



# Certificate of analysis

iPS MK024-9

Operator: Jane Vowles

Date: 06/01/2016

Supervisor: Sally Cowley

Date: 01/09/2016

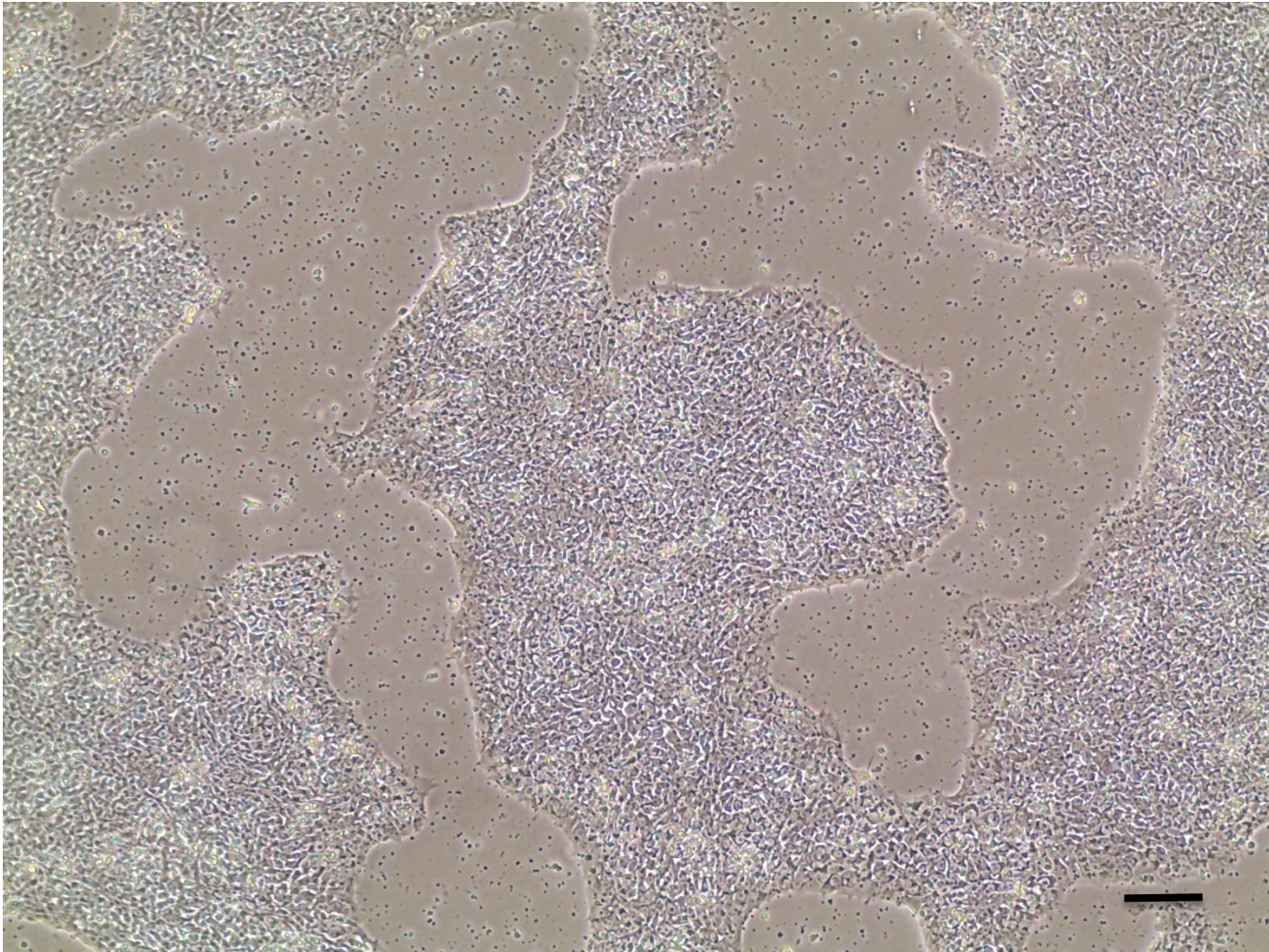
Signature: *SACowley*

# Source of fibroblasts and reprogramming information

- HDF MK024 from OPDC
- Received 11/02/2011
- Female, aged 63, sporadic PD
- Reprogrammed at UOXF JMSCF
- Reprogrammed on 24/02/2011 at passage 5
- Yamanaka retrovirus

# Photo p17

(scale bar = 100 $\mu$ m)



# Mycoplasma Test:

## According to R & D MycoProbe CUL001B undetectable in HDF prior to reprogramming

iPS MK024-3	-0.019		-0.031	NHDF OX2	
iPS MK024-4	-0.055		2.762	positive control	
NHDF MK002	0.005		0.000	negative control	
<b>NHDF MK024</b>	<b>-0.044</b>				

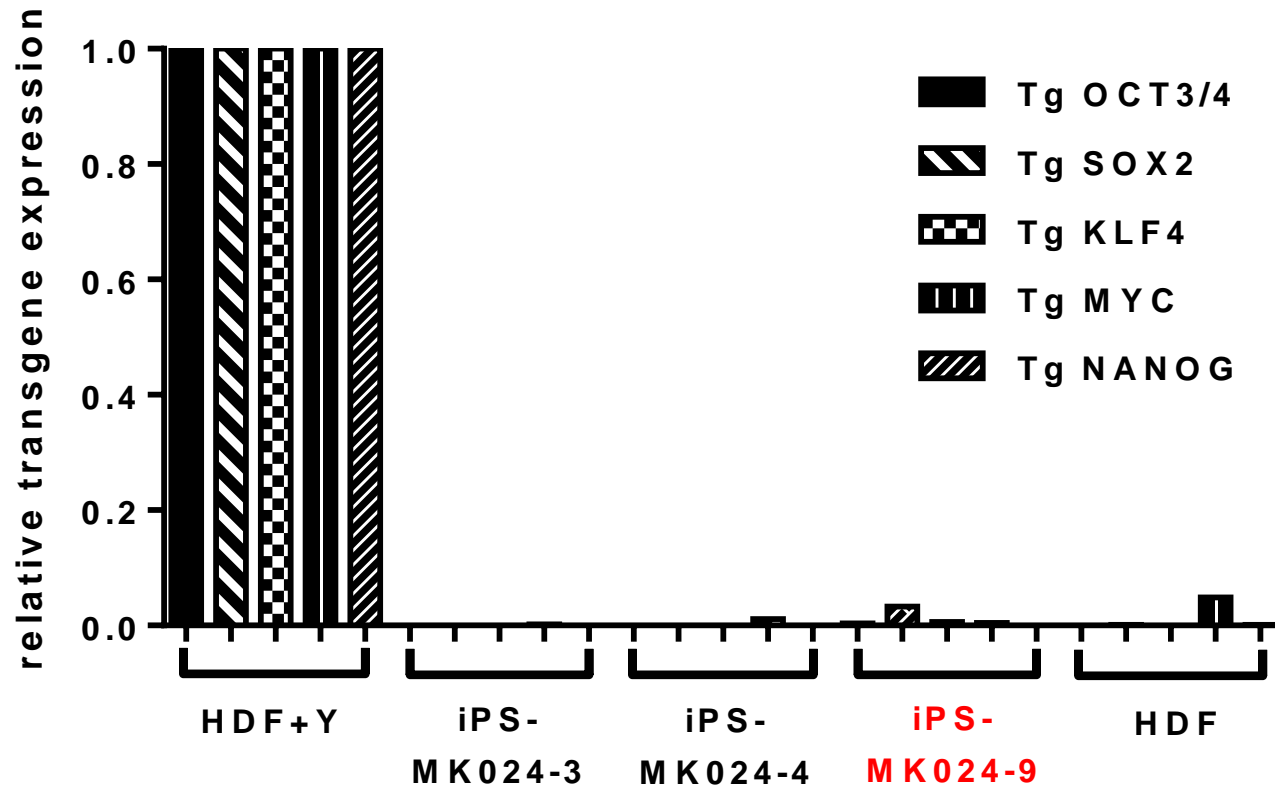
Results mean

<0.05 negative for mycoplasma

0.05-0.1 Borderline Result (retest required)

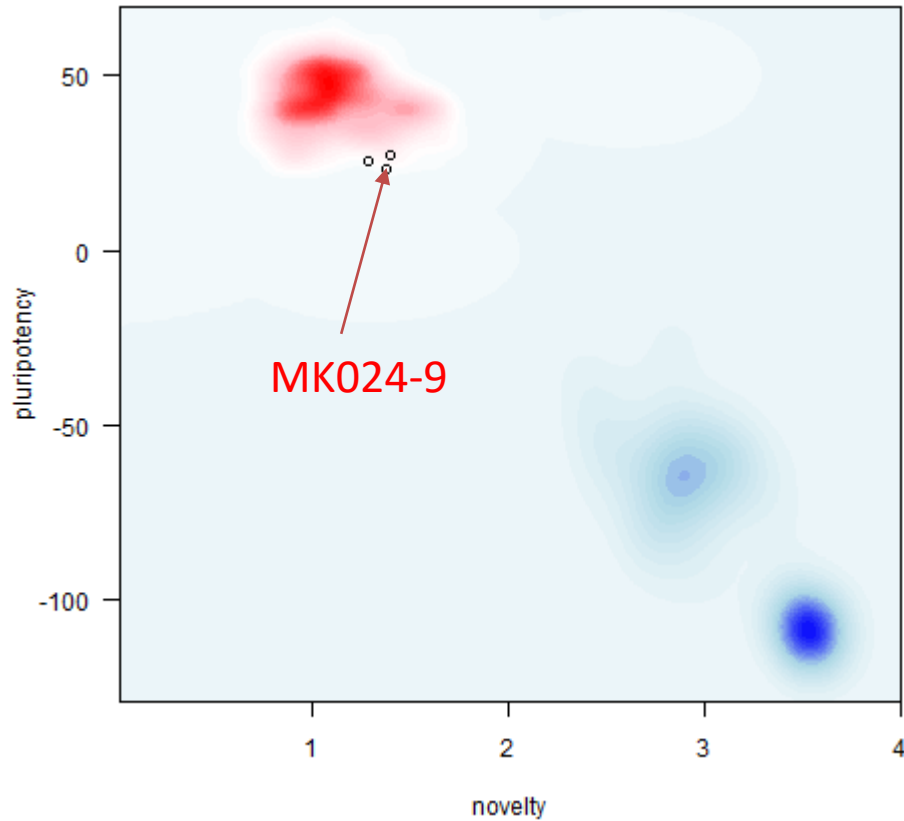
>0.10 positive for mycoplasma

# Silencing of transgenes



(normalised to NHDF transduced with Yamanaka reprogramming retroviruses/Nakanishi SeV 5d before harvest, 'NHDF+Y', relative to actin)

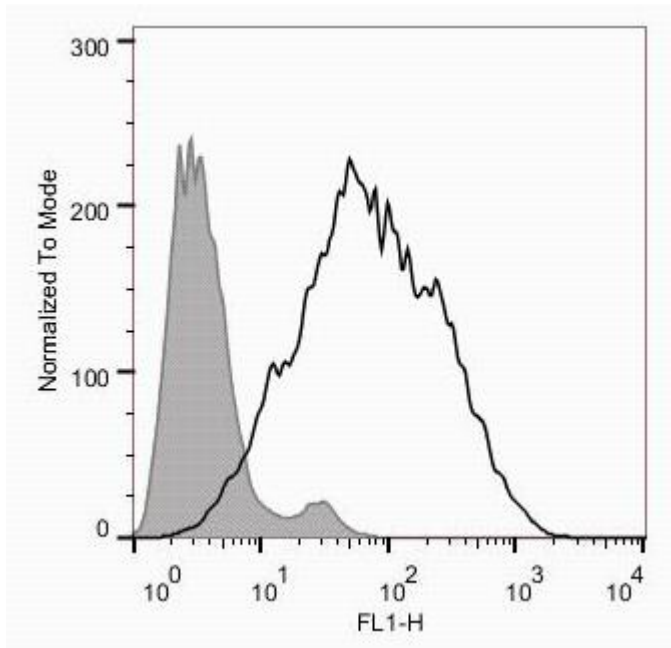
# PluriTest analysis of Illumina HT12v4 transcriptome array p16



	pluri-raw	pluri logit-p	novelty	novelty logit-p	RMSD
iPS.MK024.3	27.18	1.00	1.40	0.01	0.44
iPS.MK024.4	25.70	1.00	1.29	0.00	0.40
<b>iPS.MK024.9</b>	<b>23.38</b>	<b>1.00</b>	<b>1.38</b>	<b>0.01</b>	<b>0.42</b>

# Flow cytometric analysis of pluripotency markers p16

Tra-1-60:



# SNP analysis

## Illumina Human CytoSNP-12v2.1 beadchip array

- Passage p11
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected



