

Table 1. Non-fasting glucose levels during HFD before and after reversal to standard 17% fat chow diets. Values are shown for the day of sacrifice, the day of diet reversal, and the last days of the study 2 and 3 weeks later. For the 9, 18, and 28 day groups some animals were sacrificed at the diet reversal times, and some were sacrificed 2-3 weeks later for imaging studies. Data are shown as mean +/- SE; n = 4 for all subgroups. In all instances the 2 and 3 week post-diet reversal glucose levels are significantly less than the paired reversal day data (p<0.05-0.001). The 2 and 3 week post-diet reversal levels for the Day 9 group are significantly less than the corresponding data for Day 18 and Day 28 post-reversal data (p<0.001).

	Sacrifice	Reversal Day	Week After Reversal	
			2 wk	3 wk
GROUP A: Pilot Study				
Day 1		168 +/- 5	129 +/- 6	139 +/- 5
Day 2		163 +/- 11	123 +/- 7	140 +/- 6
Day 4		229 +/- 49	126 +/- 9	115 +/- 6
Day 7		381 +/- 41	159 +/- 7	155 +/- 14
Day 9		516 +/- 46	194 +/- 61	152 +/- 16
Group B: 9 Day Study				
Day 9	387 +/- 23	348 +/- 30	158 +/- 5	126 +/- 3
Standard 17% Chow Controls		161 +/- 7	150 +/- 6	158 +/- 7
HFD Controls		370 +/- 47	519 +/- 15	563 +/- 20
Group C: 18 Day Study				
Day 18	533 +/- 46	509 +/- 21	197 +/- 46	215 +/- 21
Standard 17% Chow Controls		165 +/- 6	155 +/- 6	162 +/- 5
HFD Controls		518 +/- 18	541 +/- 18	529 +/- 18
Group D: 28 Day Study				
Day 28	576 +/- 49	463 +/- 31	307 +/- 47	
Standard 17% Chow Controls		158 +/- 18	170 +/- 10	
HFD Controls		563 +/- 20	547 +/- 49	