

## Matching Mitochondrial DNA Evaluation Report

Region	Probes	Sequence Variation C1- Jane Doe	Sequence Variation C2- Mary Smith
HVI	16093	1	1
	IA	1	1
	IC	1	1
	ID	1	1
	IE	3	3
HVII	IIA	2	2
	IIB	1	1
	IIC	1	1
	IID	1	1
	189	1	1

**Conclusions:**

Based on the analysis of the 10 regions within the HVI and HVII regions, using 33 Sequence Specific Oligonucleotide Probes, the profiles obtained for Jane Doe and Mary Smith have identical sequences variations. It is likely that Jane Doe and Mary Smith from the same maternal lineage. Note: Direct sequencing of the HVI and HVII regions is recommended to determine conclusive results.

## Non-Matching Mitochondrial DNA Evaluation Report

Region	Probes	Sequence Variation C1- Jane Doe	Sequence Variation C2- Mary Smith
HVI	16093	1	2
	IA	1	1
	IC	1	2
	ID	1	2
	IE	1	1
HVII	IIA	1	1
	IIB	1	1
	IIC	1	1
	IID	1	2
	189	1	1

**Conclusions:**

Based on the analysis of the 10 regions within the HVI and HVII regions, using 33 Sequence Specific Oligonucleotide Probes, the profiles obtained for Jane Doe and Mary Smith have different sequence variations. Jane Doe and Mary Smith are not from the same maternal lineage.