



S I R W I L L I A M
DUNN SCHOOL
O F P A T H O L O G Y

Certificate of analysis

DRICUi002-A

Operator: SH Ellwood Date: 16/06/2023

Supervisor: SA Cowley Date: 02/08/2023

Signature: *SA Cowley*

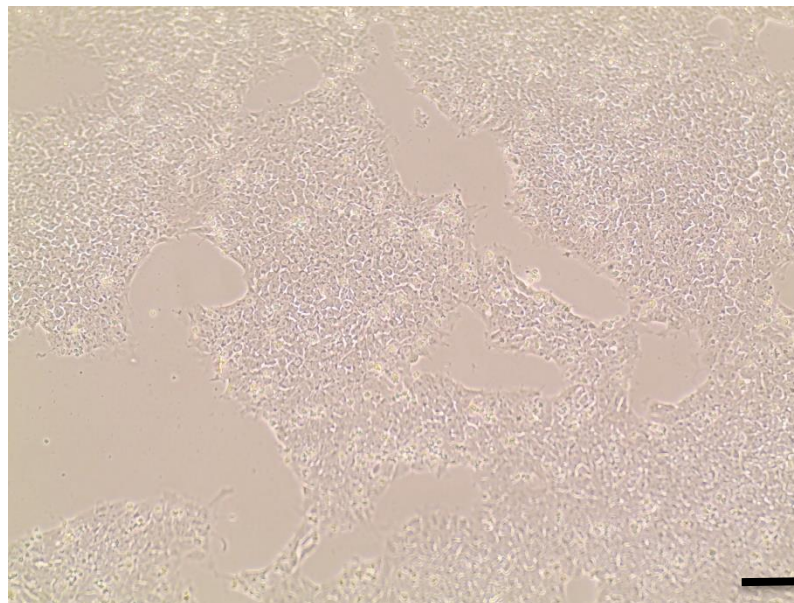
Source of cells and reprogramming information

- ADANG10242CA T cells from Cardiff
10/05/2022
- Reprogrammed at UOXF AKA IPMAR32
- Reprogrammed on 06/2022 SC/SE
- Reprogramming system Cytotune v2
- Clone DRICUi002-A = IPMAR32A6
- Banked at p13 11/2022 SE

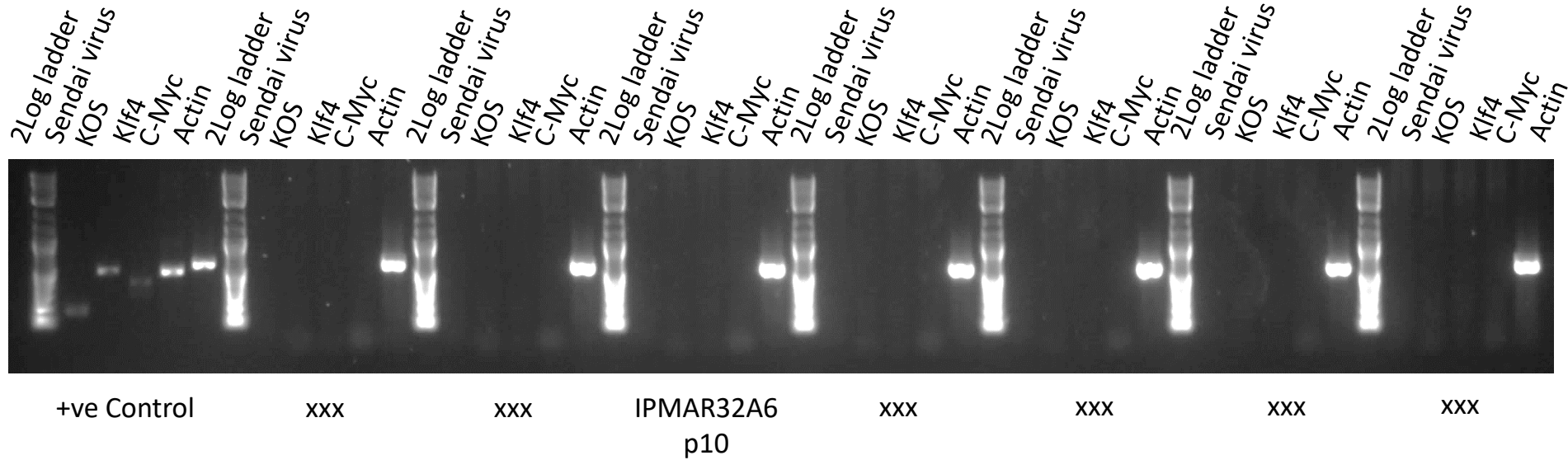
Viability post-thaw and Morphology according to JMSCFSOP19 passage 14

- Vial cell count immediately post-thaw 2.06×10^6
- Viability immediately post-thaw 86.6%
- Photo at day 3 post-thaw (scale bar = $100\mu\text{m}$):

Day 3 post-thaw, 20% plated to 1w.6wp



Sendai Cytotune 2 clearance: according to Cytotune manual Virus undetectable at passage 10



Product sizes: SeV 181bp; KOS 528bp; SeV-Klf 410bp; SeV-Myc 532bp; Actin 623bp

Sterility:

Mycoplasma Test: According to MycoAlert Lonza LT07-318 undetectable at passage 14.

Visual inspection of thawed cells cultured without antibiotic/antimycotic for 4 days:
no evidence of bacteria, yeast or fungus.

Sample	Clone	Passage number	Initial	Reading 1	Reading 2	Ratio/Status
+ve control				0.888	114.2	128.60
-ve control				3.476	0.816	0.23
	DRICUi002-A (IPMAR32A6)	p14	SE	1.221	0.926	0.76

Results mean:

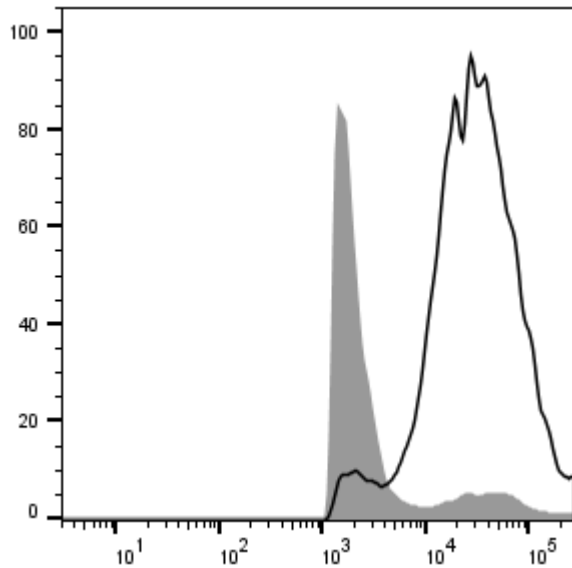
Ratio **0 - 0.999** negative for mycoplasma

Ratio **1 – 1.3** Borderline Result (retest required)

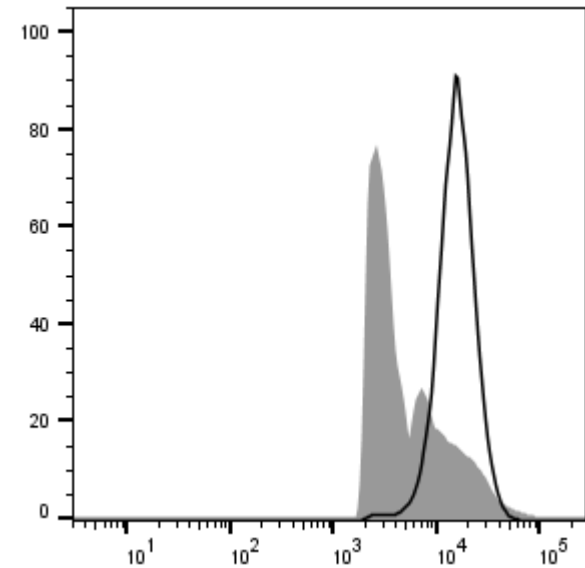
Ratio above **1.3** positive for mycoplasma

Flow cytometric analysis according to JMSCFSOP05 passage 14

DRICUi002 Tra-1-60 78.4%



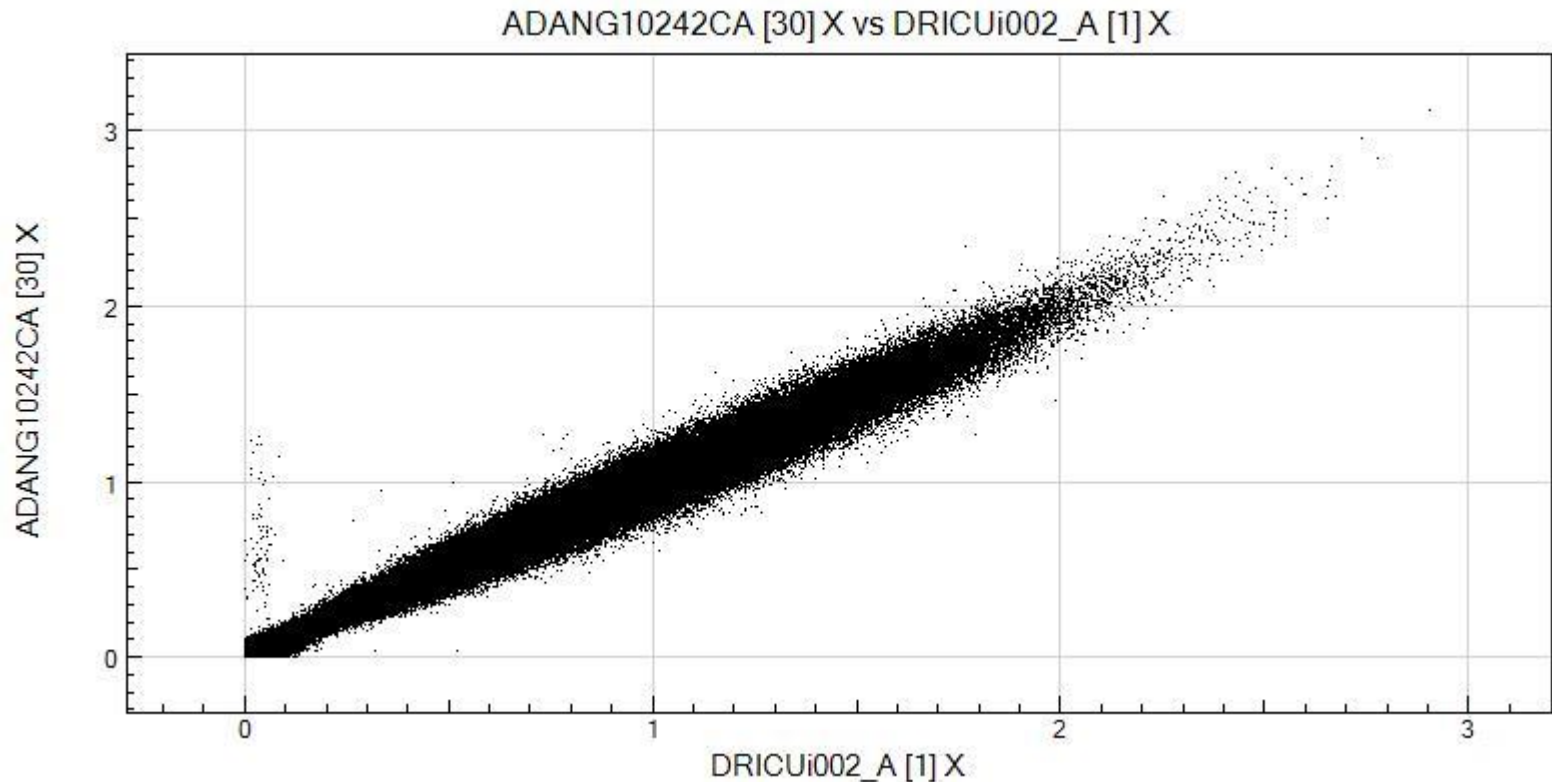
DRICUi002 Nanog 71.4%



Illumina GSA SNP analysis according to JMSCFSOP16

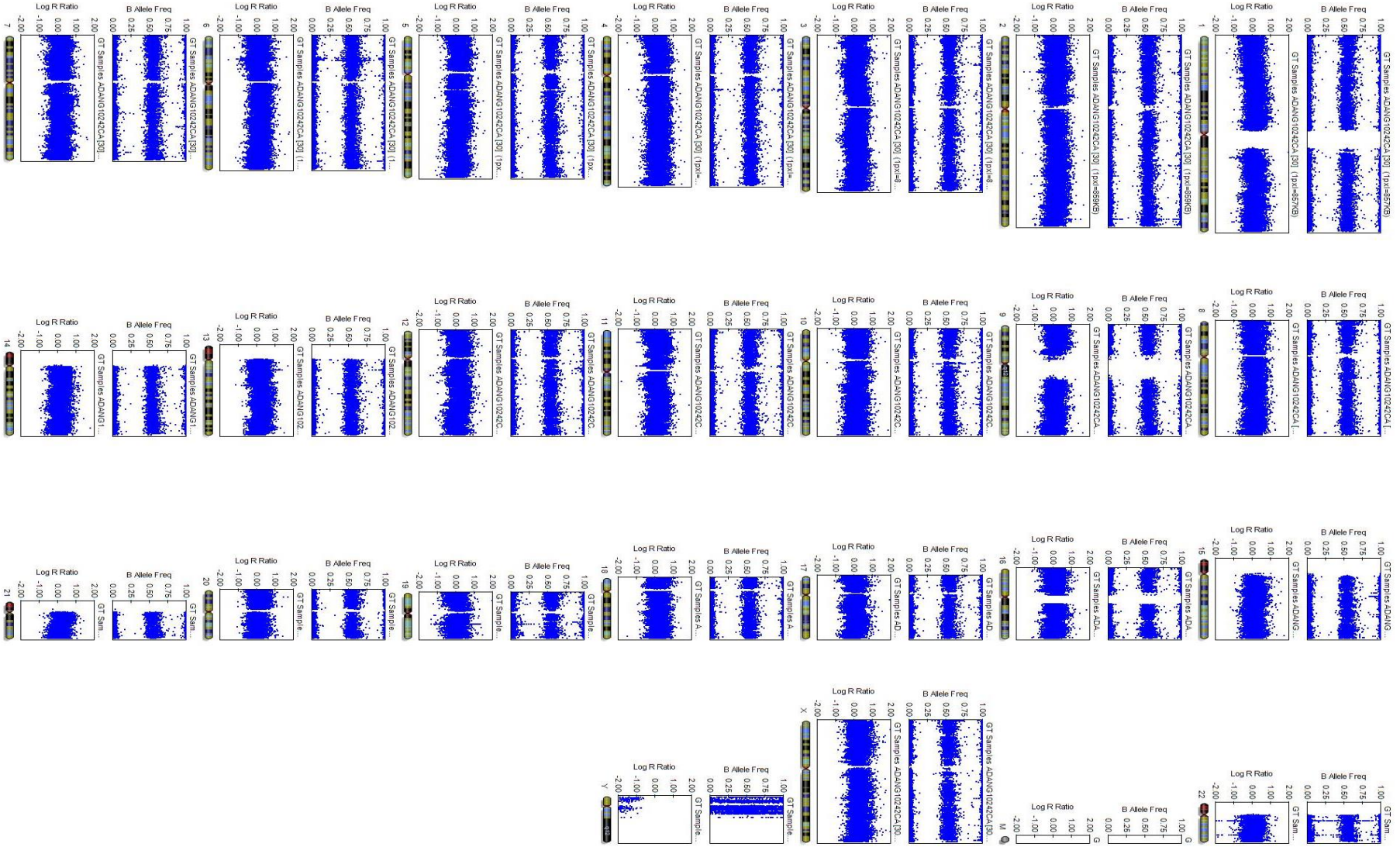
- Passage 13
- Identity to parent PBMC confirmed
- Karyotype abnormalities:
 - No gross abnormalities detected vs PBMC

Alignment of ADANG10242CA PBMC SNPs with DRICUi002-A



Regression
Coefficient
 $R^2 = 0,988$

Karyogram ADANG10242CA PBMC



Karyogram DRICUi002-A

