

Cell Line Authentication Service

STR Profile Report

Sample Submitted By: Stephen Sugrue

University of Florida

Email Address: sugrue@ufl.edu; dakin@ufl.edu

ATCC Sales Order: SOH78416 FTA Barcode: STRA0571

Cell Line Designation: HCET

Date Sample Received: November 20, 2015 **Report Date:** December 2, 2015

Methodology: Seventeen short tandem repeat (STR) loci plus the gender determining locus, Amelogenin,

were amplified using the commercially available PowerPlex® 18D Kit from Promega. The cell line sample was processed using the ABI Prism® 3500xl Genetic Analyzer. Data were analyzed using GeneMapper® ID-X v1.2 software (Applied Biosystems). Appropriate positive and negative controls were run and confirmed for each sample submitted.

Data Interpretation Cell lines were authenticated using Short Tandem Repeat (STR) analysis as described in

2012 in ANSI Standard (ASN-0002) *Authentication of Human Cell Lines: Standardization of STR Profiling* by the ATCC Standards Development Organization (SDO) and in Capes-Davis et al., Match criteria for human cell line authentication: Where do we draw the line?

Int. J. Cancer. 2012 Nov 8. doi: 10.1002/ijc.27931

ATCC performs STR Profiling following ISO 9001:2008 and ISO/IEC 17025:2005 quality standards.

There are no warranties with respect to the services or results supplied, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Neither ATCC nor Promega is liable for any damages or injuries resulting from receipt and/or improper, inappropriate, negligent or other wrongful use of the test results supplied, and/or from misidentification, misrepresentation, or lack of accuracy of those results. Your exclusive remedy against ATCC, Promega and those supplying materials used in the services for any losses or damage of any kind whatsoever, whether in contract, tort, or otherwise, shall be, at Promega's option, refund of the fee paid for such service or repeat of the service.

The ATCC trademark and trade name, any and all ATCC catalog numbers are trademarks of the American Type Culture Collection. PowerPlex is a registered trademark of Promega Corporation. Applied Biosystems, ABI Prism and GeneMapper are registered trademarks of Life Technologies Corporation.

Technical questions?

Ordering questions?

800-638-6597 or 703-365-2700 Fax 703-365-2750 Email: STRtesting@atcc.org



FTA Barcode: STRA0571 ATCC Sales Order: SOH78416

Test Results for Submitted Sample					ATCC Reference Database Profile						
Loci	Query Profile: HCET				Database Profile: None						
D3S1358	15	17									
TH01	7	8									
D21S11	27	30									
D18S51	13	15									
Penta_E	15	16									
D5S818	9	13									
D13S317	8										
D7S820	10	13									
D16S539	9	11									
CSF1PO	9	12									
Penta_D	12	15									
Amelogenin	Х										
vWA	18	19									
D8S1179	11	13									
TPOX	8	11									
FGA	20										
D19S433	13	14									
D2S1338	19	20									
Number of shared alleles between query sample and database profile:							N/A				
Total number of alleles in the database profile:							N/A				
Percent match between the submitted sample and the database profile:								N/A			
The allele match	n algorithm c					even though	alleles from a	Il loci will be			

reported when available.

NOTE: Loci highlighted in grey (8 core STR loci plus Amelogenin) can be made public to verify cell identity. In order to protect the identity of the donor, please do not publish the allele calls from all the STR loci tested. Electropherograms showing raw data are attached.

Explanation of Test Results

Cell lines with ≥ 80% match are considered to be related; i.e., derived from a common ancestry. Cell lines with between a 55% to 80% match require further profiling for authentication of relatedness.

X	The submitted sample profile is human, but not a match for any profile in the ATCC STR database
	The submitted profile is an exact match for the following ATCC human cell line(s) in the ATCC STR database
Ш	(8 core loci plus Amelogenin):
	The submitted profile is similar to the following ATCC human cell line(s):

Additional Comments:

Submitted sample, STRA0571 (HCET), is not a match to any cell line in the ATCC STR database. A search of the DSMZ STR database, shows a match to two cell lines, RCB1384 (HCE-T) and RCB2280 (HCE-T). (see attached)

e-Signature, Technician:	kkindig 12/02/15
e-Signature, Reviewer:	mkone 12/02/15



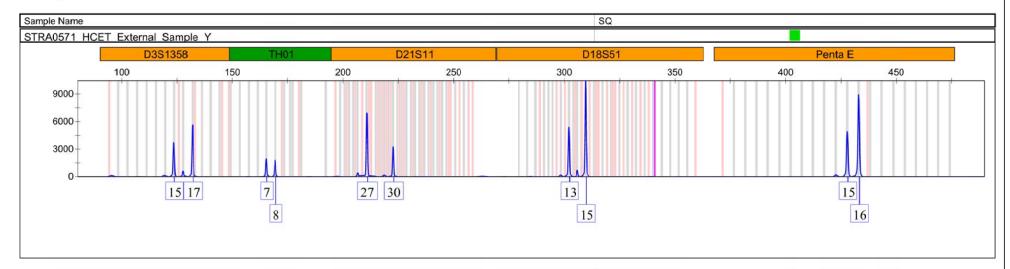
Result of STR matching analysis by your data.

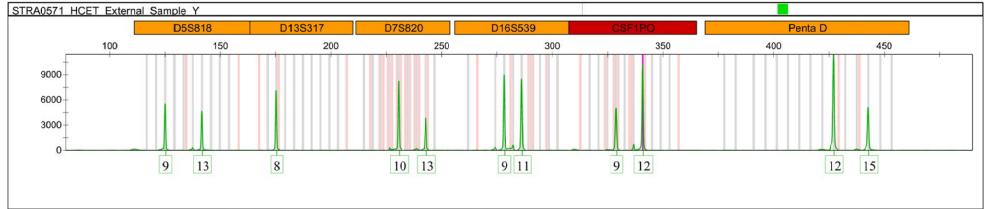
- DSMZ Profile Database

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

EV	Cell No.	Cell name	Locus names									
	Cen No.		D5S818	D13S317	D7S820	D16S539	VWA	TH01	AM	TPOX	CSF1PO	Figures
	Query (Your Cell)		9,13	8,8	10,13	9,11	18,19	7,8	X,X	8,11	9,12	
1.22 (44/36)	RCB1384	НСЕ-Т	13,13	8,8	10,13	9,11	18,19	7,8	X,X	8,11	12,12	-
1.22 (44/36)	RCB2280	НСЕ-Т	13,13	8,8	10,13	9,11	18,19	7,8	X,X	8,11	12,12	-

Project: 20151120MK





Project: 20151120MK

