

STR Authentication Report For Cell Line

1. Cell Name: TT

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: STR25041124			Cell name: TT		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	11	11		11	11	
D7S820	10	12		10	12	
D16S539	12	13		12	13	
VWA	16	18		16	18	
TH01	6	9		6	9	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	13		10	13	
D12S391	15	21				
FGA	21	25				
D2S1338	17	23				
D21S11	29	32.2				
D18S51	12	12				
D8S1179	15	16				

D3S1358	15	15				
D6S1043	12	13				
PENTAE	7	13				
D19S433	14	15				
PENTAD	13	13				
D1S1656	14	15				

4. Conclusion: The STR results of **TT** cells are consistent with the genotypes of **TT** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1803** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

