



Short Tandem Repeat

Requestor: Marianne James, Boston University

Samples Received: 11Jun21

STR Amplification Date: 17Jun21

Form SOP-89.01

Version 5.0

Sample Name	101-9Cr6 P33
Label on tube	86603
FGA	22, 24
TPOX	8, 11
D8S1179	11, 15
vWA	16, 16
Amelogenin	X, X
Penta_D	12, 13
CSF1PO	10, 12
D16S539	11, 12
D7S820	9, 10
D13S317	11, 12
D5S818	11, 11
Penta_E	7, 13
D18S51	12, 18
D21S11	28, 30
TH01	7, 9.3
D3S1358	14, 18
Allelic Polymorphisms	28
Matches*	
Comments	

*Note: The STR profile of the following sample is an exact match for the given sample/samples.



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Assay Description: STR analysis is performed using the PowerPlex 16 HS System by Promega™. Results are reported as 13 CODIS STR markers, Amelogenin for gender determination and two low-stutter, highly discriminating pentanucleotide STR markers.

Results: The genotypic profiles comprise a range of 27-28 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: The concentration of DNA required to achieve an acceptable STR genotype (signal/ noise) was equivalent to that required for the standard procedure (~1 ng/amplification reaction) from human genomic DNA. These results suggests that the cells submitted correspond to the cell lines as named and were not contaminated with any other human cells or a significant amount of mouse feeder layer cells.

Sensitivity: Sensitivity limits for detection of STR polymorphisms unique to either this or other human cell lines is ~2-5%.

6/22/2021	6/22/2021	6/22/2021
X Amber Kuhn Tech #1 Characterization Signed by: Kuhn, Amber	X Callum Walker Tech #2 Characterization Signed by: Walker, Callum	X Dawn Graham QA Review Quality Assurance Signed by: Graham, Dawn

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Raw data is available upon request.