

## STR Authentication Report For Cell Line

1. Cell Name: RS4:11

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: STR24112703			Cell name: RS4;11		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	11	11		11	11	
D7S820	8	12		8	12	
D16S539	11	12		11	12	
VWA	14	17		14	17	
TH01	6	9.3		6	9.3	
AMEL	X	X		X	X	
TPOX	8	8		8	8	
CSF1PO	11	12		11	12	
D12S391	19	20	21.0			
FGA	24	25				
D2S1338	20	25				
D21S11	28	30				
D18S51	12	15	16.0			
D8S1179	13	14				

D3S1358	15	16	17.0			
D6S1043	12	19				
PENTAE	5	7				
D19S433	12	14				
PENTAD	8.3	10				
D1S1656	16	18.3				

4. Conclusion: The STR results of **RS4:11** cells are consistent with the genotypes of **RS4:11** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-CRL-1873** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

