

Supplementary Table. S1

	Body Weight	Body Weight	Weight Gain	Fasting Insulin	HOMA-IR	Fasting glucose	T-Chol	TG	HDL-C	LDL	Viscera	Latency (s)	Thigmotaxis time (%)					Floating Time (%)					Time in Target Quadrants (%)					Platform Crosses					Annulus Crossing Index					Mean Distance to goal (m)									
	(6 wks)	(17wks)	(%)	(uIU/ml)		mM	(mg/dL)	(mg/dL)	(mg/dL)	I Fat (g)		Day 1	Day 2	Day 3	Day 4	Probe Test	Day 1	Day 2	Day 3	Day 4	Probe Test	Day 1	Day 2	Day 3	Day 4	Probe Test	Day 1	Day 2	Day 3	Day 4	Probe Test	Day 1	Day 2	Day 3	Day 4	Probe Test	Day 1	Day 2	Day 3	Day 4	Probe Test						
Body Weight (6 weeks)	1	0.888***	0.172	0.584***	0.638***	0.203	-0.168	-0.015	0.625***	-0.649***	0.372**	0.136	-0.136	-0.042	0.003	-0.025	0.024	-0.018	0.144	0.272	0.270	0.159	-0.006	0.033	-0.017	0.095	0.179	-0.137	-0.122	-0.249	0.229	-0.083	0.184	0.075	-0.180	0.000	-0.235	0.115	-0.036	-0.171	0.085	-0.083	0.084	0.124	0.293*	-0.139	
Body Weight (17 weeks)	1	0.888***	1	0.605***	0.654***	0.796***	0.370**	-0.093	0.612***	-0.590***	0.446**	0.132	-0.092	0.075	0.029	0.076	0.137	0.113	0.263	0.291*	0.211	0.046	-0.052	0.062	0.054	0.188	0.075	-0.224	-0.162	-0.243	0.160	-0.109	0.130	0.002	-0.193	-0.120	-0.192	0.067	-0.118	-0.199	-0.027	0.007	0.217	0.218	0.345**	-0.067	
Weight Gain (%)	0.172	0.605***	1	0.371**	0.584***	0.440**	0.104	-0.216	0.236	-0.144	0.322*	0.056	0.027	0.232	0.063	0.211	0.256	0.290*	0.163	0.010	-0.157	-0.103	0.086	0.162	0.258	-0.164	-0.245	-0.137	-0.085	-0.054	-0.092	-0.028	-0.122	-0.100	-0.265	-0.009	-0.042	-0.188	-0.133	-0.213	0.172	0.324*	0.268	0.234	0.106		
Fasting Insulin (uIU/ml)	0.584***	0.654***	0.371**	1	0.821***	-0.095	-0.300*	-0.021	0.274	-0.336*	0.042	0.021	0.095	0.023	-0.076	0.017	0.106	0.085	0.002	0.046	0.001	-0.115	-0.134	-0.224	-0.128	-0.077	0.136	-0.361*	-0.135	-0.057	-0.070	-0.020	0.094	-0.187	0.023	-0.133	-0.035	-0.051	-0.173	-0.004	-0.014	0.301*	0.080	0.135	-0.002		
HOMA-IR	0.638***	0.796***	0.584***	0.821***	1	0.468**	-0.157	-0.100	0.363*	-0.365*	0.288*	0.064	0.132	0.148	0.010	0.150	0.157	0.195	0.255	0.240	0.133	-0.089	0.005	0.006	0.076	0.177	-0.024	-0.355*	-0.121	-0.329*	-0.055	-0.160	-0.034	-0.051	-0.136	-0.212	-0.083	-0.131	-0.052	-0.051	-0.173	-0.004	-0.014	0.301*	0.080	0.135	-0.002
Fasting glucose mM	0.203	0.370**	0.440**	-0.095	0.468***	1	0.139	1	-0.021	0.233	0.025	-0.058	0.117	0.242	0.191	0.195	-0.116	-0.014	0.097	0.206	0.048	0.061	0.096	0.111	0.278*	0.214	0.202	-0.164	-0.188	-0.056	0.167	-0.114	-0.115	-0.387**	-0.160	-0.163	-0.005	-0.004	-0.201	-0.030	-0.161	0.048	0.123	0.182	0.181	-0.013	0.145
T-ChOL (mg/dL)	-0.168	-0.093	0.104	-0.300*	-0.157	0.139	1	-0.021	0.233	0.025	-0.058	0.117	0.242	0.191	0.195	-0.116	-0.014	0.097	0.206	0.048	0.061	0.096	0.111	0.278*	0.214	0.202	-0.164	-0.188	-0.056	0.167	-0.114	-0.115	-0.387**	-0.160	-0.163	-0.005	-0.004	-0.201	-0.030	-0.161	0.048	0.123	0.182	0.181	-0.013	0.145	
TG (mg/dL)	-0.015	-0.109	-0.216	-0.021	-0.100	-0.209	-0.021	1	0.020	-0.311*	-0.131	-0.130	0.066	-0.069	-0.077	-0.206	0.018	-0.011	-0.022	-0.210	-0.028	-0.015	-0.161	-0.240	-0.125	-0.125	-0.328*	-0.162	-0.163	-0.026	0.104	-0.013	0.005	0.214	-0.105	-0.105	-0.059	-0.040									
HDL-C (mg/dL)	0.625***	0.612**	0.236	0.274	0.363*	0.121	0.233	0.020	1	-0.926***	-0.003	0.189	-0.054	-0.065	-0.070	0.053	0.169	0.094	0.123	0.088	-0.074	-0.045	0.012	0.158	-0.102	0.037	0.024	0.347*	-0.113	0.034	0.079	-0.192	0.223	-0.205	-0.018	0.042	-0.118	0.317*	-0.106	0.091	0.036	-0.252					
LDL (mg/dL)	-0.649***	-0.590***	-0.144	-0.336*	-0.365*	-0.024	0.025	-0.311*	-0.926***	1	0.026	-0.118	0.094	0.130	0.139	0.281*	0.070	-0.025	-0.108	-0.020	-0.097	-0.058	0.104	0.158	0.156	0.074	-0.221	0.139	-0.003	-0.073	0.079	-0.303*	0.173	-0.078	0.012	-0.022	0.294*	-0.051	0.122	0.182	-0.013	0.145					
Visceral Fat (g)	0.372**	0.446**	0.322*	0.042	0.288*	0.403**	-0.058	-0.131	-0.003	0.026	1	0.122	0.005	0.357*	0.428**	0.431**	0.129	0.265	0.48*	0.553***	0.441**	0.457**	-0.284*	-0.134	-0.088	0.071	-0.369*	-0.244	-0.401**	-0.103	0.137	-0.384**	-0.275*	-0.359*	0.216	0.229	0.449*	0.521***	0.320*								
Latency (s)																																															
Day 1	0.136	0.132	0.056	0.021	0.064	0.033	0.117	-0.130	0.189	-0.118	0.122	1	0.398**	0.389**	0.218	0.066	0.540***	0.451**	0.485***	0.401**	0.404**	0.271	0.390**	0.192	0.303*	0.332*	-0.479**	-0.256	-0.412*	-0.105	-0.252	-0.882**	-0.274	-0.341*	-0.278*	-0.062	-0.800***	-0.092	-0.352*	-0.216	0.019	0.617***	0.453*	0.574**	0.344*	0.380*	
Day 2	-0.136	-0.092	0.027	0.095	0.132	0.050	0.242	0.066	-0.054	0.094	0.005	0.398**	1	0.313*	0.332*	0.131	0.374**	0.568***	0.254	0.256	0.058	0.521***	0.344*	0.363*	0.313*	0.328*	-0.393**	-0.720***	-0.334*	-0.247	-0.108	-0.288*	-0.698***	-0.217	-0.218	-0.104	0.460**	0.599***	0.313*	0.222	0.423*						
Day 3	-0.042	0.075	0.232	0.023	0.148	0.246	0.191	-0.069	-0.065	0.130	0.357*																																				