



Certificate of analysis

iPS OX1-19

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Date: 18/05/2016

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Date: 28/07/2016

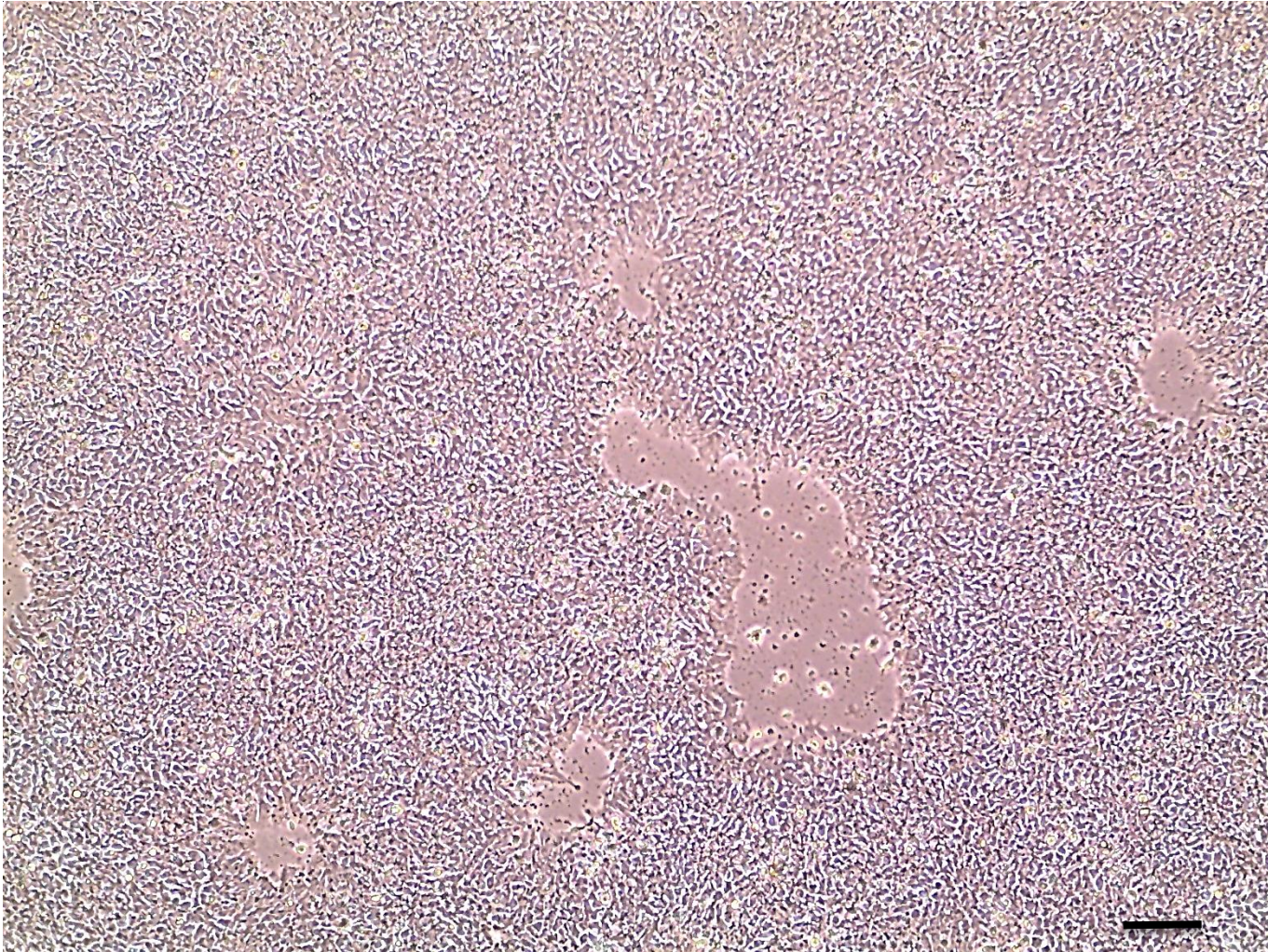
Signature: *SACowley*

Source of fibroblasts and reprogramming information

- HDF OX1 from OPDC
- Received 2011
- Male, aged 36, control
- Reprogrammed at UOXF JMSCF
- Yamanaka rv

Photo p26

(scale bar = 100 μ m)



Mycoplasma Test:

According to MycoAlert Lonza LT07-318 undetectable at passage 18

Sample	Operator	Passage No.	Reading 1	Reading 2	Ratio / Status
+ve Control			8.602	247.2	28.74
-ve Control			10.10	1.118	0.111
1. OX1-19	JV	p18	4.873	2.542	0.518

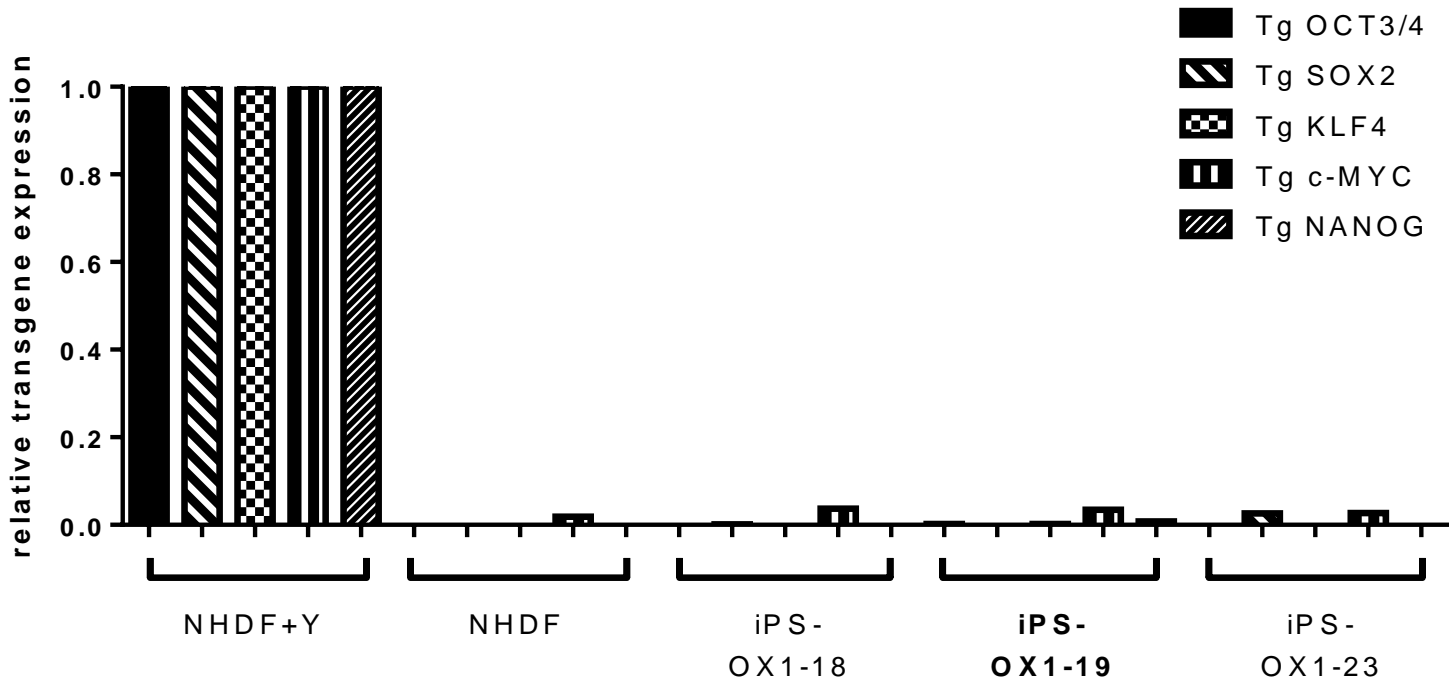
Results mean

Ratio **0 - 0.999** negative for mycoplasma

Ratio **1 – 1.3** Borderline Result (retest required)

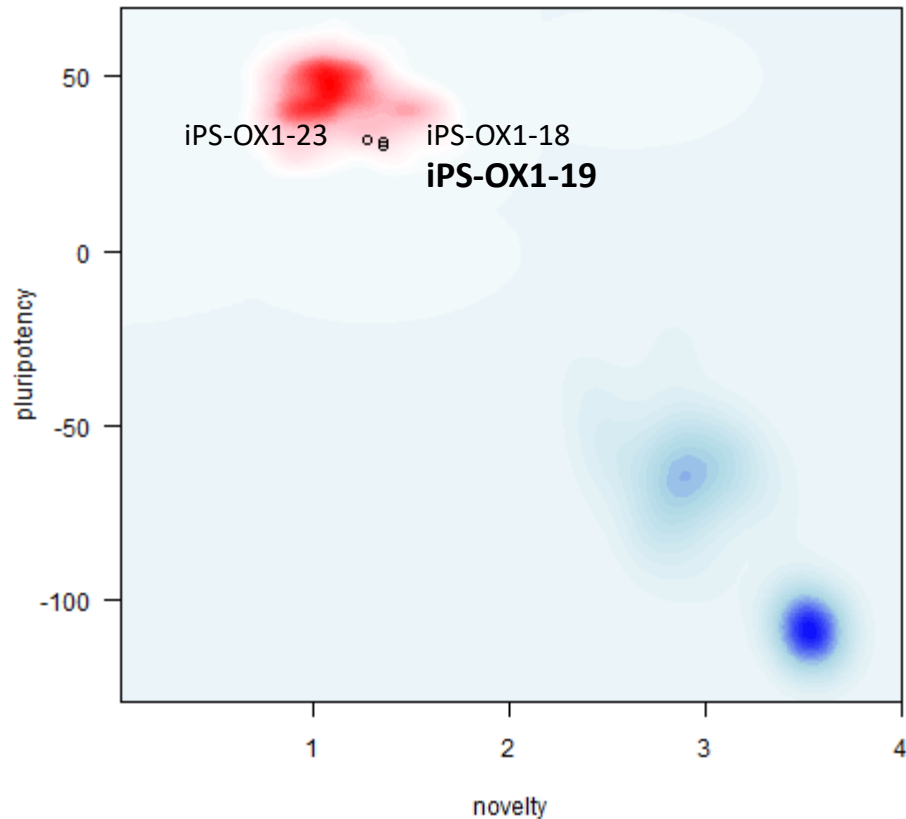
Ratio above **1.3** positive for mycoplasma

Silencing of transgenes p9



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

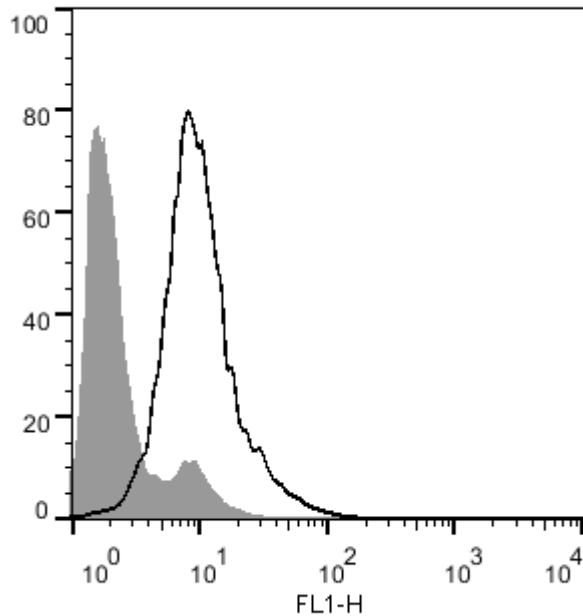
PluriTest analysis of Illumina HT12v4 transcriptome array p10



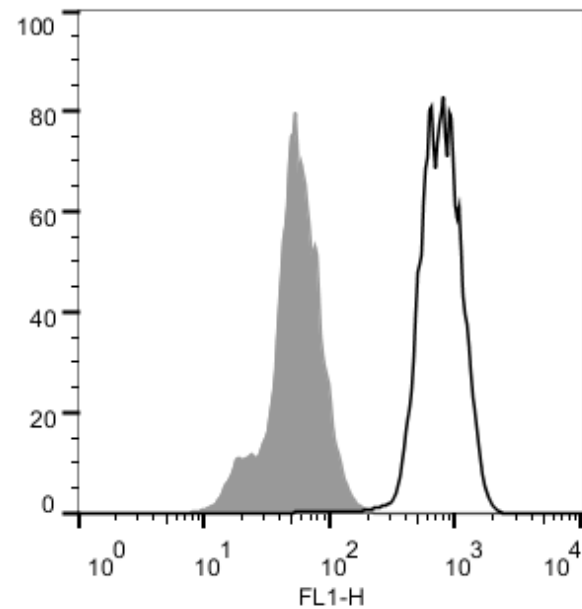
	pluri-raw	pluri logit-p	novelty	novelty logit-p	RMSD
iPS.DF19	31.73	1.00	1.46	0.02	0.43
iPS.MK082.29	30.33	1.00	1.38	0.01	0.36
iPS.MK082.30	27.50	1.00	1.22	0.00	0.35
iPS.NHDF.1	25.27	1.00	1.23	0.00	0.38
iPS.NHDF.2	29.51	1.00	1.18	0.00	0.37
iPS.OX1.18	31.38	1.00	1.36	0.01	0.36
iPS.OX1.19	30.06	1.00	1.35	0.01	0.35
iPS.OX1.23	31.68	1.00	1.28	0.00	0.35
iPS.OX1.38	29.36	1.00	1.37	0.01	0.37
iPS.OX1.40	29.94	1.00	1.33	0.00	0.36
iPS.OX1.43	29.58	1.00	1.36	0.01	0.36
iPS.OX1.50	28.57	1.00	1.40	0.01	0.37

Flow cytometric analysis of pluripotency markers passage p14

Tra-1-60:



NANOG:



SNP analysis

Illumina Human OmniExpress v1.1/
CytoSNP-12v2.1 beadchip array

- Passage 22
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities: none detected

