



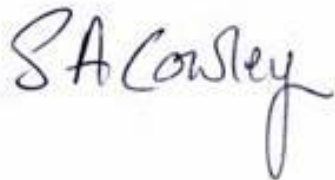
S I R W I L L I A M  
**DUNN SCHOOL**  
O F P A T H O L O G Y

# Certificate of analysis

DRICUi023-A

Operator: SH Ellwood Date: 29/06/2023

Supervisor: SA Cowley Date: 02/08/2023

Signature: 

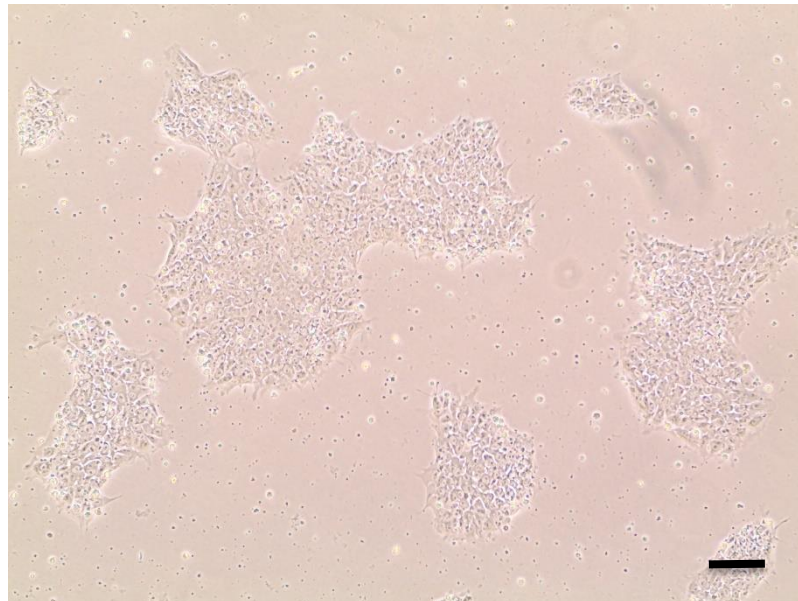
# Source of cells and reprogramming information

- NF35A00021A T cells from Cardiff 10/05/2022
- Reprogrammed at UOXF AKA IPMAR25
- Reprogrammed on 06/2021 SC/SE  
Reprogramming system Cytotune v2
- Clone DRICUi023-A = IPMAR25A3
- Banked at p13 11/2022 SE

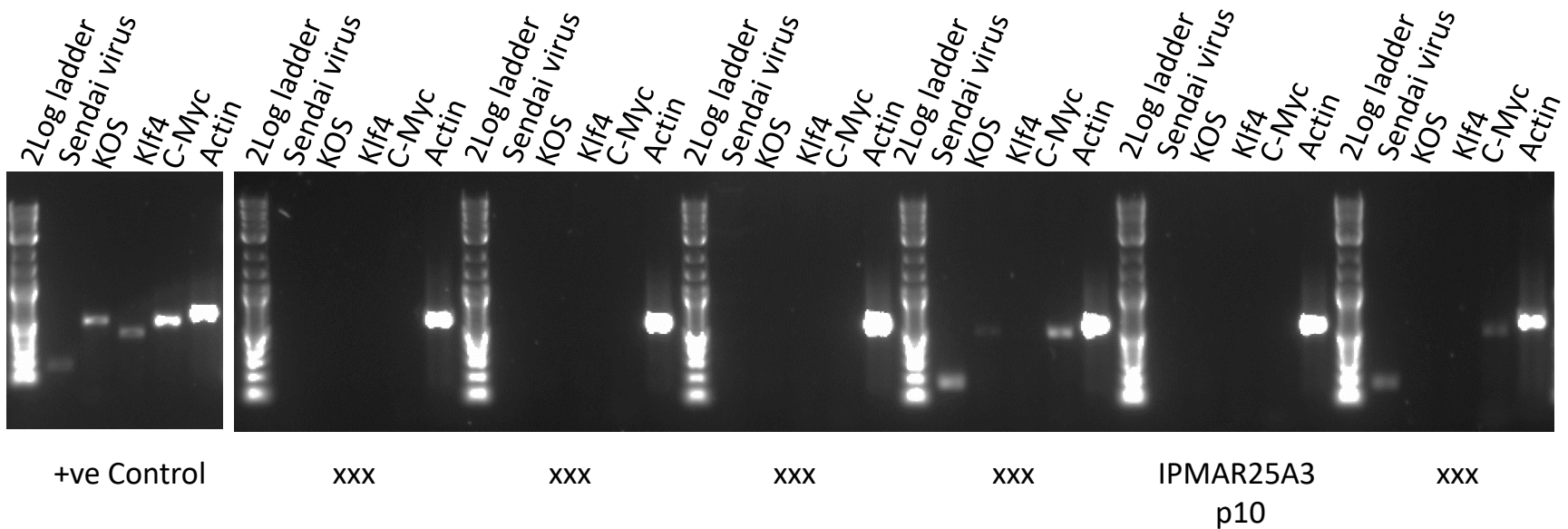
# Viability post-thaw and Morphology according to JMSCFSOP19 passage 14

- Vial cell count immediately post-thaw  $9.45 \times 10^5$
- Viability immediately post-thaw 84%
- Photo at day 3 post-thaw (scale bar = 100 $\mu$ 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
	IPMAR25A3 DRICUi023-A	p14	SE	1.171	0.857	0.73

Results mean:

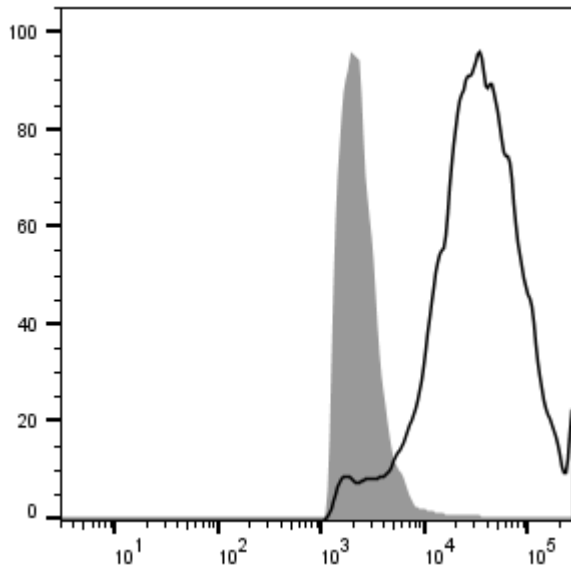
Ratio 0 - 0.999 negative for mycoplasma

Ratio 1 – 1.3 Borderline Result (retest required)

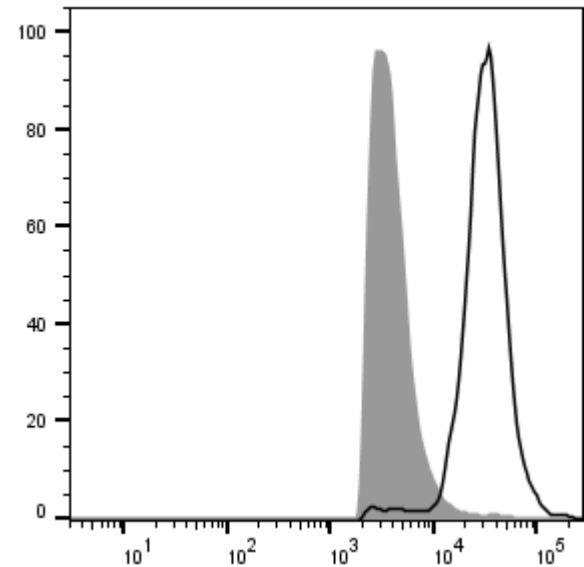
Ratio above 1.3 positive for mycoplasma

# Flow cytometric analysis according to JMSCFSOP05 passage 14

DRICUi023 Tra-1-60 85%



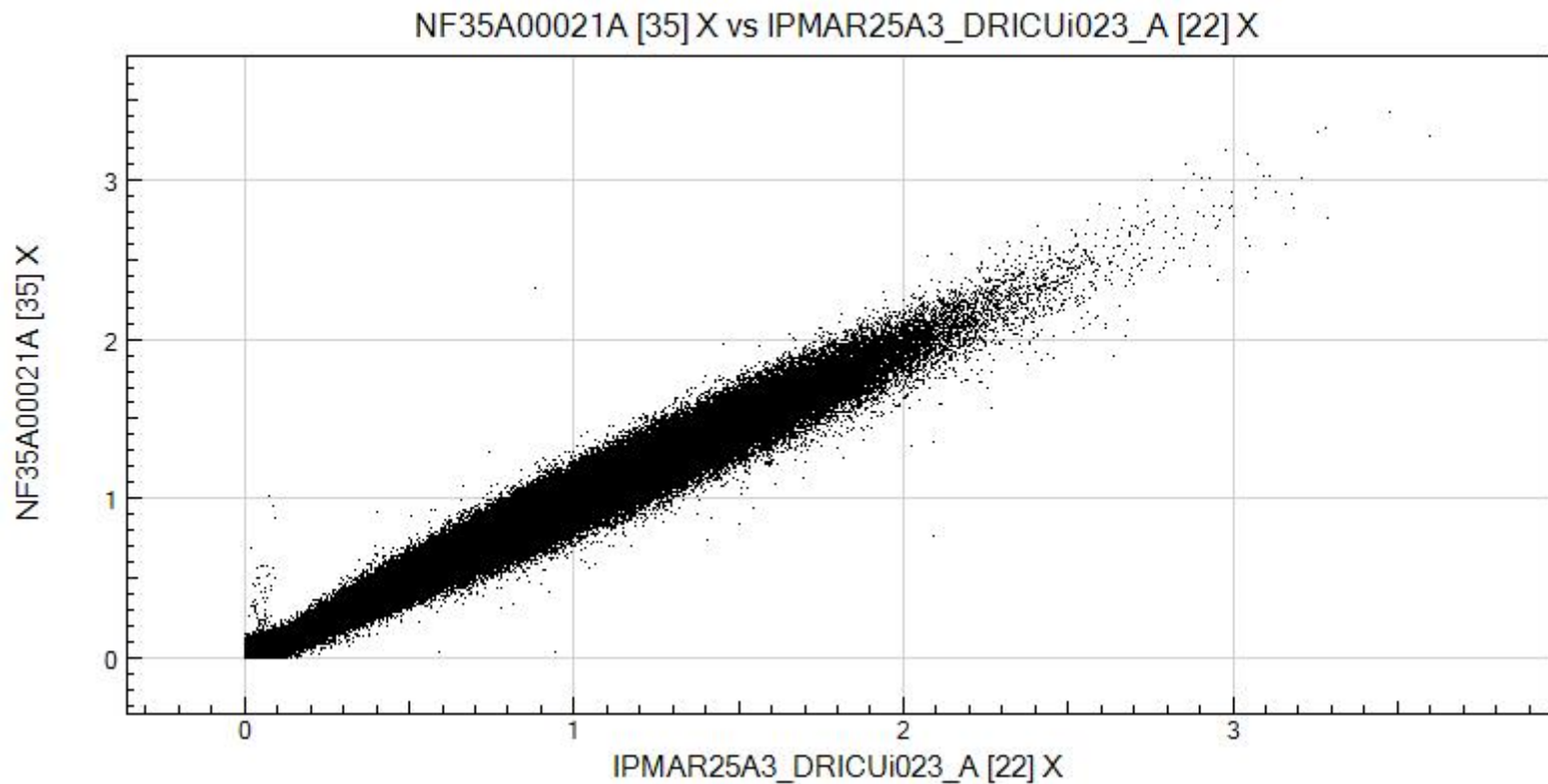
DRICUi023 Nanog 80.4%



# Illumina GSA SNP analysis according to JMSCFSOP16

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

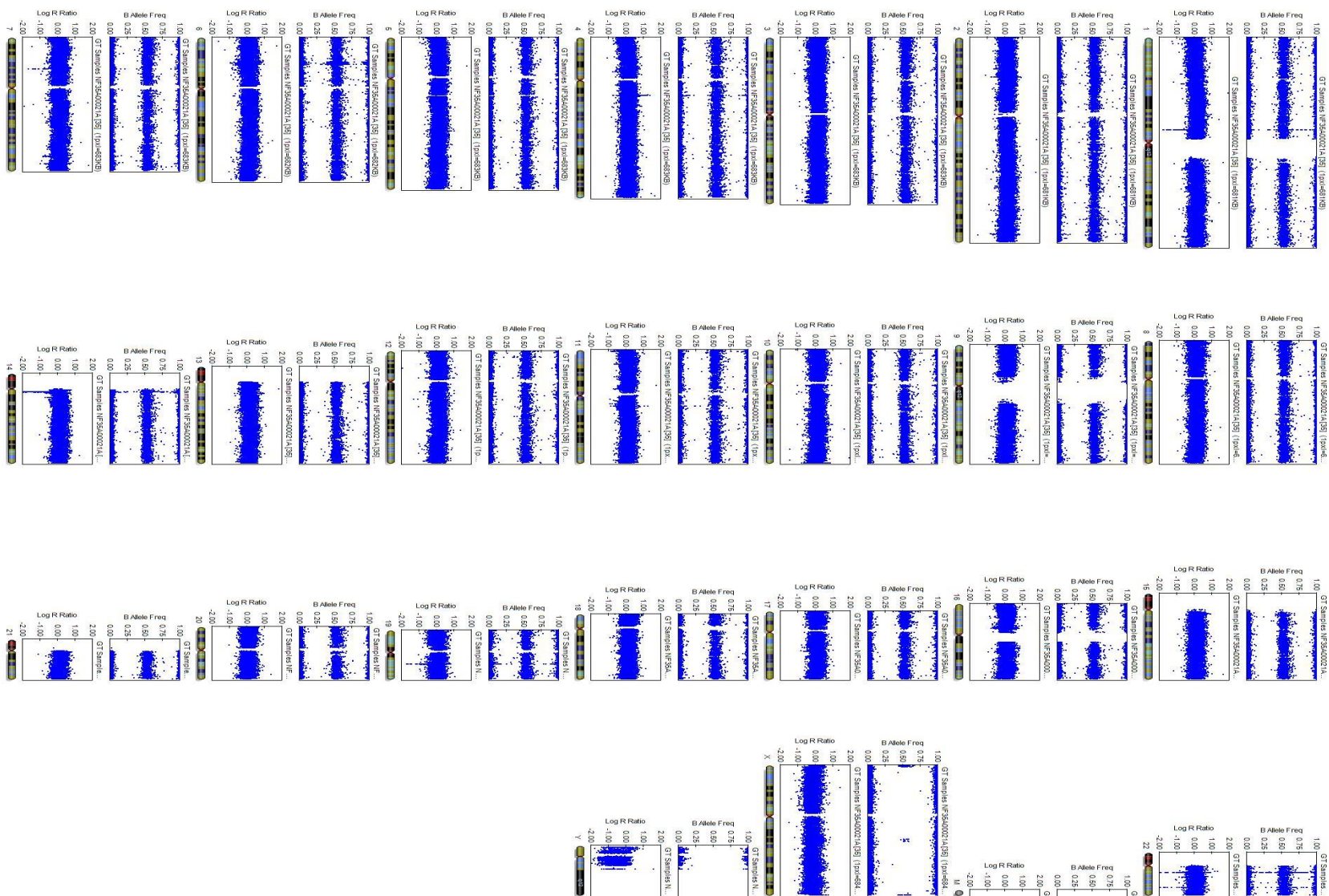
# Alignment of NF35A00021A PBMC SNPs with DRICUi023-A



Regression  
Coefficient  $R^2$  :  
0.9868



# Karyogram NF35A00021A PBMC



# Karyogram DRICUi023-A

