

GENESyS PATERNITY TEST REPORT

(祖孫三人血緣鑑定報告範本)

Patient Name: 祖父	Hospital ID:
DOB:	Referring Physician:
Date Collected:	Specimen: Finger Touch DNA
Date Received: 2024//	Patient ID: HLA

Child Name: 孫子 / 孫女
Specimen Type: Finger Touch DNA
Age:

Purpose: To exclude or support the kinship assertion between the subjects

COEFFICIENT OF RELATIONSHIP (R value)

R value	Grandfather	Grandson	Granddaughter
Grandfather	100%	27%	23%
Grandson	28%	100%	48%
Granddaughter	24%	46%	100%

RESULTS

THE RESULTS OF THE DNA CROSS-REACTIVITY TEST PROVIDE EVIDENCE SUPPORTING THE ASSERTION THAT BOTH ALLEGED GRANDCHILDREN ARE BIOLOGICALLY RELATED TO THE GRANDFATHER BY SECOND-DEGREE GENETIC KINSHIP.

本次 DNA 檢測結果提供足夠證據，支持三位受檢者之間的血緣關係。針對人類 DNA 全基因組 300 萬個 SNP 位點直接雜交，讓受檢者之 DNA 互相配對，本檢測結果與祖父母/孫子/孫女關係判斷無矛盾。血緣關係確定率(pp) = 99.9999%

INTERPRETATION

Given the constraints of this technology, the level of DNA cross-reactivity observed between the patient and the alleged grandchild aligns with the biological kinship claim between them. Since the coefficient of relationship for a grandparent and grandchild is theoretically 25%, the R value between the alleged grandchild and the patient strongly supports the assertion of a second-degree kinship relationship, with a certainty exceeding 99.9999%.

RECOMMENDATION

Since the test results strongly support the kinship assertion between the subjects, further analysis is not recommended.

Comments

All humans inherit half of their genome from their mother and the other half from their father. A biological offspring is expected to share half of their genome DNA with one of their direct predecessors. The degree of genome shared by two individuals indicates the fraction of homozygosity. As a practical definition, DNA cross-reactivity can be utilized to ascertain the amount of DNA shared between two distinct genomes. Therefore, the coefficient of relationship (R value) derived from the GeneSys test directly correlates with the degree of genetic consanguinity.

GeneSys is the Vigene Lab's trade name for BLiCH based genetic analysis.

備註：本報告僅供個人諮詢，不得作為法律用途

Sign: BING LING, MD

Date: 2024//