SUPPLEMENTARY DATA

Supplementary Table 1. Primary antisera employed in the human G1/S atlas.

Protein/ Antibody	Immunohistochemistry			Immunoblot		
	Company	**Cat#**	**dilution**	**Company**	**Cat#**	**dilution**
Ki67	Neomarker	RM-9106-S	1:100			
Rb	Neomarker	RB-1441-P	1:50	Pharmingem	554136	1:1000
p107	Santa Cruz	sc-318	1:50	Santa Cruz	sc-318	1:1000
p130	Neomarker	MS-866-P1	1:50	Neomarker	866p912b	1:1000
Cyclin D1	Cell Signaling	DCS6	1:100	Cell Signaling	DCS6	1:1000
Cyclin D2	Abcam	Ab-3085	1:100	Abcam	Ab-3085	1:1000
	Sigma	C7339, WH0000894M1	1:2000	Sigma	C7339, WH0000894 M1	1:2000
Cyclin D3	Abcam	DCS22	1:100	Abcam	DCS22	1:1000
Cdk4	Santa Cruz	sc-260	1:100	Santa Cruz	sc-260	1:1000
Cdk6	Abcam	Ab-3126	1:100	Abcam	Ab-3126	1:1000
	Santa Cruz	sc-177	1:100			
Cyclin A2	Santa Cruz	sc-596	1:50	Sigma	c-4710	1:1000
Cyclin E1	Santa-Cruz	sc-247	1:50	Santa Cruz	sc-247	1:1000
Cdk1	Santa Cruz	sc-747	1:50	Cell Signaling	9112	1:1000
Cdk2	Santa Cruz	sc-163	1:50	Santa Cruz	Sc-163	1:1000
p15	Neomarker	MS-1053-P1	1:100	Santa Cruz	Sc-613	1:500
p16	Santa Cruz	sc-468	1:100	Pharmingem	51-1325gr	1:500
p18	Santa Cruz	sc-1064	1:100	Abcam	3216-500	1:500
p19	Santa Cruz	sc-1063	1:50	invitrogen	378700	1:500
p21	BD Pharmingen	556431	1:100	Pharmingem	556431	1:1000
p27	Cell Signaling	2552	1:100	Cell Signaling	2552	1:1000
	Neomarker	DCS-72.F6	1:100			
p57	GeneTex	GTX23223	1:100	GeneTex	GTX23223	1:1000
E2F1	Santa Cruz	sc-193	1:50	Calbiochem	Calbio-NA49	1:1000
E2F2	Santa cruz	sc-632	1:50	Bioworld	K236	1:1000
E2F3	Santa cruz	sc-878	1:50	Abcam	Ab-54945	1:1000
E2F4	Santa Cruz	sc-1082	1:50	Santa Cruz	Sc-1082	1:500
E2F5	Santa Cruz	sc-999	1:50	Santa Cruz	sc-999	1:500
E2F6	Santa Cruz	sc-22823	1:50	Santa Cruz	sc-22823	1:500
E2F7	Santa Cruz	sc-66870	1:50	Santa Cruz	sc-66870	1:500
E2F8	Santa Cruz	sc-130313	1:50	Santa Cruz	sc-130313	1:500
Nucleolin	Santa Cruz	Sc-17826	1:100			
Hsp-90				Santa cruz	Sc-33755	1:2000
H3				Cell Signaling	9715	1:2000
RNA pol				millipore	05623	1:2000
Tubulin				calbiochem	Cp-06	1:2000

SUPPLEMENTARY DATA

Supplementary Figure 1. Subcellular Localization of Cdk6, p16, p21, p27 and p57 in Human Alpha, Beta and Delta cells. Left Panel. Five different human cadaveric islet preparations were immunolabeled for insulin, glucagon ("Gluc") somatostatin ("SSt") and the G1/S molecules above, as well as DAPI to highlight the nuclei. The color code for the various molecules is shown in the Figure. Antisera were as shown in Supplemental Table 1 with the exception of the primary antisera for glucagon and somatostatin which were catalogue numbers 2760 and sc-20999 from Cell Signaling (Danvers, MA) and Santa Cruz (Dallas, TX), respectively. Right Panel. The percentage of nuclei that contained the five G1/S molecules in the nuclei of glucagon+ or somatostatin+ cells. For each bar, 180-200 alpha or delta cells were counted from a total of five different human islet preparations. Cdk6 and p16 were readily detected in both alpha and delta cells, and were principally in the cytoplasmic compartment. p27 was not seen in delta cells, but was readily apparent in alpha cells, and was cytoplasmic. p21 and p57 were not observed in somatostatin+ or glucagon+ cells, although they could be readily seen in insulin+ cells (left panel).