

STR Authentication Report For Cell Line

1. Cell Name: ISHIKAWA

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: ISHIKAWA-Luc				Cell name: Ishikawa		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	10	11			10	11	
D13S317	9	12			9	12	
D7S820	9	10			9	10	
D16S539	9	9			9	9	
VWA	14	17			14	17	
TH01	9	10			9	10	
AMEL	X	X			X	X	
TPOX	8	8			8	8	
CSF1PO	12	13			11	12	
D12S391	18	19	20.0	21.0			
FGA	20	21	22.0				
D2S1338	19	21					
D21S11	28	28					
D18S51	12	20					
D8S1179	13	16					

D3S1358	16	17					
D6S1043	12	18					
PENTAE	11	19					
D19S433	12.2	14					
PENTAD	10	11					
D1S1656	13	14	15.0				

4. Conclusion: The STR results of **ISHIKAWA** cells are consistent with the genotypes of **ISHIKAWA** cell lines in **DSMZ** database, the cell ID corresponded to **CVCL_2529** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

