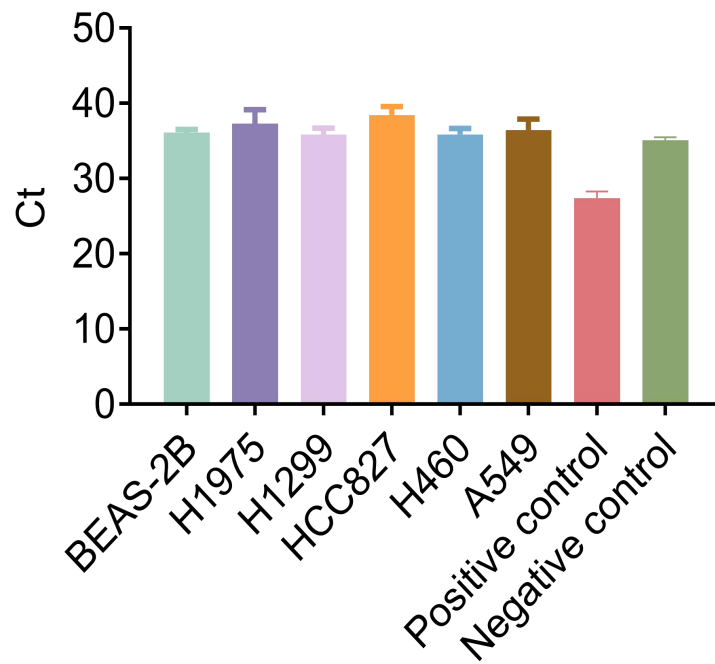


Supplementary Material 1. Documentation of mycoplasma testing and STR authentication for all cell lines.

A. Mycoplasma testing results (BeyoDirect™ Mycoplasma qPCR Detection Kit, Beyotime, Shanghai, China, C0303S; n = 3).



1. STR authentication for BEAS-2B cells.



2. STR authentication for A549 cells.

Certificate of STR Analysis

1. Sample

A549

2. Methods

The sample DNA was analyzed in Microread Genetics Co., Ltd, Beijing.

The PCR product was loaded into ABI 3730xl Genetic Analyzer and the STR profiling was generated by GeneMapperID-X software (Applied Biosystems®).

3. Results

Amelogenin:	X,Y
D5S818:	11
D13S317:	11
D7S820:	8,11
D16S539:	11,12
vWA:	14
TH01:	8,9,3
TPOX:	8,11
CSF1PO:	10,12
D19S433:	13
D21S11:	29
D18S51:	14,17
D6S1043:	11,13
D3S1358:	16
Penta D:	9
D2S441:	10,13
D8S1179:	13,14
Penta E:	7,11
D12S391:	18
D2S1338:	24
FGA:	23

3. STR authentication for H1975 cells.

	ATCC				DSMZ				检测样品			
细胞名称	NCI-H1975Lung AdenocarcinomaHuman				NCI-H1975				H1975			
细胞编号	CRL-5908				CRL-5908				XB21-684			
Amelogenin	X				X	X			X			
D5S818	11	12			11	12			11	12		
D13S317	10	13			10	13			10	13		
D7S820	8	11			8	11			8			
D16S539	9	12			9	12			9	12		
vWA	18				18	18			18			
TH01	7				7	7			7			
TPOX	8	11			8	11			8	11		
CSF1PO	12				12	12			12			

4. STR authentication for H1299 cells.

	ATCC				DSMZ				检测样品			
细胞名称	NCI-H1299Lung CarcinomaHuman				NCI-H1299				H1299			
细胞编号	CRL-5803				CRL-5803				XB21-682			
Amelogenin	X				X	X			X			
D5S818	11				11	11			11			
D13S317	12				12	12			12			
D7S820	10				10	10			10			
D16S539	12	13			12	13			12	13		
vWA	16	17	18		16	17	18		16	18		
TH01	6	9.3			6	9.3			6	9.3		
TPOX	8				8	8			8			
CSF1PO	12				12	12			12			

5. STR authentication for HCC827 cells.

Certificate of STR Analysis

1. Sample

HCC827

2. Methods

The sample DNA was analyzed in Guangdong HybriBio Biotech Co., Ltd.

The cell line sample was processed using the ABI Prism® 3500xl Genetic Analyzer.

Data were analyzed using GeneMapper® 5 software (Applied Biosystems).

3. Results

Amelogenin:	X
CSF1PO:	11
D13S317:	9
D16S539:	12
D5S818:	12
D7S820:	11,12
TH01:	6
TPOX:	8
vWA:	18

6. STR authentication for H460 cells.

参考传代比例： 1:3

参考传代周期： 3-5 天

参考换液频率： 每周 2 次

冻存液配方： 完全培养液 95%， DMSO 5%

细胞形态： 上皮样， 贴壁生长

支原体检测结果： 阴性

STR 鉴定结果：

Amelogenin: X,Y

CSF1PO: 11,12

D13S317: 13

D16S539: 9

D5S818: 9,10

D7S820: 9,12

THO1: 9.3

TPOX: 8

vWA: 17