



681 MAIN STREET
 ROCKWOOD, PA 15557
 814-926-2426
 TOLL FREE 1-877-2DNALAB

Maternity Test Report

Date Collected	Case ID#	NAME	Relationship	Sample Type
8/16/2008	GF2386AM	Glenys L.	Mother	swab-self
8/15/2008	GF2386C	Susan Glenys Bennett	Child	swab-self

DNA Test Data:

Genetic System	GF2386M_HAIR	GF2386C	Maternity Index
D8S1179	11,13	13,14	0.77
D21S11	29,31	30,30	0.00
D7S820	10,10	7,11	0.00
CSF1PO	11,12	11,14	0.79
D3S1358	15,17	16,18	0.00
TH01	9,9,3	8,9,3	0.86
D13S317	10,11	12,13	0.00
D16S539	13,14	11,11	0.00
D2S1338	18,24	19,23	0.00
D19S433	13,16	15,16	6.02
vWA	17,19	17,17	2.04
TPOX	8,11	8,11	1.43
D18S51	16,16	16,18	3.67
Amelogenin	X,X	X,X	1.00
D5S818	11,11	11,12	1.27
FGA	21,22	21,22	2.96

Combined Paternity Index: 0
 Probability of Paternity: 0.00%
 Shared Alleles: 10 of 16

Explanation of Terms:

Genetic System – Also known as a genetic location or locus, it represents a position on a chromosome that has been found to exhibit a variation of DNA types.

Alleles – The two numbers displayed for a genetic location are known as alleles. These numbers represent the genetic contribution that has been passed from parent to offspring. At each genetic location, the biological mother should share one number in her column with one number in the child's column.

Maternity Index(MI) – This calculation is a likelihood ratio that examines the assumption that the tested woman is the child's mother over the assumption that the tested woman and child are unrelated.

Combined Maternity Index(CMI) – The CMI is a measure of the strength of the genetic evidence. It can range from zero to infinity. The higher the CMI, the more strongly the genetic evidence supports the assumption that the tested woman is the mother.

Probability of Maternity – This percentage represents the strength of one's belief that the tested woman is the mother based solely on the genetic evidence. It assumes that the prior probability is 50% in the case. In other words, prior to this DNA test we are assuming that all things are equally likely to have occurred in the case.

*Reference:
 Guidance for Standards for Relationship Testing Laboratories, 7th Edition.*

Conclusion:

The results of the DNA test indicate that an insufficient number of alleles are shared between the tested parties to support maternity. These results were confirmed by a second independent analysis. Glenys L. is excluded as the biological mother of Susan Glenys Bennett.

Zach Gaskin
 Director of Relationship Testing

8-22-2008
 Date

Note: Establishment of the chain of custody begins at the time of collection of the samples. In order to preserve the chain of custody all collections of samples must have been performed or witnessed by a competent collector with no interest in the test outcome. This disqualifies spouses, children of the person being tested, other family members, friends and any person having any relationship to any of the persons being tested. It is also expected that the competent collector has packaged and transferred the samples to the laboratory. Failure to comply with these measures may render this report inadmissible in a court of law.