



Cell Line Authentication Report

GENEWIZ, Inc.

C3 Building, 218 Xinghu Road
Suzhou Industrial Park, 215123

Suzhou, China

Tel: 400-8100-669

www.genewiz.com

www.genewiz.com.cn

Cell Line Authentication Report

Customer: Qingxia hu

Institution: Southern University of Science and Technology

Quotation Number: 80-269564405

Completion Date: 3/6/2019

1. Sample ID: Wt

2. Original Material: Cell pellets

3. Methods:

- 1). Genomic DNA was extracted from the cell pellets provided by the customer.
- 2). Samples, together with positive and negative control were amplified using GenePrint 10 System (Promega).
- 3). Amplified products were processed using the ABI3730xl Genetic Analyzer.
- 4). Data were analyzed using GeneMapper4.0 software and then compared with the ATCC, DSMZ, JCRB and

RIKEN etc. databases for reference matching.

4. Results:

1) 10 Loci STR Profile:

Genetic Site (Locus)	Customer sample	
	Wt	
Amelogenin	X	X
CSF1PO	9	10 11
D13S317	10	11
D16S539	11	11
D5S818	11	12
D7S820	9.1	10.3
THO1	9	9
TPOX	8	9
vWA	16	18
D21S11	29	32.2

<<< Search for reference matching with the Cell Bank databases and add the match results.

Result of STR matching analysis by your data.

- DSMZ Profile Database -

A graphical presentation is shown at the bottom of this page.

EV	Cell No.	Cell name	Locus names									Figures
			D5S818	D13S317	D7S820	D16S539	VWA	TH01	AM	TPOX	CSF1PO	
		<i>Query (Your Cell)</i>	11,12	10,11	9.1,10.3	11,11	16,18	9,9	X,X	8,9	9,10,11	
0.86(32/37)	256	LNCAP	11,12	10,12	9.1,10.3	11,11	16,18	9,9	X,Y	8,9	10,11	-
0.86(32/37)	CRL-1740	LNCaP clone FGC	11,12	10,12	9.1,10.3	11,11	16,18	9,9	X,Y	8,9	10,11	-
0.74(28/38)	RCB2144	LNCap.FGC	11,12	10,12	9,9	11,11	16,17,18	9,9	X,Y	8,9	10,11	-
0.65(24/37)	104	M-07e	11,11	10,11	11,11	11,11	16,18	6,8	X,X	8,8	9,10	-
0.65(24/37)	CRL-3035	CHLA-03-AA	11,11	10,11	9,10	11,12	16,18	6,9	X,X	8,9	10,10	-
0.65(24/37)	RCB2141	PK-45P	10,12	9,11	11,11	11,12	16,18	9,9	X,X	8,11	9,10	-
0.65(24/37)	RCB2266	HE50	11,12	10,12	8,9	11,11	17,17	9,9	X,Y	8,9	10,11	-
0.63(26/41)	140	SUP-T1	11,12,10	10,11,12	11,11	9,10, 11	16,18,19	9.3,9.3	X,X	8,9	10,11	-
0.62(26/42)	759	LS-174T	11,15,14	10,11,9	10.3,11	11,12,13	15,18,16	6,7	X,X	8,9	10,14,11	-

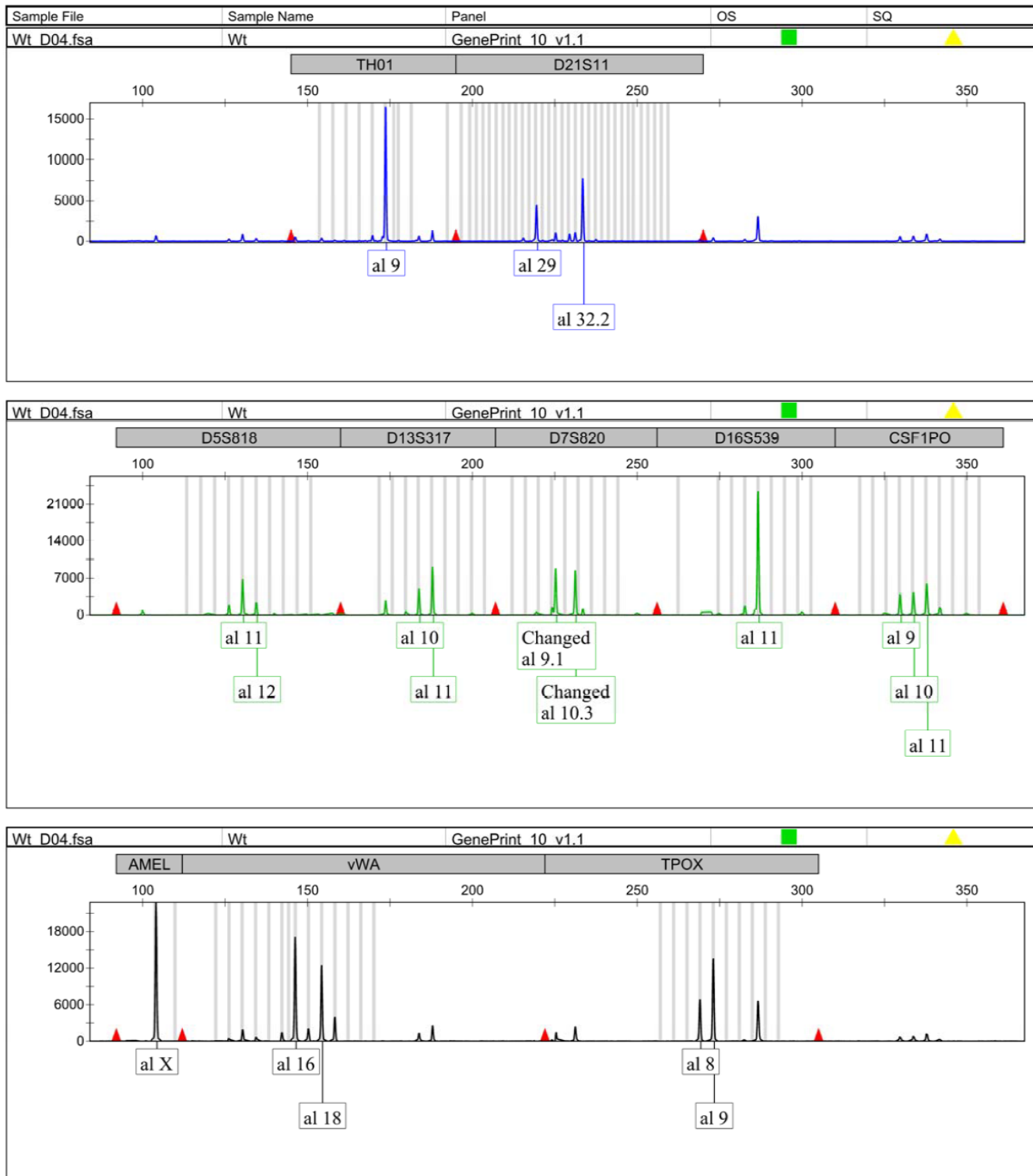
>>>



2) Electrophoretogram

Applied Biosystems
GeneMapper 4.0

GENEWIZ_2



Note: Raw data in appendix