



# Certificate of analysis

SFC831-03-05

Operator: Federica Rinaldi    Date: 07/08/2014

Supervisor signature: Sally Cowley Date:31.08.2014

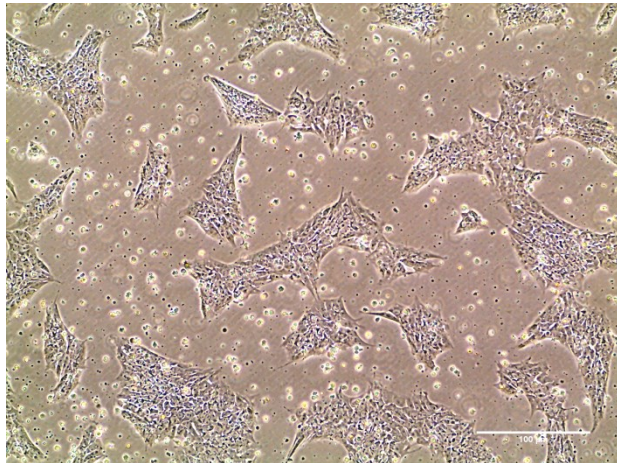
*SACowley*

# Source of fibroblasts and reprogramming information

- SF831 from UCL
- Reprogrammed at UOXF JMSCF (03/10/13 WH)
- Reprogrammed on 03/10/2013 at p.5
- Cytotune v1 WP3 SOP10

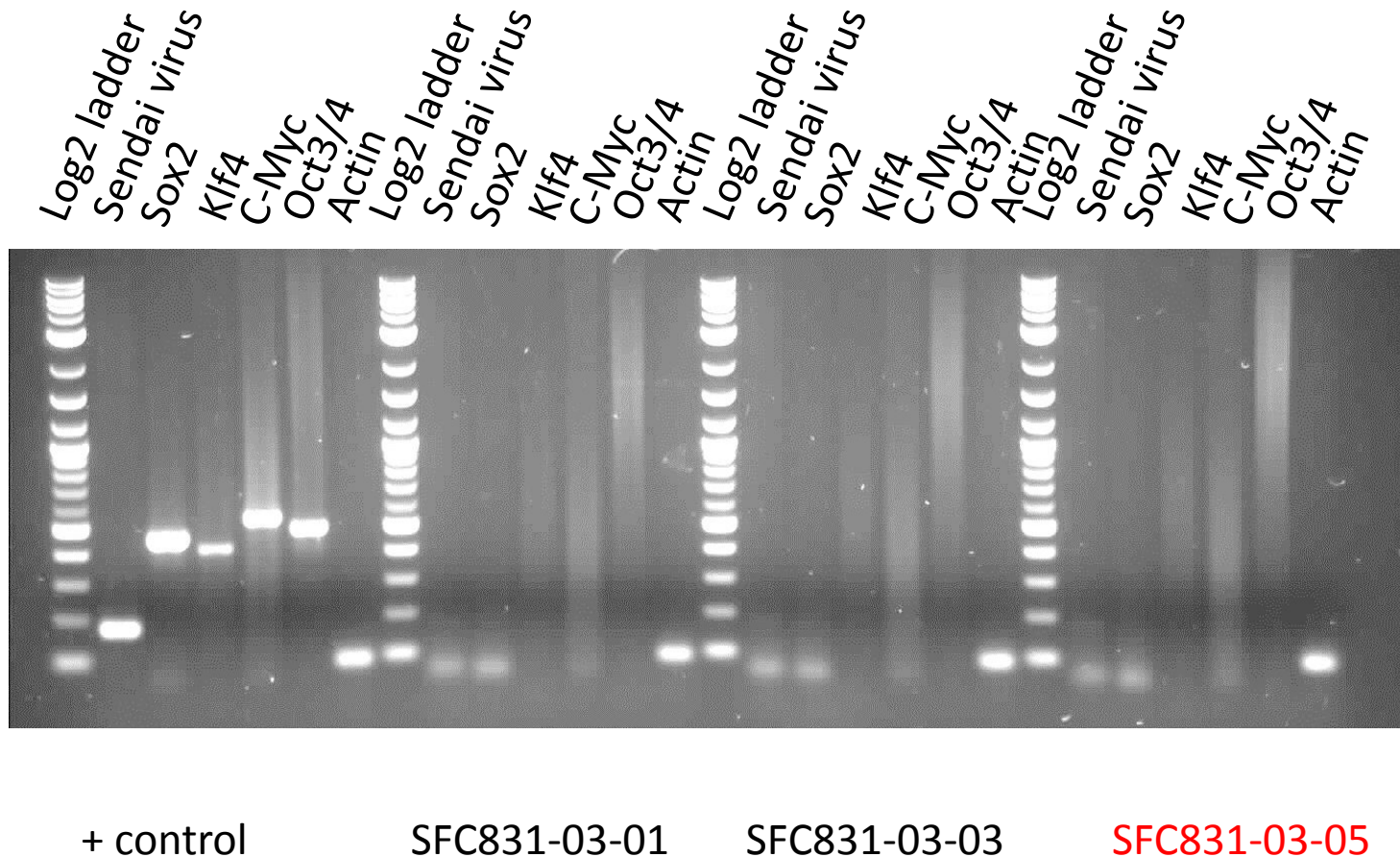
# Viability post-thaw and Morphology according to SOP19 [passage no.18]

- Cell count immediately post-thaw  $5.3 \times 10^5$
- Viability immediately post-thaw 97%
- Photo at 24h post-thaw:



Bar = 330um

# Sendai clearance: according to WP3 SOP15 undetectable at passage 18



Product sizes: SeV 181bp; SeV-Sox 451bp; SeV-Klf 410bp; SeV-Myc 532bp; SeV-Oct 483bp; Actin 92bp

# Mycoplasma test:

## According to MycoAlert Lonza LT07-318

### Undetectable at passage 18

Sample	Reading 1	Reading 2	Ratio / Status
+ve Control	7.803	344.1	<b>44.098</b>
-ve Control	13.21	1.575	<b>0.119</b>
1. SFC831-03.05	5.750	2.574	<b>0.448</b>

Results mean

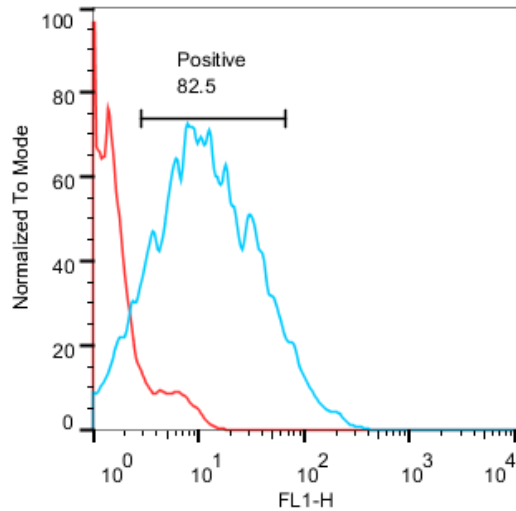
Ratio **0 - 0.999** negative for mycoplasma

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

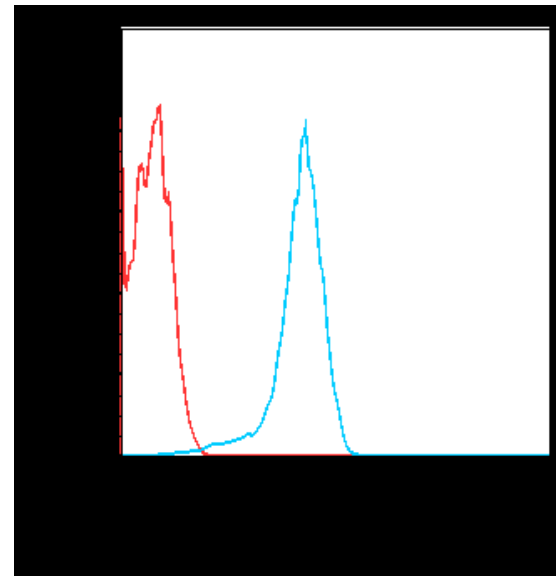
Ratio above **1.3** positive for mycoplasma

# Flow cytometric analysis according to WP3 SOP 20 and 21 passage 22

Tra-1-60: 82.5%



NANOG:



# SNP analysis

according to WP3 SOP Preparation of DNA and RNA samples for Illumina arrays

- Passage 18
- Identity to parent fibroblasts confirmed
- Karyotype abnormalities acceptable: 1 minor region Chr 4 higher CNV vs fibroblasts (clones 01 and 03 carry same abnormality)
- For details and raw data see StemDB