STR Authentication Report For Cell Line

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1. Cell Name: EA.hy926

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: EAhy.926			Cell name: EA.hy 926		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	11	11		11	11	
D7S820	8	9	10.0	8	9	10.0
D16S539	11	12		11	12	
VWA	14	17		14	17	
TH01	6	8	9.3	6	8	9.3
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	11	12.0	10	11	12.0
D12S391	15	18				
FGA	22	23				
D2S1338	22	24				
D21S11	28	29	32.0			
D18S51	13	15	17.0			
D8S1179	13	13				

D3S1358	15	16				
D6S1043	11	12	22.0			
PENTAE	7	11	12.0			
D19S433	13	14				
PENTAD	9	11				
D1S1656	12	17				

4. Conclusion: The STR results of **EA.hy926** cells are consistent with the genotypes of **EA.hy926** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_3901** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

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