

STR Authentication Report For Cell Line

O) UBIGENE

1. Cell Name: BEWO

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

	Genotype	analysis resu	Its of STR and	Amelogenin l	oci in cells 🔍	
STR Loci	STR profile for Sample cell Cell name: BEWO			STR profile for Cell Bank cell Cell name: BEWO		
	D5S818	10	11	BIC	10	11
D13S317	9	11		9	11	_
D7S820	10	12		10	12	BIGE
D16S539	13	14		13	14	
VWA	16	16		16	16	-
TH01	9	9.3		9	9.3	
AMEL	х	Y		х	Y	
ТРОХ	8	8		8	8	
CSF1PO	11	12	- IBIC	11	12	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **Bewo** cells are consistent with the genotypes of **Bewo** cell lines in DSMZ database, the cell ID corresponded to ACC-458, and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

Gene-editing cell lines | CRISPR Library Microorganisms | EZ-editor™ series products

5. Attached Image

AB Applied Biosystems 20240310 GeneMapper ID v3.2 Sample File Sample Name Panel SQO sq 05 46_F06_CellLineAuthentication-1-0907.fs BEWO 21Plex STR_Panel_v1.1 D3S1358 D7S820 CSF1PO WA Penta E BIGENE 160 240 320 400 480 80 7200 4800 2400 15 16 10 11 8 12 12 12 46_F06_CellLineAuthentication-1-0907.fsa BEWO 21Plex_STR_Panel_v1.1 D8S1179 D16S539 D2S1338 D21S11 Penta D 160 240 320 400 480 900 600 300 0 12 9 12 30 20 13 14 21 BEWO 21Plex_STR_Panel_v1.1 46_F06_CellLineAuthentication-1-0907.fsa D6S1043 D13S317 D18S51 D19S433 TH01 TPOX 160 240 320 400 480 80 630 420 210 9 13 9 8 11 14 15 9.3 11 16 46_F06_CellLineAuthentication-1-0907.fsa BEWO 21Plex_STR_Panel_v1.1 D5S818 ... D1S1656 D12S391 FGA 10 320 400 480 160 240 1200 BIGENE 800 400 M 17 14 10 24 22 Х Y 11 23 16 24 Mar 10,2024 02:12AM, PDT Printed by: gmid Page 1 of 1