Fig. S1

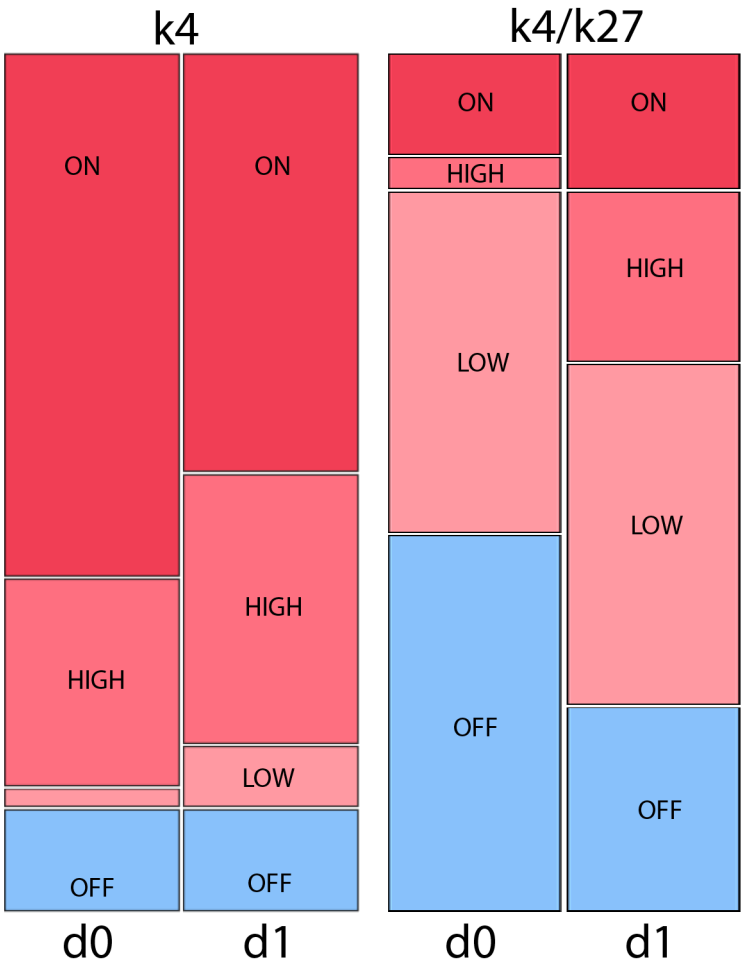

Table S1 Single-cell Transcript Analysis of Human ESCs

Gene	TaqMan® Assay ID
ACTB	Hs99999903_m1
AFP	Hs00173490_m1
CDX2	Hs01078080_m1
CGA	Hs00174938_m1
EOMES	Hs01015629_m1
FGFR1	Hs00241111_m1
FOXA2	Hs00232764_m1
GAPDH	Hs99999905_m1
GATA4	Hs01034629_m1
GATA6	Hs00232018_m1
HAND1	Hs00231848_m1
KDR	Hs00911700_m1
LEFTY2	Hs00745761_s1
LHX1	Hs00232144_m1
MIXL1	Hs00430824_g1
NANOG	Hs02387400_g1
POU5F1	Hs00999632_g1
SOX1	Hs01057642_s1
SOX2	Hs01053049_s1
T	Hs00610080_m1
TBX6	HS00365539_m1

Table S2 Single-cell Transcript Analysis of Human ESCs

Gene Correlation	Cell Types	References
POSITIVE		
HAND1 / AFP	E / ExE	Peiffer 2007
KDR / AFP	ME / ExE	**NOVEL**
POU5F1 / NANOG	P / P	Boyer 2005, Kim 2008, Kuroda 2005
POU5F1 / SOX2	P / P	Card 2008, Li 2007, Boyer 2005, Kim 2008, Kuroda 2005
KDR / HAND1	ME / E	**NOVEL**
CDX2 / AFP	ExE / ExE	Hyslop 2005
HAND1 / GATA6	E / E	Niu 2008
T / EOMES	M / ME	Izumi 2007
SOX2 / NANOG	P / P	Boyer 2005, Kim 2008, Kuroda 2005
GATA6 / GATA4	E / E	Fujikura 2002, Zhang 2007, Xin 2006
LHX1 / FOXA2	ME / E	Perea-Gómez 1999, Foucher 2003
MIXL1 / EOMES	ME / ME	Izumi 2007
HAND1 / CDX2	E / ExE	Coucouvanis 1999, Peiffer 2007, Hough 2006
T / MIXL1	M / ME	Izumi 2007
SOX2 / LEFTY2	P / P	Westfall 2008
POU5F1 / LEFTY2	P / P	Westfall 2008
MIXL1 / LHX1	ME / ME	**NOVEL**
LEFTY2 / FOXA2	P / E	Merrill 2004
LHX1 / EOMES	ME / ME	**NOVEL**
LHX1 / LEFTY2	ME / P	Tsang 1999
GATA4 / FOXA2	E / E	Matsuura 2006, Denson 2000
HAND1 / GATA4	E / E	Nagao 2008
TBX6 / EOMES	ME / ME	Yi 1999
NEGATIVE		
SOX2 / GATA4	P / E	Murakami 2004
LHX1 / KDR	ME / ME	**NOVEL**
POU5F1 / KDR	P / ME	Nelson 2008
LEFTY2 / KDR	P / ME	**NOVEL**
SOX2 / CDX2	P / ExE	Sherwood 2009, Chickarmane 2008
NANOG / CDX2	P / ExE	Ralston 2008, Yasuda 2006, Hyslop 2005, Strumpf 2005
MIXL1 / KDR	ME / ME	Lim 2008
LHX1 / AFP	ME / ExE	**NOVEL**
POU5F1 / CDX2	P / ExE	Hough 2006, Ralston 2008, Babaie 2007
NANOG / GATA6	P / E	Hough 2006, Chickarmane 2008, Singh 2007
POU5F1 / GATA6	P / E	Babaie 2007
MIXL1 / HAND1	ME / E	**NOVEL**
NANOG / AFP	P / ExE	Hyslop 2005
SOX2 / GATA6	P / E	Kobayashi 2008
LEFTY2 / HAND1	P / E	**NOVEL**
LEFTY2 / AFP	P / ExE	**NOVEL**
SOX2 / AFP	P / ExE	**NOVEL**
MIXL1 / AFP	ME / ExE	**NOVEL**
NANOG / HAND1	P / E	Degrelle 2005
SOX2 / HAND1	P / E	**NOVEL**
POU5F1 / AFP	P / ExE	Bettiol 2007, Chen 2006
POU5F1 / HAND1	P / E	Hough 2006, Takada 2005

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