

STR Authentication Report For Cell Line

1. Cell Name: NCI-H838

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: STR25012010			Cell name: NCI-H838 [H838]		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	8	8		8	8	
D7S820	9	9		9	9	
D16S539	9	12		9	12	
VWA	17	17		17	17	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	10		10	10	
D12S391	21	21				
FGA	22.2	22.2				
D2S1338	18	18				
D21S11	32.2	32.2				
D18S51	12	12				
D8S1179	13	16				

D3S1358	15	15				
D6S1043	11	11				
PENTAE	5	12				
D19S433	15.2	15.2				
PENTAD	11	11				
D1S1656	12	12				

4. Conclusion: The STR results of **NCI-H838** cells are consistent with the genotypes of **NCI-H838** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-5844**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

