

Supplemental Table 1

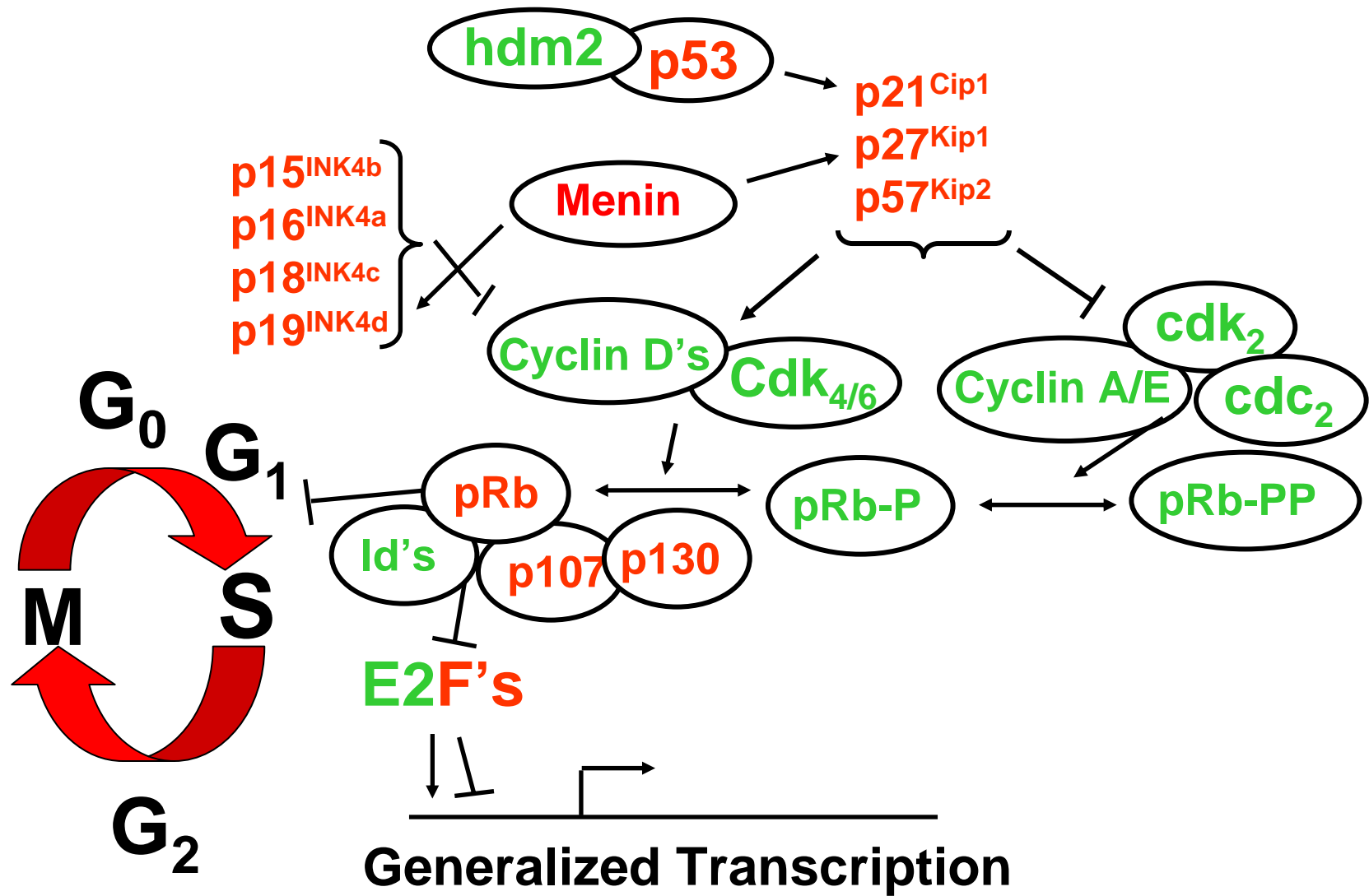
Primary Antisera Employed in the Human G1/S Proteome Analysis

Protein/ Antibody	protein size	IB Company/cat # /dilution	ICC Company/cat # /dilution
cdk1	34	Cell Sig/9112/1:1000	
cdk2	34	Santa Cruz/sc-163/1:500	
cdk4	34	Santa Cruz/sc-749/1:1000	Abcam/3112/1:50
		Abcam/3112/1:1000	
		Santa-Cruz/sc-260G/1:1000	
cdk6	40	Santa Cruz/sc 177/1:1000	Abcam/3126/1:50
		Abcam/3126/1:500	
		Sigma/c-8343/1:500	
c-myc	50	Santa Cruz/sc-764/1:500	
cyclin D1	36	Santa cruz/sc718/1:1000	
cyclin D2	34	Neomarkers/ms-221/1:500	
cyclin D3	35	Abcam/28283/1:500	
cyclin A	60	Sigma/c-4710/1:500	
cyclin E		Santa Cruz/sc-247/1:1000	
p15	15	Neomarkers/ab-3/1:500	
p16	16	Santa Cruz/sc1661/1:1000	
p18	18	Santa Cruz/sc-1064/1:500	
p19	19	Santa Cruz/sc-1064/1:500	
p21	21	Santa Cruz/sc-6246/1:500	
p27	27	Pharmingen/554069/1:2000	
p53	53	Biomeda/v1003/1:200	
p57	57	Genetex/1:250	
mdm2		Calbiochem/op115/1:500	
Rb	115	Pharmingen/1:500	
p107	107	Santa Cruz/sc-318/1:1000	
p130	130	Pharmingen/1:500	
E2F1	75	Calbiochem/NA49/1:200	
E2F2	55	Santa Cruz/sc-9967/1:250	
E2F4	60	Santa Cruz/sc-1062/1:1000	
E2F6	35	Santa Cruz /sc-8366/1:200	
ld1	15	Santa Cruz/sc-488/1:250	
ld2		Santa Cruz/sc-489/1:200	
ld3		Santa Cruz/sc-490/1:200	
ld4		Santa Cruz/sc-491/1:200	
Menin		Santa Cruz/1:500	
Cleaved caspase-3	17	Cell Signaling/ASP175/1:1000	
Brdu			Abcam/6326 / 1:200
Insulin			Zymed/0067/1:200
Actin		Sigma/1:2000	
Tubulin		Calbiochem/cp06/1:2000	

Supplemental Figure Legends

Supplemental Figure 1. A schematic description of the human “G1/S proteome”. Molecules shown in green are cell cycle activators and those in red are inhibitors. See text for details.

Supplemental Figure 2. Co-staining for BrdU, somatostatin, and glucagon in the islets from Panel A. The majority of proliferating cells are insulin-positive cells. Few alpha or delta cells are BrdU+. The remaining BrdU+ cells are likely ductal, endothelial, acinar cells or fibroblasts, as would be expected when using an adenovirus with a generalized promoter, such as the CMV promoter.

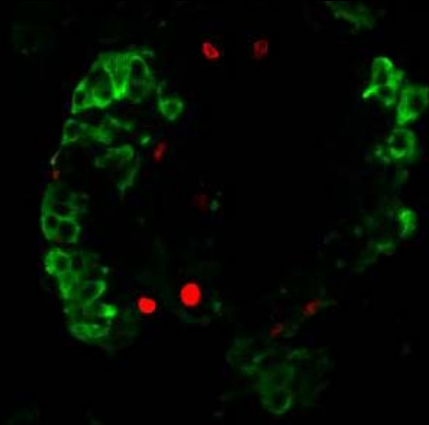


Supplemental Figure 1

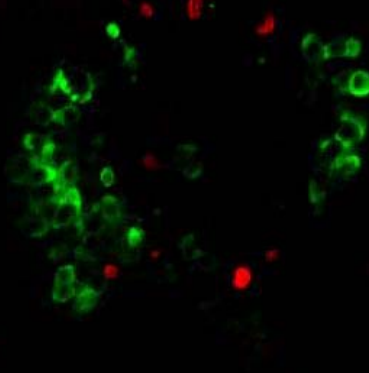
Supplemental Figure 2

Ad.LZ

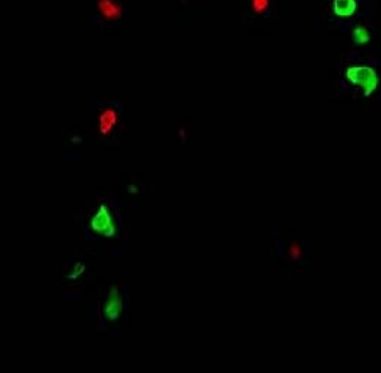
Insulin / BrdU



Glucagon / BrdU

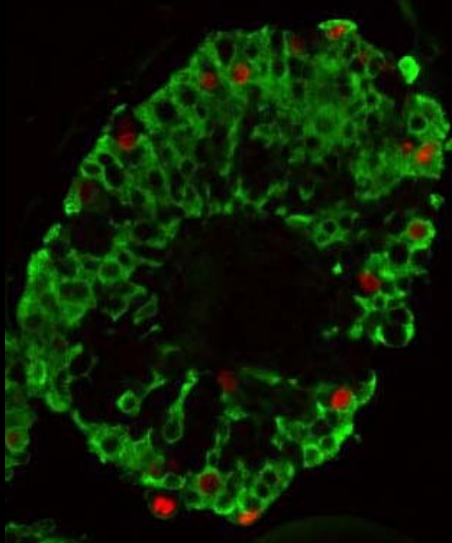


Somatostatin / BrdU

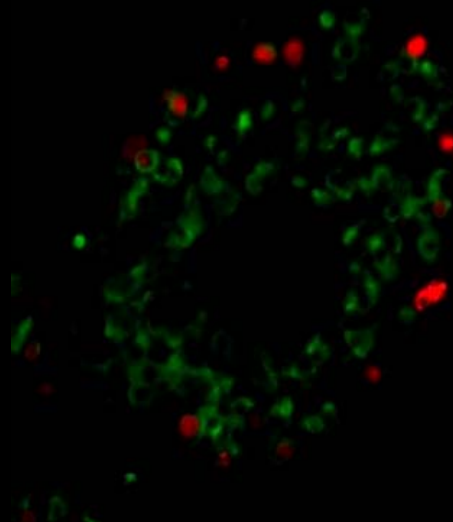


Ad.cdk6 + D₁

Insulin / BrdU



Glucagon / BrdU



Somatostatin / BrdU

