

Report for Cell Line Authentication

The Cell line authentication test was performed at the Genomics Center of Biomedical Core Facility, Technion.

The test was performed using the Promega GenePrint 24 System in order to determine short tandem repeat (STR) profile of 23 loci plus Amelogenin for gender determination (X or XY). In addition, the male-specific DYS391 locus is included to identify null Y allele results for Amelogenin. DNA sample from the kit (2800M Control DNA) was included in the analysis and served as positive control for the PCR step. No DNA template was also included as negative control.

The results were analyzed using the 3500xl Genetic Analyzer (Life Technologies) and GeneMapper IDX software. Allelic ladder was included in the run. Importantly, the 3500xl system is calibrated once a year and spectral calibrated once every 3 months by authorized person.

This report includes the STR results obtained for your cell line together with the available STR profile. It is important to note that not all STRs that are included in the kit are published.

Usually, we compare the results to the Cellosaurus, a Cell-Line Knowledge Resource (Bairoch A., J. Biomol Tech, 2018)

The interpretation of results is based on allele calls for all 24 loci and should aid determine whether your cell line is indeed the cell line in question or has profile characteristics which indicate a change, contamination or misidentification.

The raw data appears in Supplementary Materials.

Results

Table S1: The STR results of Cell line ID: NTM10 & NTM16.

Marker	NTM10	NTM16
AMEL	X,Y	X,Y
D3S1358	14,18	14,18
D1S1656	15,16	15,16
D2S441	10,11	10,11
D10S1248	13,16	13,16
D13S317	11,12	11,12
Penta E	7,16	7,16
D16S539	12,13	12,13
D18S51	14,15	14,15
D2S1338	17	17
CSF1PO	11,12	11,12
Penta D	8,11	8,11
TH01	7	7
vWA	16	16
D21S11	28,29	28,29
D7S820	8,12	8,12
D5S818	11,12	11,12
TPOX	8,10	8,10
DYS391	11	11
D8S1179	13	13
D12S391	24	24
D19S433	14,16	14,16
FGA	22,27	22,27
D22S1045	15	15

Summary

There is no published profile for line NTM. The samples profiles match one another. A search through the database gave no results, meaning there is no known line with this profile.

In light of these results, it seems that the tested cell lines are unique however, we cannot state whether the tested lines are indeed NTM.

Date: 9.12.19

Doron Fogel, MSc, Application specialist

Signature: 

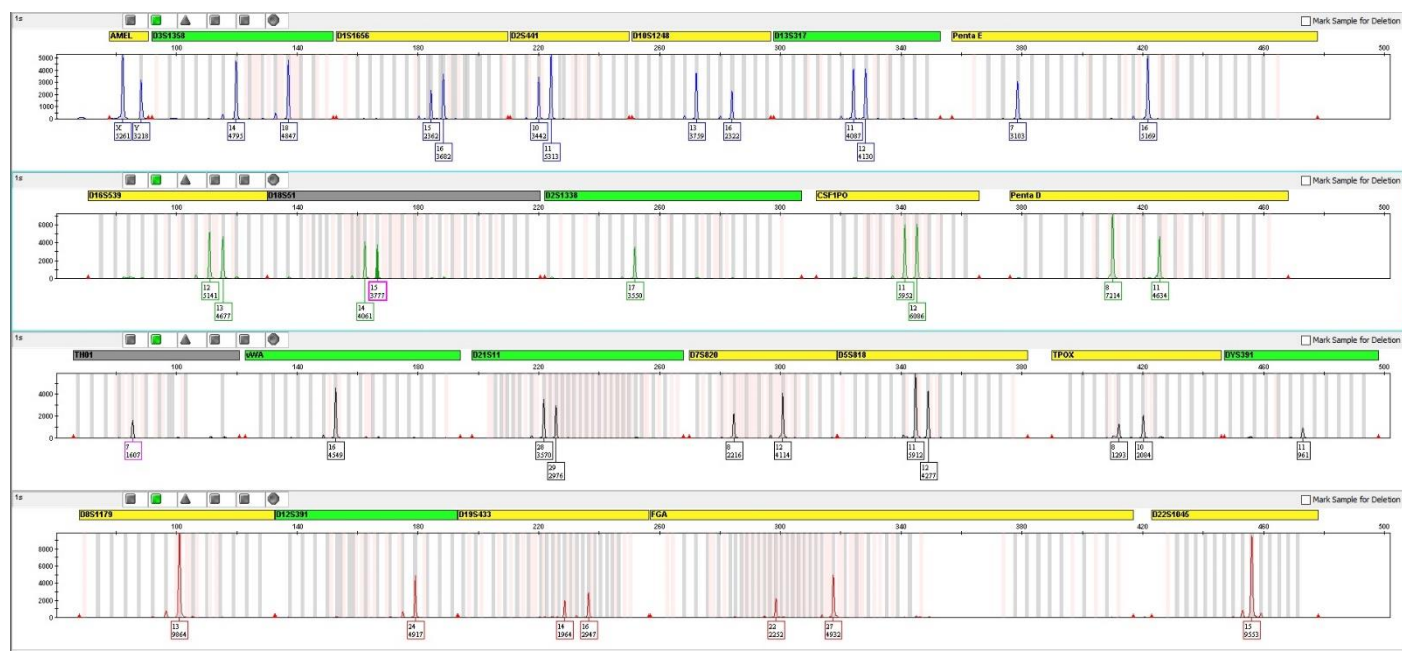
Liat Linde, PhD, Head

Signature: 

We would appreciate the acknowledgment of the Genomics Center of Biomedical Core Facility, Technion in your published work that utilizes the cell line above.

Figure S1: STR profile of Cell line ID: NTM10 & NTM16.

NTM10



NTM16

