Father of the Child, Mary Smith, because they share genetic markers. Of the genetic identity system of 15 loci, the alleged Father's profile (992790075764% of the Caucasian-International male population is excluded from the possibility of being the biological Father). The probability of the stated relationship is increased by comparison with an untested, unrelated Caucasian-International male. 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 236,681 .....Probability = 99.999577492163%  
 Prior Probability 0.50 .....Statistical 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). Testing performed by GTL Incorporated, a division of General Genetics Corporation. GTL is an A2LA, NATA, MOJ and ISO 17025 Accredited Facility.