

STR Authentication Report For Cell Line

1. Cell Name: Mino

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: Mino			Cell name: MINO		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	12	12		12	12	
D7S820	10	11		10	11	
D16S539	11	12		11	12	
VWA	14	17		14	17	
TH01	9.3	9.3		9.3	9.3	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	9	11		9	11	
D12S391	18	21				
FGA	23	25				
D2S1338	23	23				
D21S11	29	30				
D18S51	12	14				
D8S1179	11	13				
D3S1358	18	18				
D6S1043	11	12				

PENTAE	5	17				
D19S433	15	15				
PENTAD	12	13				
D1S1656	11	15.3				

4. Conclusion: The STR results of **Mino** cells are consistent with the genotypes of **Mino** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-687** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

