



Certificate of analysis

iPS MK002-6

Operator: Jane Vowles

Date: 06/01/2016

Supervisor: Sally Cowley

Date: 01/09/2016

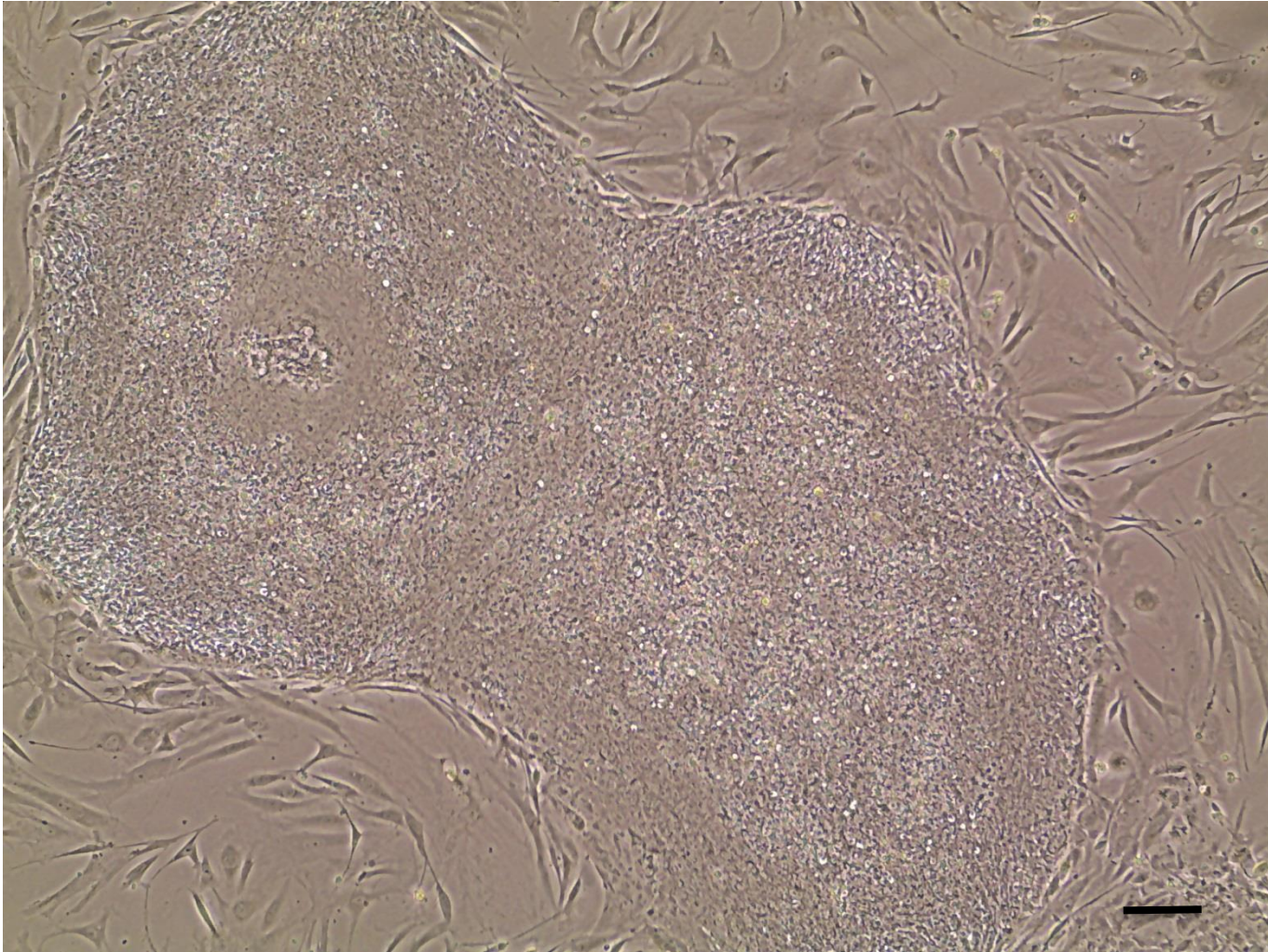
Signature: *SACowley*

Source of fibroblasts and reprogramming information

- HDF MK002 from OPDC
- Received 21/01/2011
- Female, aged 72, Lrrk2 G2019S
- Reprogrammed at UOXF JMSCF
- Reprogrammed on 06/09/12 at passage 7
- Yamanaka retrovirus

Photo p2

(scale bar = 100 μ m)



Mycoplasma Test:

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

iPS JR036-1	-0.028		-0.043	NHDF OX1	
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	

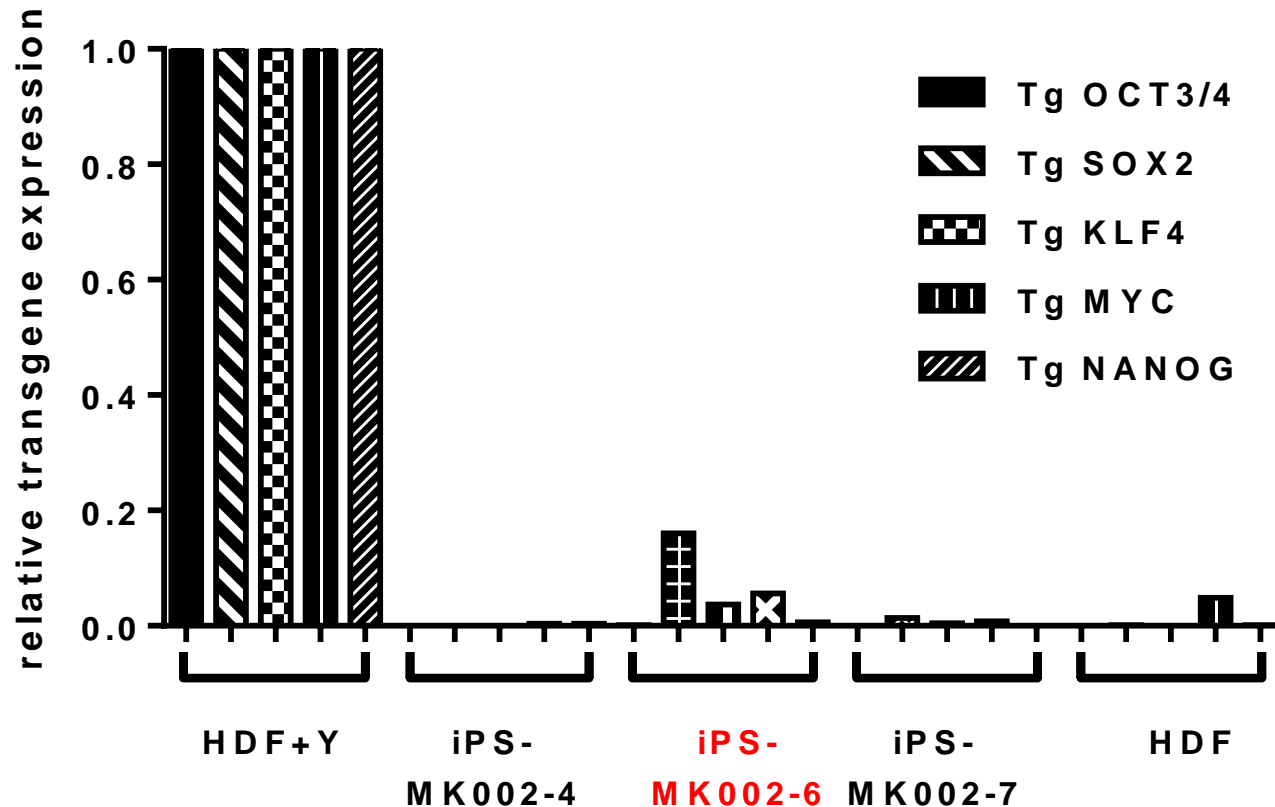
Results mean

<0.05 negative for mycoplasma

0.05-0.1 Borderline Result (retest required)

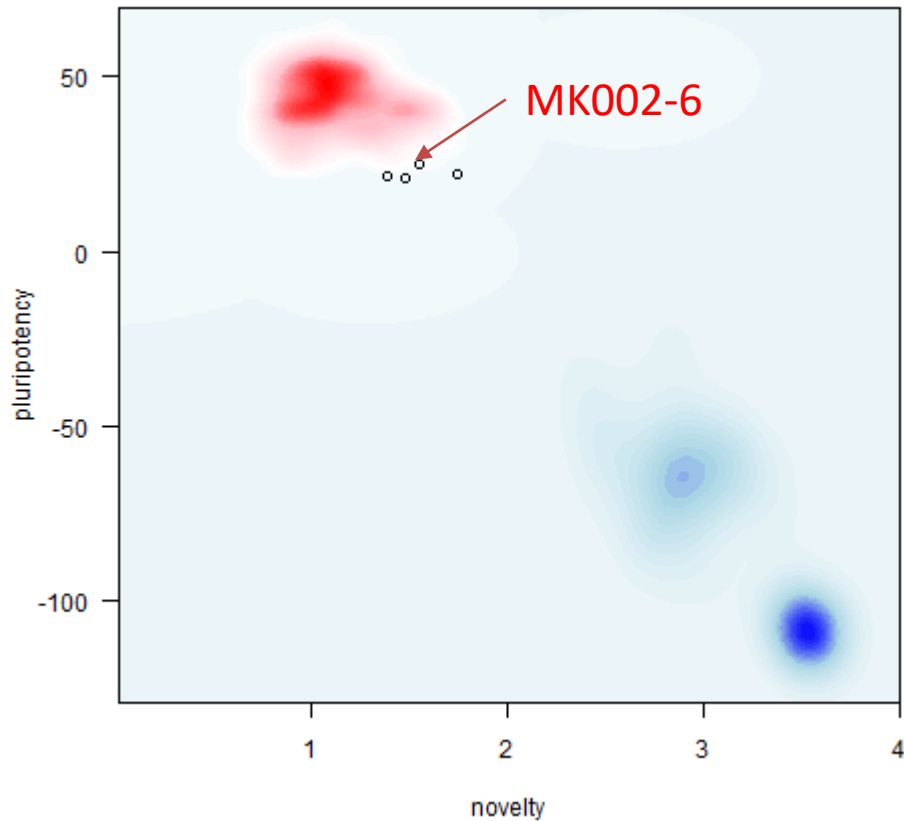
>0.10 positive for mycoplasma

Silencing of transgenes p12



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

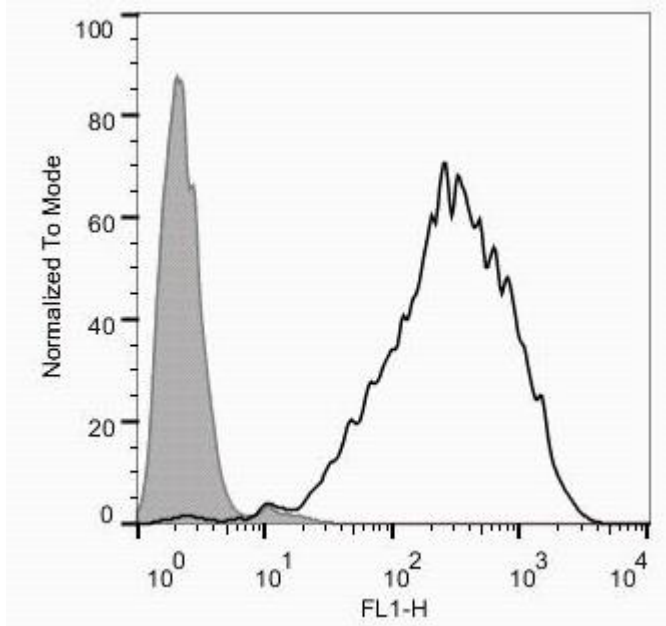
PluriTest analysis of Illumina HT12v4 transcriptome array p12



	pluri-raw	pluri logit-p	novelty	novelty logit-p	RMSD
iPS.MK002.4	21.44	1	1.4	0.01	0.44
iPS.MK002.6	25.36	1	1.55	0.04	0.45
iPS.MK144.7	21.05	1	1.48	0.02	0.44
iPS.OX2.28	22.22	1	1.75	0.24	0.44

Flow cytometric analysis of pluripotency markers passage p12

Tra-1-60:



SNP analysis

Illumina Human CytoSNP-12v2.1 beadchip array

- Passage p12
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected

