

**Supporting information Table S2. srRNA Generation of iPS Cells from Neonatal Human Fibroblasts**

	srRNA	Cell	Transfection Condition	Other Condition	Day of Passage	Number of AP+ Colonies	Day of AP Staining
Exp. 1	4F OKS-iM	BJ	1 µg srRNA	-	Day 10	9	Day 21
Exp. 1	4F OKS-iM	BJ	2 µg srRNA	-	Day 10	16	Day 21
Exp. 1	4F OKS-iG	BJ	1 µg srRNA	-	Day 10	14	Day 21
Exp. 1	4F OKS-iG	BJ	2 µg srRNA	-	Day 10	26	Day 21
Exp. 1	5F OKS-iGM	BJ	1 µg srRNA	-	Day 10	96	Day 21
Exp. 1	5F OKS-iGM	BJ	2 µg srRNA	-	Day 10	81	Day 21
Exp. 1	6F OKS-iGML	BJ	1 µg srRNA	-	Day 10	40	Day 21
Exp. 1	6F OKS-iGML	BJ	2 µg srRNA	-	Day 10	23	Day 21
Exp. 1	4F OKS-iM	BJ	1 µg srRNA	-	Day 10	11	Day 28
Exp. 1	4F OKS-iM	BJ	2 µg srRNA	-	Day 10	19	Day 28
Exp. 1	4F OKS-iG	BJ	1 µg srRNA	-	Day 10	29	Day 28
Exp. 1	4F OKS-iG	BJ	2 µg srRNA	-	Day 10	76	Day 28
Exp. 1	5F OKS-iGM	BJ	1 µg srRNA	-	Day 10	183	Day 28
Exp. 1	5F OKS-iGM	BJ	2 µg srRNA	-	Day 10	137	Day 28
Exp. 1	6F OKS-iGML	BJ	1 µg srRNA	-	Day 10	104	Day 28
Exp. 1	6F OKS-iGML	BJ	2 µg srRNA	-	Day 10	64	Day 28
Exp. 2	4F OKS-iM	BJ	1 µg srRNA	-	Day 10	13	Day 23
Exp. 2	4F OKS-iM	BJ	1 µg srRNA	-	Day 10	41	Day 23
Exp. 2	4F OKS-iG	BJ	1 µg srRNA	-	Day 10	69	Day 23
Exp. 2	4F OKS-iG	BJ	1 µg srRNA	-	Day 10	72	Day 23
Exp. 2	5F OKS-iGM	BJ	1 µg srRNA	-	Day 10	310	Day 23
Exp. 2	5F OKS-iGM	BJ	1 µg srRNA	-	Day 10	290	Day 23
Exp. 2	4F OKS-iM	BJ	1 µg srRNA	Passage 18	Day 10	5	Day 23
Exp. 2	4F OKS-iG	BJ	1 µg srRNA	Passage 18	Day 10	7	Day 23
Exp. 2	5F OKS-iGM	BJ	1 µg srRNA	Passage 18	Day 10	63	Day 23
Exp. 2	4F OKS-iM	HFF	1 µg srRNA	Passage 25	Day 10	8	Day 23
Exp. 2	4F OKS-iG	HFF	1 µg srRNA	Passage 25	Day 10	15	Day 23
Exp. 2	5F OKS-iGM	HFF	1 µg srRNA	Passage 25	Day 10	148	Day 23
Exp. 3	5F OKS-iGM	BJ	1 µg srRNA	-	Day 10	90	Day 21
Exp. 3	5F OKS-iGM	BJ	2 µg srRNA	-	Day 10	82	Day 21
Exp. 3	5F OKS-iGM	BJ	1 µg srRNA	Matrigel	Day 10	262	Day 21
Exp. 3	5F OKS-iGM	BJ	2 µg srRNA	Matrigel	Day 10	167	Day 21
Exp. 3	5F OKS-iGM	BJ	1 µg srRNA	Laminin	Day 10	350	Day 21
Exp. 3	5F OKS-iGM	BJ	2 µg srRNA	Laminin	Day 10	206	Day 21
Exp. 4	5F OKS-iGM	BJ	1 µg srRNA	-	Day 10	108	Day 21
Exp. 4	5F OKS-iGM	BJ	1 µg srRNA	-	Day 10	178	Day 28
Exp. 4	5F OKS-iGM	BJ	1 µg srRNA	Zeb, 60 µM	Day 10	251	Day 21
Exp. 4	5F OKS-iGM	BJ	1 µg srRNA	Zeb, 60 µM	Day 10	313	Day 28
Exp. 4	5F OKS-iGM	BJ	1 µg srRNA	Zeb, 100 µM	Day 10	162	Day 21
Exp. 4	5F OKS-iGM	BJ	1 µg srRNA	Zeb, 100 µM	Day 10	223	Day 28

Cells were passaged on 6-well plate on day 0 and cultured to 80-100% confluency on day 1. To minimize the IFN responses, cells were treated with 20 % B18R-CM 20 min before the transfection. The srRNA was transfected with Lipofectamine 2000 in the presence of 20% B18R-CM (No B18R mRNA co-transfection). Medium was changed to the Advanced DMEM containing 20% B18R-CM after 3hr transfection. ES culture medium was used from day 7. Cells were passaged on feeder cells as indicated day except for Exp.2 (feeder free condition). Zebulaline (Zeb) was treated from day 2 to day 10. Passage 8 to 10 of BJ cells was used. Colonies were stained with Alkaline Phosphatase (AP) and the numbers of AP positive colonies per starting well were indicated.