



Certificate of analysis

iPS JR023-7

Operator: Jane Vowles

Date: 06/01/2016

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Date: 19/08/2016

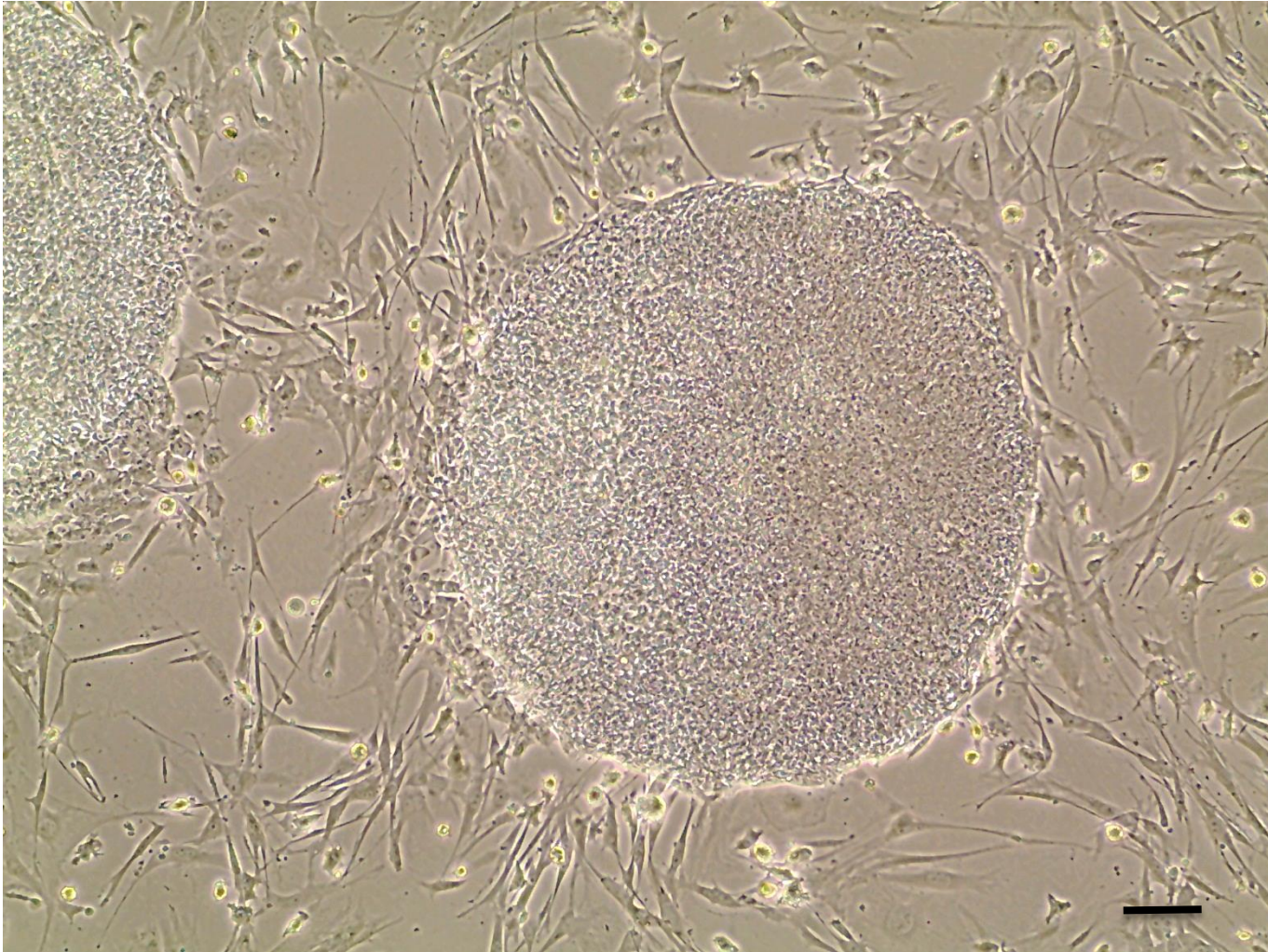
Signature: *SACowley*

Source of fibroblasts and reprogramming information

- HDF JR023 from OPDC
- Received 03/12/2010
- Male, aged 56, sporadic PD
- Reprogrammed at UOXF JMSCF
- Reprogrammed on 10/03/2011 at passage 4
- Yamanaka retrovirus

Photo p8

(scale bar = 100 μ m)



Mycoplasma Test:

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

iPS JR023-7	-0.037		-0.026	NHDF MK012	
iPS MK002-2	-0.019		-0.056	NHDF MK071	
iPS MK002-4	-0.021		-0.046	NHDF AH016	
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	
NHDF MK024	-0.044				

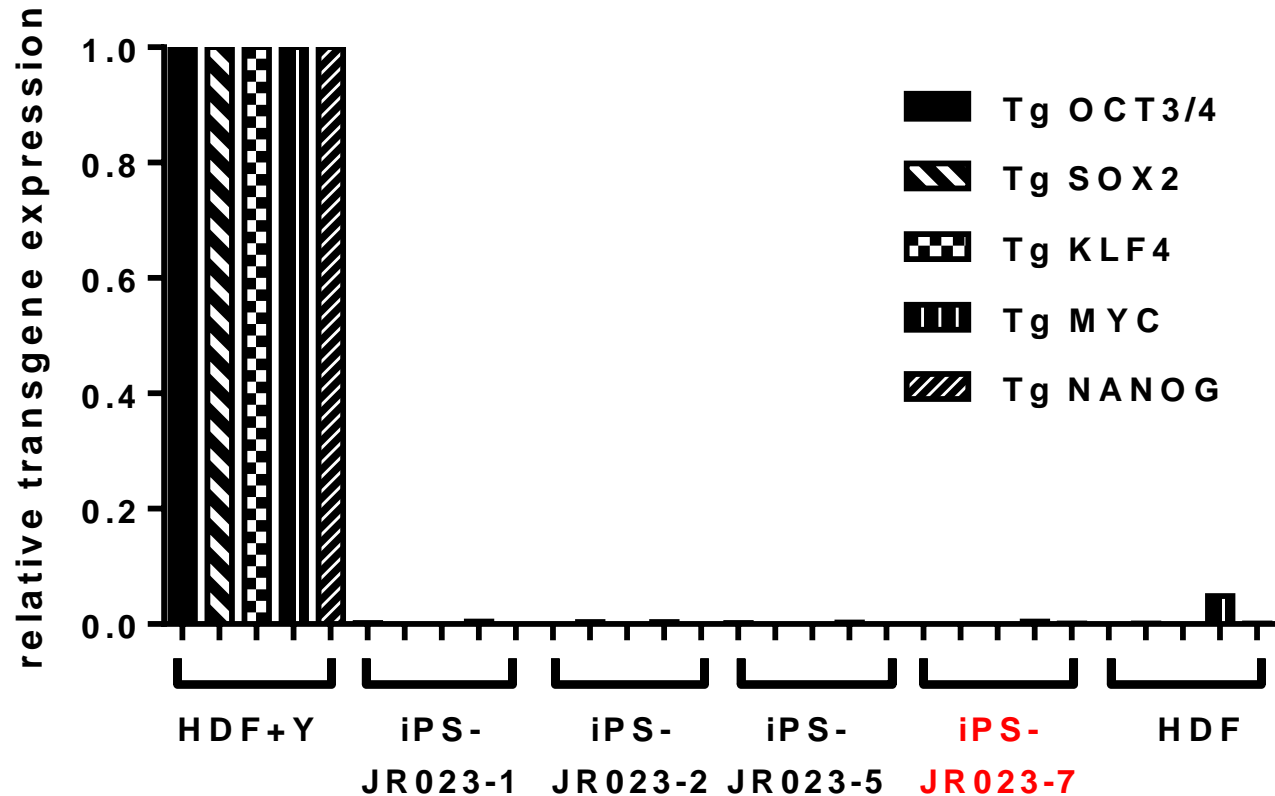
Results mean

<0.05 negative for mycoplasma

0.05-0.1 Borderline Result (retest required)

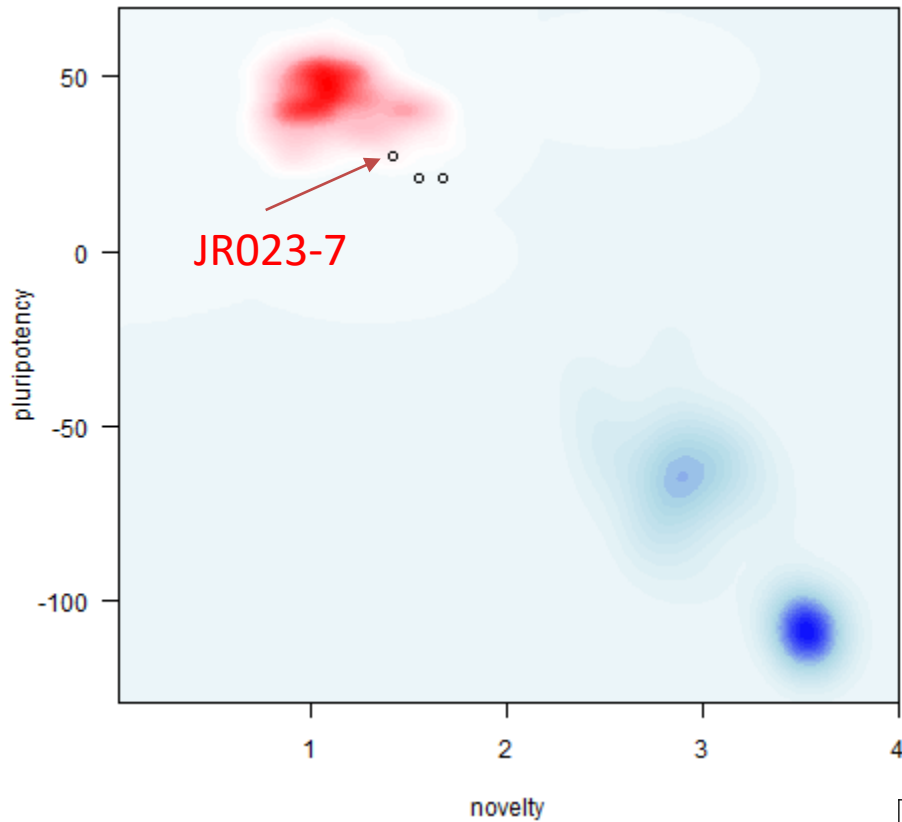
>0.10 positive for mycoplasma

Silencing of transgenes p13



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

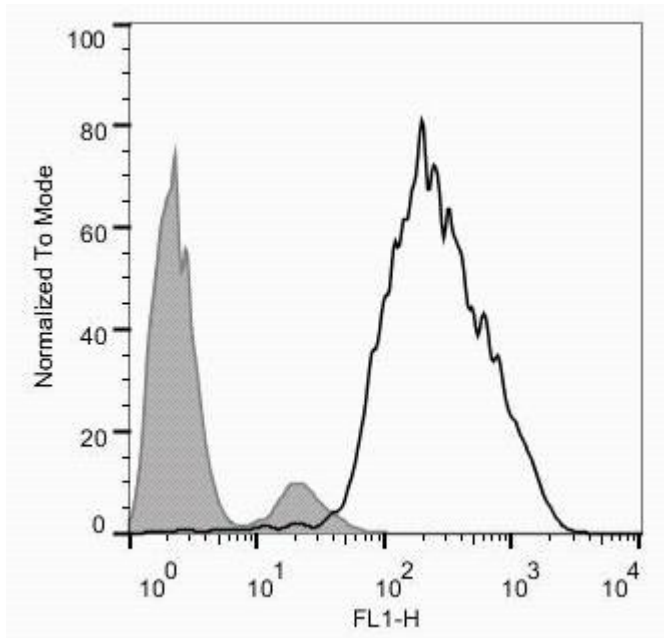
PluriTest analysis of Illumina HT12v4 transcriptome array p13



	pluri-raw	pluri logit-p	novelty	novelty logit-p	RMSD
iPS.JR023.1	21.11	1	1.55	0.04	0.42
iPS.JR023.5	21.12	1	1.68	0.13	0.44
iPS.JR023.7	27.23	1	1.42	0.01	0.40

Flow cytometric analysis of pluripotency markers passage 11

Tra-1-60:



SNP analysis

Illumina Human CytoSNP-12v2.1 beadchip array

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

