

Table S2

CHGA	neg	pos	neg	neg
NKX6-1	pos	+/-	neg	neg
PDX1	+/-	+/-	pos	neg

Bank	Expt. _{γ κ}	Analysis _χ	PE	Endocrine	PDX1-only	Residual	Karyotype _λ
RCB-D	1	1	33.8	55.7	9.4	1.1	46,XY
		^δ 2	37.5	53.7	8.0	0.8	
	2	3	23.0	65.0	10.5	1.5	46,XY
	3	4	29.9	54.2	13.9	2.0	46,XY
	4	5	33.0	52.5	11.6	2.9	NR ^α
		^δ 6	35.6	46.7	15.4	2.3	
	5	7	22.0	60.2	16.1	1.7	
	6	^δ 8	30.7	42.0	22.0	5.3	46,XY
	7	9	27.6	42.3	25.5	4.6	46,XY
	8	10	22.6	64.5	11.1	1.8	46,XY
		11	25.9	60.9	10.3	2.9	
		12	30.8	59.1	8.0	2.1	
		13	27.9	59.2	10.4	2.5	
	9	14	23.4	61.8	12.4	2.4	46,XY ^ψ
	10	15	26.8	53.2	18.0	2.0	46,XY
	11	16	33.5	42.0	22.2	2.3	46,XY
	12	17	19.6	59.5	17.0	3.9	46,XY
	13 ^ζ	18	23.3	62.5	12.2	2.0	46,XY
	14	19	21.5	55.0	20.3	3.2	46,XY

mean	27.8	55.3	14.4	2.5
median	27.6	55.7	12.4	2.3
min	19.6	42.0	8.0	0.8
max	37.5	65.0	25.5	5.3
n=19				

MCB3	15	20	33.6	56.6	8.6	1.1	46,XY
		21	30.2	59.5	9.1	1.2	
	16	22	26.3	61.6	10.8	1.3	46,XY
		23	35.0	54.9	8.7	1.4	
	17	24	27.2	60.7	11.0	1.0	46,XY
		25	33.0	54.7	11.2	1.2	

mean	30.9	58.0	9.9	1.2
median	31.6	58.1	10.0	1.2
min	26.3	54.7	8.6	1.0
max	35.0	61.6	11.2	1.4
n=6				

MCB4	18 ^η	26	33.6	50.6	15.4	0.3	46,XY
		27	32.1	50.1	16.8	1.0	
	19 ^η	28	29.5	53.2	16.1	1.2	46,XY
		29	29.8	52.0	17.1	1.0	
	20 ^η	30	34.6	50.9	14.0	0.6	46,XY
		31	36.5	46.4	16.2	0.9	
	21 ^{ηζ}	32	40.7	44.5	14.2	0.6	46,XY

mean	33.9	49.7	15.7	0.8
median	33.6	50.6	16.1	0.9
min	29.5	44.5	14.0	0.3
max	40.7	53.2	17.1	1.2
n=7				

MCB5	22	33	35.3	47.7	16.0	1.0	46,XY [¶]
	23	34	33.6	48.7	16.1	1.6	46,XY
	24	35	32.6	50.5	15.9	1.0	46,XY

mean	33.8	49.0	16.0	1.2
median	33.6	48.7	16.0	1.0
min	32.6	47.7	15.9	1.0
max	35.3	50.5	16.1	1.6
n=3				

RCB-Dw	25 [¶]	36	35.9	54.4	8.3	1.4	46,XY [¶]
		37	21.3	49.6	27.2	1.9	
	26 [¶]	38	22.2	58.1	17.3	2.4	46,XY
	27 [¶]	39	32.4	51.7	14.7	1.2	46,XY
	28 [¶]	[¶] 40	41.2	51.3	6.6	1.0	46,XY
	29 [¶]	41	15.6	51.4	31.7	1.3	46,XY
	30 [¶]	42	37.7	42.1	19.4	0.8	46,XY
	31 [‡]	43	47.1	39.9	11.9	1.1	46,XY ^β
	32	44	26.5	51.9	19.8	1.8	46,XY
	33	45	24.3	54.2	18.6	2.9	46,XY
	34	46	31.4	50.6	16.1	1.9	46,XY

mean	30.5	50.5	17.4	1.6
median	31.4	51.4	17.3	1.4
min	15.6	39.9	6.6	0.8
max	47.1	58.1	31.7	2.9
n=11				

WCB4B	35 ^{¶‡}	47	36.6	41.6	16.5	5.3	46,XY
	36 ^{¶‡}	48	31.3	57.7	9.7	1.3	46,XY
	37 ^{¶‡}	49	35.2	48.2	13.5	3.1	46,XY

mean	34.4	49.2	13.2	3.2
median	35.2	48.2	13.5	3.1
min	31.3	41.6	9.7	1.3
max	36.6	57.7	16.5	5.3
n=3				

Total	mean	30.4	53.0	14.7	1.9
	median	31.3	53.2	14.7	1.5
	min	15.6	39.9	6.6	0.3
	max	47.1	65.0	31.7	5.3
	SD	6.3	6.4	5.2	1.1
	n=37	n=49			

[¶]Each expt. represents a single thaw and expansion from designated CyT49 bank

^{*}Transplanted to EFP of SCID/Bg mice, unless indicated

[‡]Differentiation run that was not transplanted in this analysis

[‡]Independent cytometry analyses

^βPerformed at d16

[¶]Processes selected for the 13C group analysis, n=17 analyses

^λ20 nuclei examined per analyses. Performed after culture expansion for scaled differentiation

^αNR: no result, technical failure of analysis

[¶]30 nuclei examined

^βAnalysis performed 7 passages after thaw