

STR Authentication Report For Cell Line

1. Cell Name: NCI-H1666

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.

3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: STR25031416			Cell name: NCI-H1666 [H-1666,H1666]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	10		10	10	
D13S317	15	15		15	15	
D7S820	8	11		8	11	
D16S539	13	13		13	13	
VWA	16	17		16	17	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	11	11		11	11	
D12S391	18.3	18.3				
FGA	20.2	21				
D2S1338	18	20	24.0			
D21S11	29	32.2				
D18S51	14	14				
D8S1179	13	14				

D3S1358	16	18				
D6S1043	11	17				
PENTAE	14	14				
D19S433	13	14				
PENTAD	10	10				
D1S1656	15	19.3				

4. Conclusion: The STR results of **NCI-H1666** cells are consistent with the genotypes of **NCI-H1666 [H-1666,H1666]** cell lines in **ATCC** database, the cell ID corresponded to **CRL-5885** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

