



Certificate of analysis

iPS MK144-10

Operator: Jane Vowles

Date: 06/01/2016

Supervisor: Sally Cowley

Date: 01/09/2016

Signature:

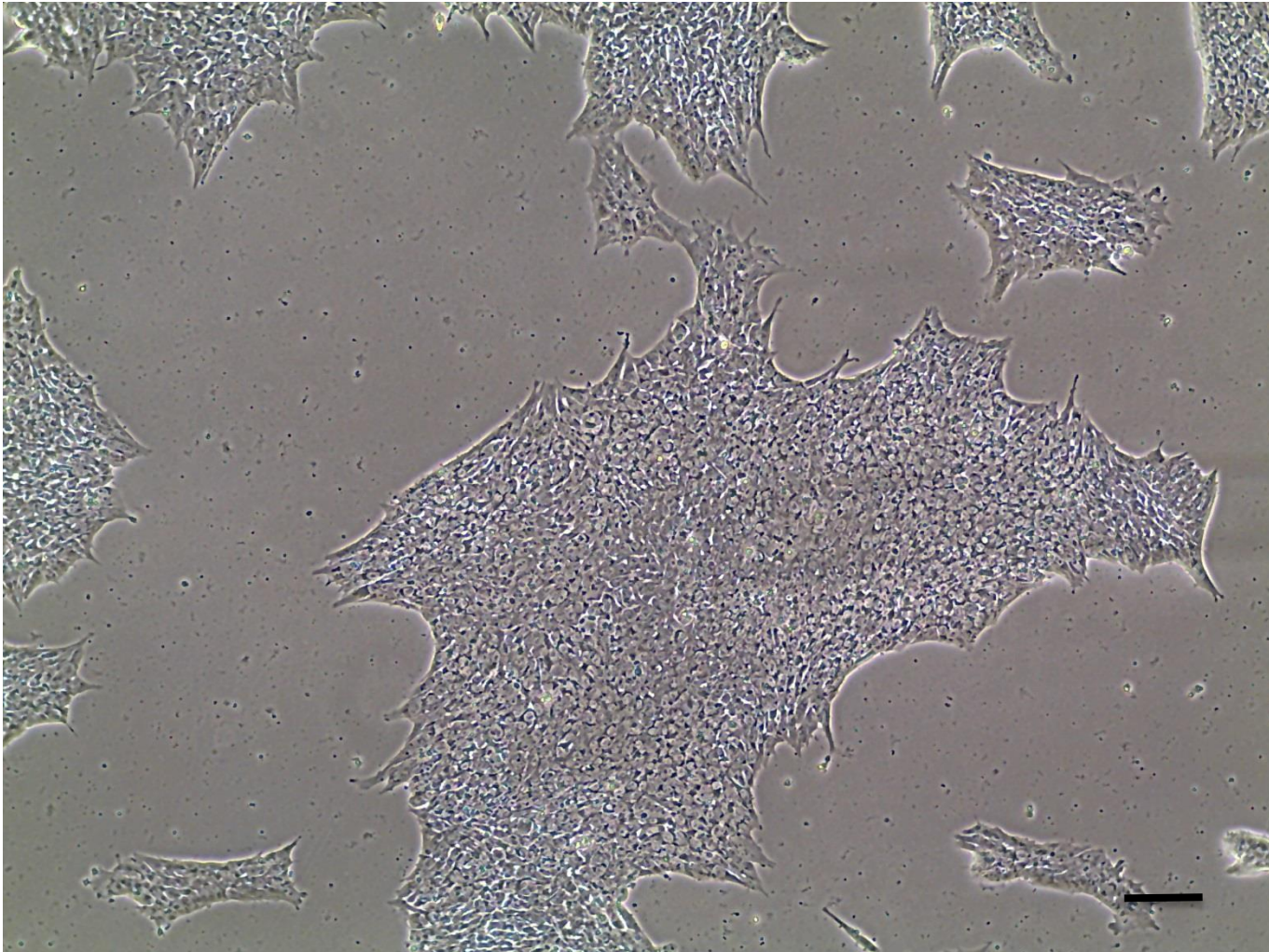
SACowley

Source of fibroblasts and reprogramming information

- HDF MK144 from OPDC
- Received 02/08/2012
- Female, aged 57, Lrrk2 G2019S
- Reprogrammed at UOXF JMSCF
- Reprogrammed on 06/09/12 at passage 3
- Yamanaka retrovirus

Photo p16

(scale bar = 100 μ m)



Mycoplasma Test:

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

Book number _____ Project number _____ Date: Wed 19/9/12 cont 147

Project / experiment title _____

References _____ Continued from page _____

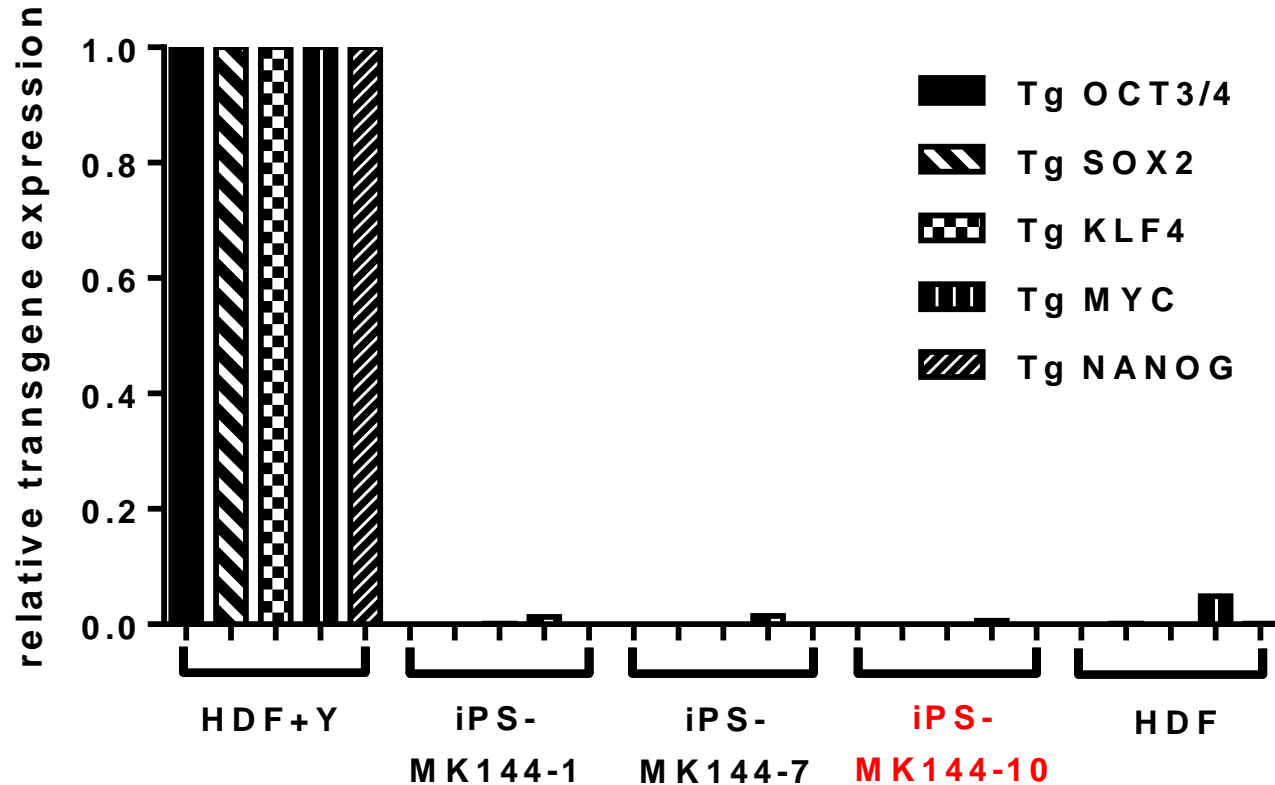
Samples sent to Philip Cobden for mycoplasma testing

Sample number	NHDF		Ratio
1	JL	p4	✓ 0.448
2	DD	p4	✓ 0.408
3	SH	p4	✓ 0.520
4	MK144	p5	✓ 0.416
5	JR011	p3	✓ 0.427
6	JR051	p1	✓ 0.485
7	JR061	p4	✓ 0.455
8	JR236	p3	✓ 0.334
9	JR066	p1	✓ 0.551
10	RH058	p1	✓ 0.579
11	NH031	p1	✓ 0.501
12	TURKE2	p12	✓ 0.491
13	7245	p11	✓ 0.553

Ratio 0 - 0.999 negative
1 - 1.3 borderline
1.3+ positive

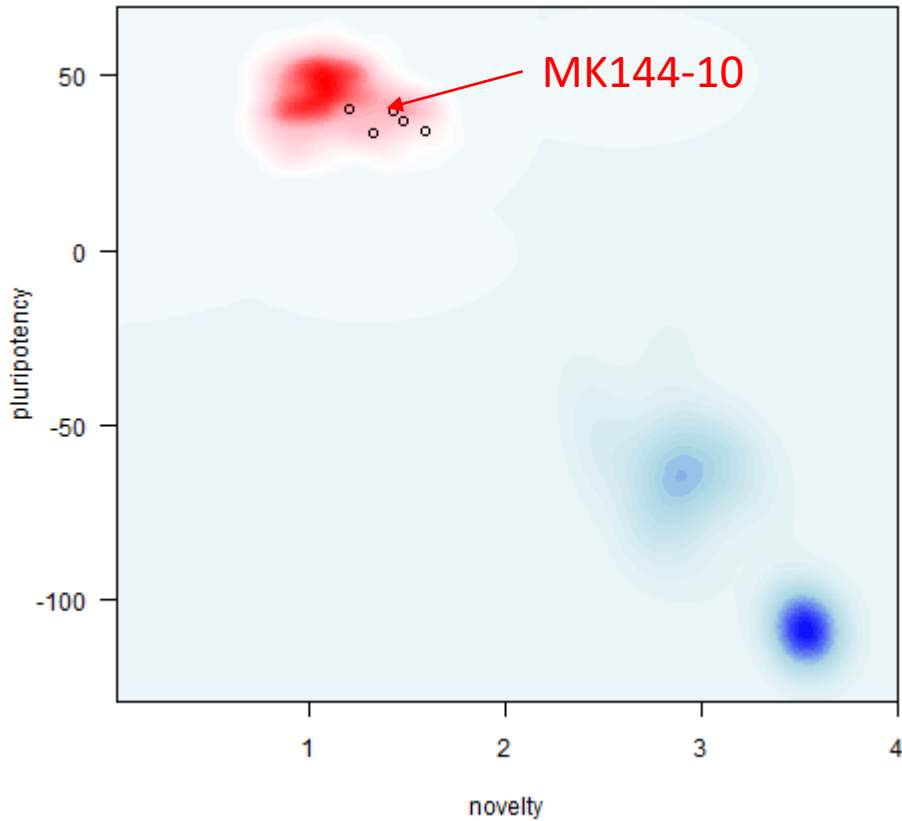
Positive control 2684
-ve " 0.121

Silencing of transgenes p15



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

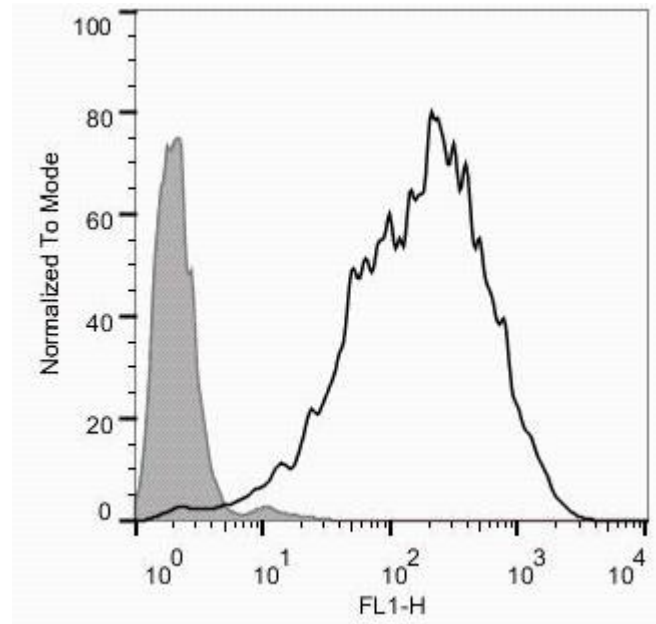
PluriTest analysis of Illumina HT12v4 transcriptome array p15



	pluri-raw	pluri logit-p	novelty	novelty logit-p	RMSD
JR023_2	34.33	1	1.59	0.06	0.47
MK002_7	40.77	1	1.20	0.00	0.43
MK088_7	36.84	1	1.48	0.02	0.40
MK144_1	33.82	1	1.33	0.00	0.42
MK144_10	39.68	1	1.43	0.01	0.44

Flow cytometric analysis of pluripotency markers passage p16

Tra-1-60:



SNP analysis

Illumina Human CytoSNP-12v2.1 beadchip array

- Passage p15
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected

