IPMAR

IPSC Platform to Model Alzheimer's Disease Risk

Certificate of analysis

DRICUi053-A

Operators: C Bridge/J Winston/R O'Donoghue

Date: 04/06/2026

Supervisor: H Hall-Roberts

Date: 19/06/2026

Signature: 

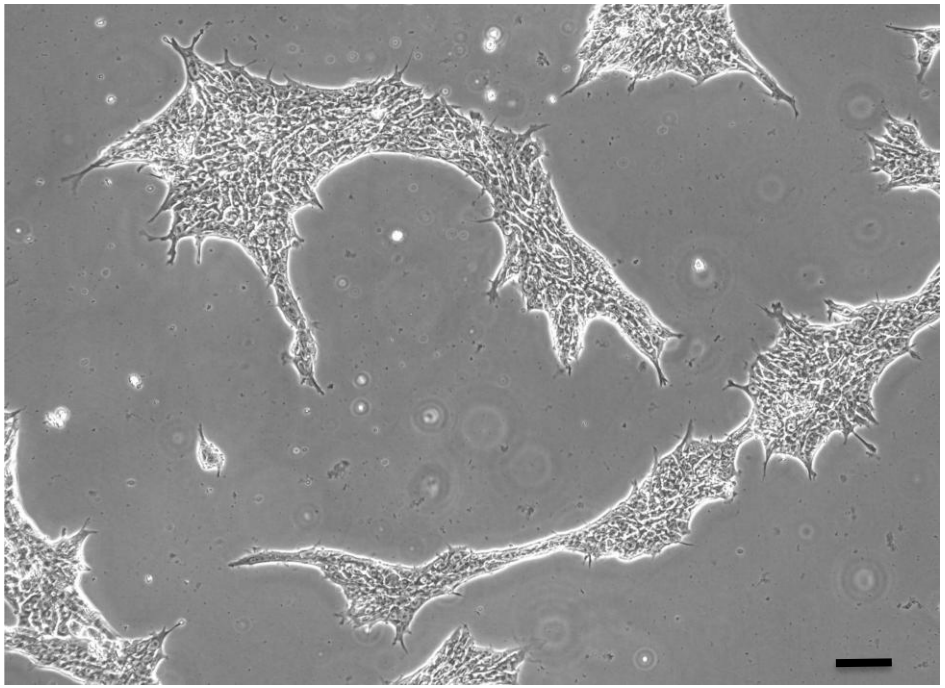
Source of cells and reprogramming information

- ADLON40138CA T cells from Cardiff 16/05/23
- Reprogrammed at UOXF AKA IPMAR60
- Reprogrammed on 05/2023 Sally Cowley/ Sarah Ellwood (Oxford)
- Reprogramming system Cytotune v2
- Clone DRICUi053-A = IPMAR60A5
- Banked at P12, 21/10/24, Jincy Winston (Cardiff)

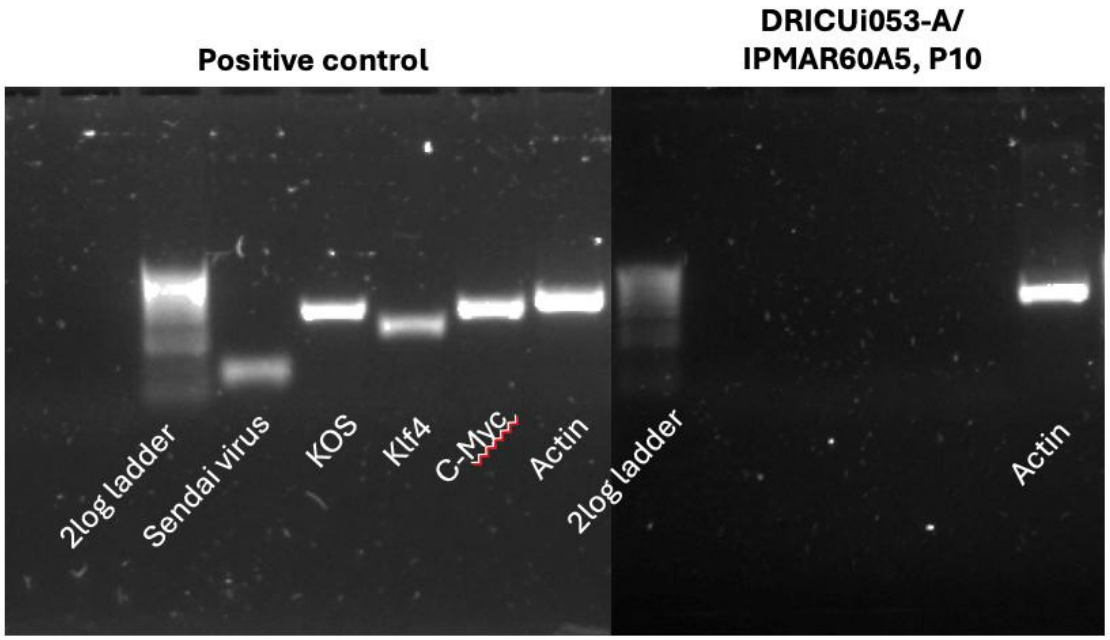
Viability post-thaw and Morphology according to JMSCFSOP19 passage 13

- Vial cell count immediately post-thaw 2.12 x 10^6
- Viability immediately post-thaw 95.1%
- Photo at day 2 post-thaw (scale bar = 100µm):

Day 2 post-thaw, 20% plated to 1w.6wp



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



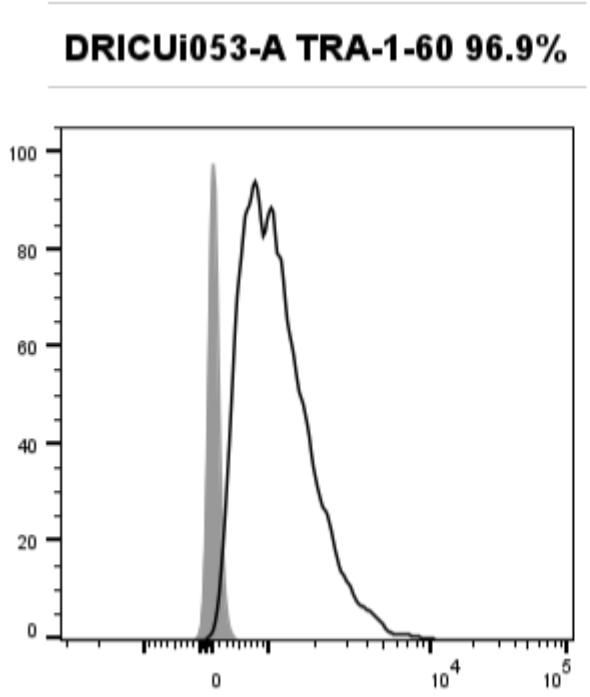
Product sizes: SeV 181bp; KOS 528bp; SeV-Klf 410bp; SeV-Myc 532bp; Actin 623bp

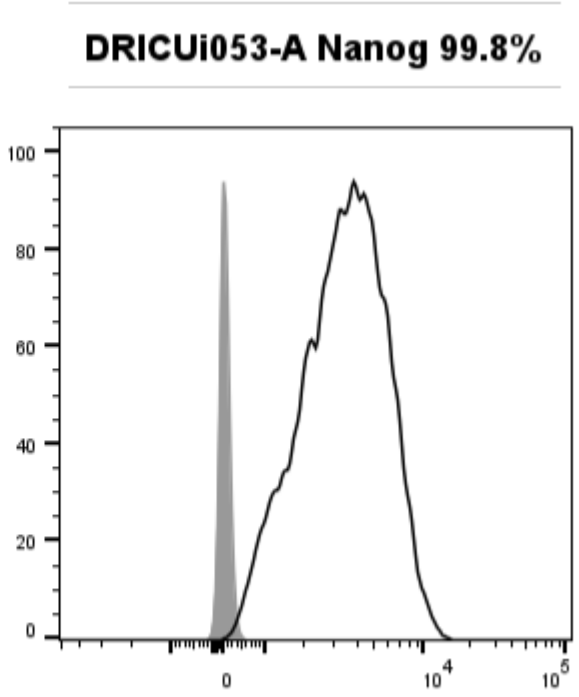
Sterility:

Mycoplasma test performed by Eurofins Genomics on 24/03/2025, undetectable at passage 18.

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

Flow cytometric analysis according to JMSCFSOP05 passage 12

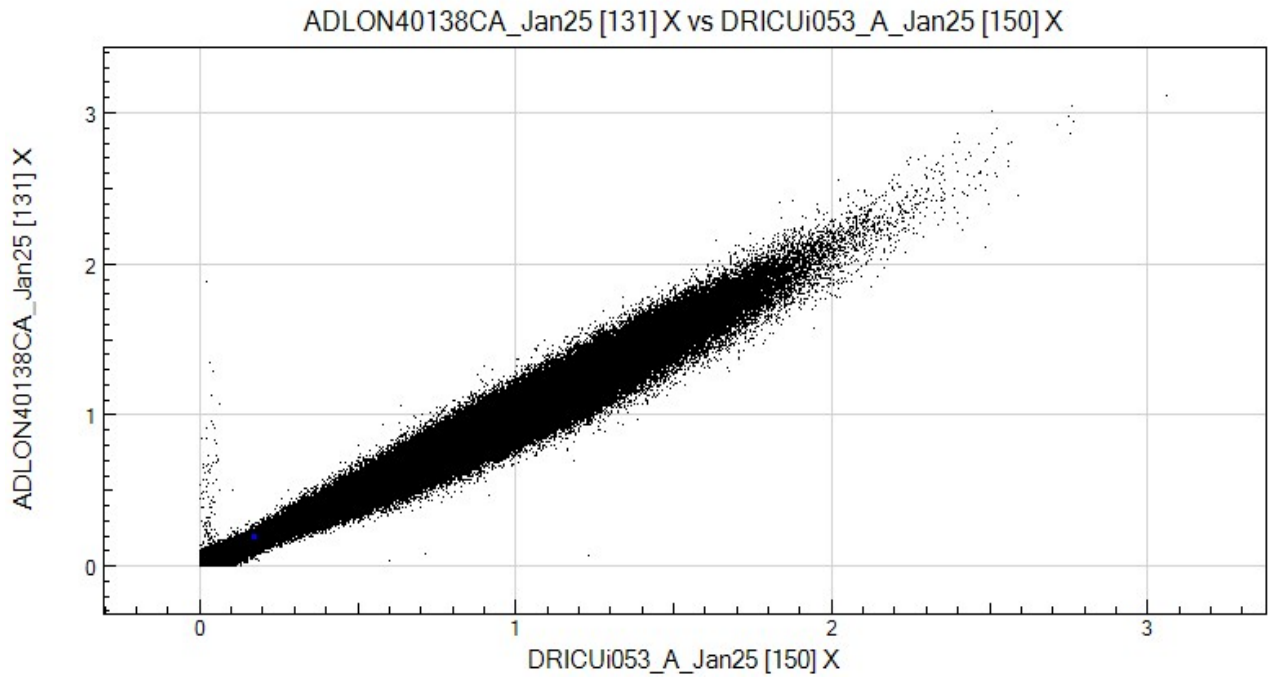




Illumina GSA SNP analysis according to JMSCFSOP16

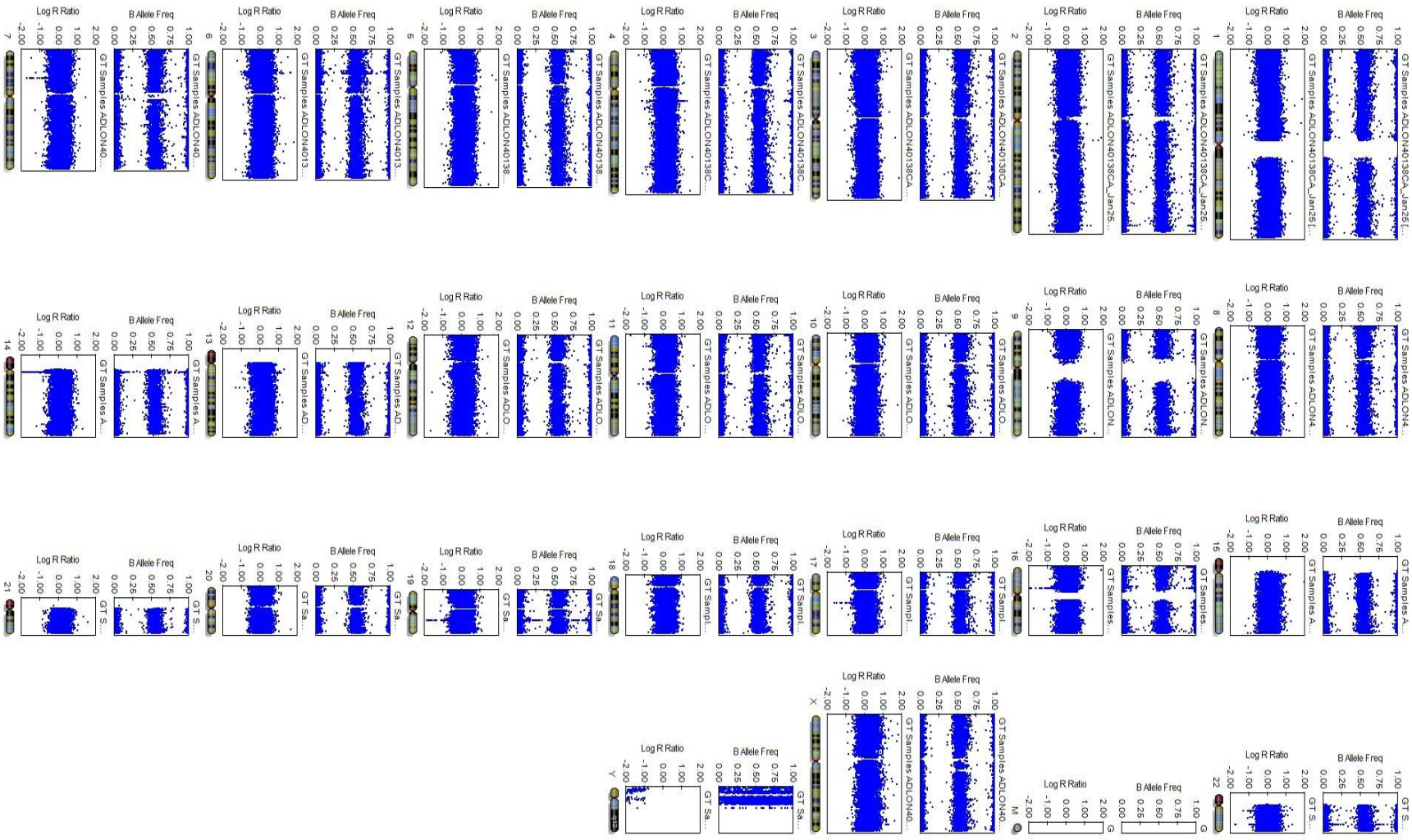
- Passage 16
- Identity to parent PBMC confirmed
- Karyotype abnormalities:
  - No gross abnormalities detected vs PBMC

Alignment of ADLON40138CA PBMC SNPs with DRICUi053-A



Regression Coefficient R^2 : 0.9856

Karyogram ADLON40138CA PBMC



Karyogram DRICUi053-A