

genotype	blood glucose	Ins+Ki67+	Ins+	% Ki67+ Ins+ cells	slides counted
after ablation, sacrificed at 15 months					
wild type	118	53	7908	0.67	2
wild type	104	33	15904	0.21	2
wild type	123	42	6391	0.66	2
βDTA	148	106	2396	4.42	2
βDTA	116	45	2234	2.01	2
βDTA	141	138	6542	2.11	2
βDTA	133	88	5354	1.64	2
βDTA	147	55	5523	1.00	2
after ablation, sacrificed at 17 months					
wild type	131	23	5174	0.44	2
wild type	105	49	10633	0.46	1
wild type	120	8	2580	0.31	2
βDTA	148	59	932	6.33	2
βDTA	146	40	1621	2.47	2
βDTA	162	119	3419	3.48	2
βDTA	199	251	4974	5.05	2
after ablation, sacrificed at 21.5 months, males					
wild type	134	6	5021	0.12	3
wild type	127	7	7894	0.09	3
wild type	113	9	8219	0.11	3
wild type	119	5	6825	0.07	3
wild type	128	10	5812	0.17	3
wild type	105	26	10830	0.24	1
wild type	117	15	8184	0.18	2
wild type	135	21	14337	0.15	2
wild type	136	16	9640	0.17	2
βDTA	160	27	7117	0.38	3
βDTA	142	8	1781	0.45	3
βDTA	124	40	8345	0.48	3
after ablation, sacrificed at 25.5 months, females					
wild type	75	13	4796	0.27	3
wild type	115	23	9806	0.23	3
wild type	73	56	16826	0.33	2
βDTA	143	66	4051	1.63	3
βDTA	158	32	3284	0.97	3
βDTA	125	37	2385	1.55	3
βDTA	99	30	2512	1.19	3
βDTA	148	43	3216	1.34	2

**Supplemental Table 1: information on the individual mice scored for beta cell replication rate in Figure 2. Glucose was measured at sacrifice (no fasting).**