

Supplementary Table 1: Physiological Measurements on Individual Animals

Rat ID	Strain	Diet	Age (wks)	Blood glucose (mg/dL)	HbA1c %	Body wt (g)	Liver wt (g)	Abdominal fat (g)
DD101	WKY	N	4	155	4	86.6	3.89	0.16
DD102	WKY	N	4	135	4.1	94.5	5.01	0.34
DD103	WKY	N	4	131	< 4	88.1	3.39	0.2
DD104	WKY	N	4	135	4.4	118.4	6.07	0.48
DD105	WKY	N	4	148	4.5	83.2	3.87	0.14
DD106	WKY	N	4	131	4.1	82.9	3.92	0.28
DD81	GK	N	4	209	4.7	106.1	4.92	0.49
DD82	GK	N	4	227	4.6	113.8	5.73	0.58
DD83	GK	N	4	193	4.7	92.3	4.45	0.31
DD84	GK	N	4	209	4.6	108.2	5.24	0.33
DD85	GK	N	4	197	4.5	92.2	4.21	0.23
DD86	GK	N	4	204	4.6	112.5	5.04	0.6
DD107	WKY	N	8	171	< 4	315.9	14.96	2.85
DD108	WKY	N	8	150	4.1	326.2	15.72	3.88
DD61	WKY	N	8	154	NA	258	11.62	1.32
DD62	WKY	N	8	150	4.4	284.1	12.79	3.34
DD63	WKY	N	8	194	4.6	292.2	13.35	2.11
DD64	WKY	N	8	148	4.5	314.2	14.35	2.13
DD41	GK	N	8	339	5.7	257.7	13.41	2.63
DD42	GK	N	8	235	5.6	244.5	11.63	2.38
DD43	GK	N	8	293	5.7	257.1	12.69	2.37
DD44	GK	N	8	249	5.5	264.8	13.1	2.64
DD87	GK	N	8	263	5.6	248	12.26	2.76
DD88	GK	N	8	234	7	264.4	13.97	3.64
DD109	WKY	N	12	144	5	493.2	21.83	7.15
DD110	WKY	N	12	136	5.3	451.2	15.64	7.84
DD21	WKY	N	12	174	5.2	465.4	20.27	7.53
DD22	WKY	N	12	150	5.4	355.1	11.64	4.56
DD23	WKY	N	12	143	5.8	486.1	17.34	12.52
DD24	WKY	N	12	157	5.1	425.3	15.07	6.53
DD1	GK	N	12	> 600	10.4	320.4	14.82	3.99
DD2	GK	N	12	> 600	11.8	301	13.91	4
DD3	GK	N	12	445	8.8	305.9	13.6	4.73
DD4	GK	N	12	403	7.6	337.5	14.73	5.35
DD89	GK	N	12	> 600	8.1	333.6	14.42	4.91
DD90	GK	N	12	572	8.6	301.6	13.24	4.26
DD65	WKY	N	16	165	5	474.9	16.92	7.3
DD66	WKY	N	16	166	5	537.8	21.44	17.71
DD67	WKY	N	16	152	4.9	446	14.68	2.55
DD68	WKY	N	16	155	5.4	464.1	16.15	5.9
DD69	WKY	N	16	156	5	520.9	20.35	9.77
DD70	WKY	N	16	148	5.4	578.2	20.21	22.55
DD45	GK	N	16	195	6.3	383.6	13.86	5.77
DD46	GK	N	16	464	8.1	385.7	14.4	7.69
DD47	GK	N	16	> 600	10.3	373.8	15.45	5.62
DD48	GK	N	16	> 600	11.3	375.7	16.54	3.97
DD49	GK	N	16	> 600	12.1	353.4	15.88	3.36
DD50	GK	N	16	> 600	11.9	368.3	15.68	3.66
DD25	WKY	N	20	176	5.1	506.5	15.56	9.99
DD26	WKY	N	20	173	5.2	648	24	29.49
DD27	WKY	N	20	169	4.7	536.6	17.23	13.53
DD28	WKY	N	20	235	4.9	539.9	18.56	15.08
DD29	WKY	N	20	172	4.7	567	18.8	10.06
DD30	WKY	N	20	205	4.9	534.9	16.55	7.04
DD10	GK	N	20	562	10.1	379.4	15.83	4.72
DD5	GK	N	20	> 600	11.8	345.7	15.21	3.25
DD6	GK	N	20	> 600	12.1	369.8	17.79	3.93
DD7	GK	N	20	580	10.5	347.7	14.17	3.73
DD8	GK	N	20	> 600	11.1	364.4	16.17	4.47
DD9	GK	N	20	> 600	12.2	417.4	18.59	4.85

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Rat ID	Epididymal Fat (g)	Muscle (g)	Leptin (pg/ml)	Plasma glucose (mg/dL)	Adiponectin (ng/ml)
DD101	0.3	0.74	21810.51	120.9	19023.16
DD102	0.43	0.76	14626.95	119.7	11440.4
DD103	0.34	0.66	13768.16	119.1	14970.29
DD104	0.55	0.96	18497.62	134.2	10111.33
DD105	0.26	0.64	19702.79	102.9	12239.42
DD106	ND	0.64	12601.3	111.7	14575.88
DD81	0.54	0.92	24805.79	236.4	17951.4
DD82	0.62	1.05	20385.79	254.4	20722.15
DD83	0.4	0.8	17755.63	215.4	19823.62
DD84	0.37	0.95	17666.25	214.7	21461.51
DD85	0.33	0.83	12163.23	205.2	21705.85
DD86	0.56	0.96	18315.1	232.3	19475.27
DD107	3.01	2.41	37641.92	149	9725.55
DD108	4.39	3.08	39434.35	151.2	8636.71
DD61	1.93	2.13	16017.2	114.2	7282.58
DD62	2.79	2.4	33026.32	151.3	10797.52
DD63	2.22	3.03	23200.19	205	7874.27
DD64	2.31	3.1	30865.34	156.3	4686.17
DD41	2.66	2.47	54424	354.8	11280
DD42	2.27	2.34	57167.76	297.8	15921.77
DD43	2.07	2.48	61850.47	398.5	14443.72
DD44	2.49	2.56	75303.38	360.2	14665.47
DD87	2.24	2.38	61583.01	312.5	16122.55
DD88	2.4	2.61	67408.82	257	14442.49
DD109	7.3	4.68	36445.36	164.4	4209.4
DD110	6.27	4.59	44739.79	146	8329.51
DD21	6.6	4.59	57227.65	134	5482
DD22	4.52	3.9	27886.01	134	9895.09
DD23	11.52	4.14	69353.79	143.2	8363.89
DD24	6.95	3.77	40346.32	145.1	5989.69
DD1	3.53	2.88	55083.55	571.3	8334.31
DD2	3.84	2.84	61165.3	639.8	8231.6
DD3	4.03	2.85	75353.58	433.5	9963.85
DD4	4.35	3.14	106062.87	379.3	12183.92
DD89	4.26	3.14	65527.23	587	12564.06
DD90	3.62	3.03	36803.72	431.3	5504.45
DD65	7.94	4.49	53492.42	150	7096.97
DD66	16.75	4.31	132614.62	188.4	6682.63
DD67	4.6	4.15	15715.69	138.8	7609.53
DD68	7.17	4.56	44387.32	164.5	4171.48
DD69	9.03	4.29	42052.1	141.1	5392.38
DD70	14.61	5.05	125737.1	151.4	7568.46
DD45	5.62	3.44	140379.88	194.9	16714.03
DD46	5.83	3.53	151640.27	343.8	15501.8
DD47	5.27	3.42	72149.85	661	11310.79
DD48	4.13	3.26	37990.61	589.1	7344.29
DD49	3.52	3.08	38863.77	633.5	8223.38
DD50	3.46	3.35	37843.95	570.1	7763.17
DD25	8.99	4.76	50763.46	151.5	7924.19
DD26	21.7	5.04	171848.84	205.9	6068.84
DD27	10.7	4.21	83477.6	157	7983.7
DD28	13.44	4.67	97203.17	207	8771.36
DD29	10.24	6.16	57911.39	156.5	7401.29
DD30	8.27	4.69	31372.15	175.5	6262.72
DD10	4.3	3.21	43216.95	594.5	13285.64
DD5	3.83	3.27	38064.97	528.3	7846.17
DD6	4.55	3.48	45150.99	648.8	7846.67
DD7	4.12	3.29	47853.39	515.1	8716.8
DD8	4.17	3.47	44285.8	568.5	7132.44
DD9	6.56	3.64	66433.65	545.1	8715.66

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Rat ID	Corticosterone (ng/ml)	HDL (mg/dl)	FFA (mM)	Insulin (ng/ml)	Plasma TG (mg/dl)	Cholesterol (mg/dl)
DD101	175.1	40.84	0.066	0.5	70.66	154
DD102	105.37	30.6	0.057	2.12	104.3	126.58
DD103	223.91	34.89	0.066	0.42	50.31	141.07
DD104	162.08	29.15	0.073	1.81	72.39	128.52
DD105	56.6	9.18	0.063	0.82	29.97	102.89
DD106	77.91	33.94	0.059	1.48	56.01	127.51
DD81	612.75	36.69	0.07	1.5	92.18	113.52
DD82	565.87	39.96	0.068	2.61	116.88	115.02
DD83	682.76	39.73	0.065	1.68	72.18	122.34
DD84	491.04	31.95	0.071	1.17	67.63	125.73
DD85	632.12	42.85	0.235	0.65	61.81	130.09
DD86	630.39	41.17	0.095	1.04	72.9	117.89
DD107	237.2	56.17	0.062	0.97	90.99	154.16
DD108	141.7	46.93	0.063	4.99	157.16	134.04
DD61	88.02	9.06	0.033	2.18	25.22	97.52
DD62	113.63	38.28	0.098	8.51	74.76	125.61
DD63	243.2	40.95	0.049	1.75	101.09	112.4
DD64	88.45	38.24	0.055	11.41	103.59	120.53
DD41	289.19	44.47	0.052	17.08	125.83	141.76
DD42	376.7	48.54	0.052	9.66	86.8	93.1
DD43	415.42	44.19	0.13	15.81	115.99	117.7
DD44	336.69	53.39	0.099	11.02	62.58	155.18
DD87	357.87	57.08	0.045	10.62	79.81	134.52
DD88	345.5	59.27	0.066	17.94	86.48	153.32
DD109	56.4	46.83	0.069	10.76	134.68	124.94
DD110	54.34	48.42	0.053	6.41	148.08	127.31
DD21	81.41	32.12	0.052	6.57	171.6	114.55
DD22	306.96	33.86	0.092	3.21	90.28	98.42
DD23	81.74	36.8	0.085	8.35	160.57	127.96
DD24	159.01	40.09	0.083	6.64	104.19	126.8
DD1	264.06	32.5	0.069	12.15	159.24	116.05
DD2	385.99	45.05	0.072	4.6	131	113.96
DD3	350.21	46.78	0.071	8.9	136.93	122.78
DD4	262.37	51.23	0.064	24.65	245.05	146.68
DD89	224.23	46.65	0.096	10.42	210.44	145.64
DD90	198.84	5.49	0.06	6.2	94.51	71.42
DD65	39.25	37.37	0.091	3.56	119.17	123.37
DD66	156.37	55.84	0.059	6.3	137.55	154.92
DD67	51.4	29.62	0.034	3.08	156.91	97.08
DD68	63.3	42.95	0.051	5.44	138.71	110.07
DD69	65.97	17.32	0.075	6.04	141.22	122.78
DD70	58.53	40.36	0.109	13.16	134.78	141.5
DD45	113.69	36.68	0.046	12.67	126.23	106.09
DD46	218.72	38.53	0.043	17.19	191.95	107.12
DD47	412.45	44.91	0.073	5.93	239.84	105.28
DD48	206.35	44.49	0.126	5.07	164.8	105.34
DD49	287.83	45.09	0.067	4.09	153.29	108.07
DD50	254.75	44.94	0.08	4.21	176.88	109.81
DD25	63.34	39.72	0.095	5.95	68.06	127.41
DD26	111.88	45.93	0.078	14.65	189.63	152.24
DD27	163.08	36.62	0.099	4.96	84.85	118.34
DD28	227.7	50.36	0.147	2.61	175.7	125.06
DD29	150.78	26.53	0.081	10.18	96.18	92.86
DD30	66.4	40.16	0.071	5.79	89.21	108.23
DD10	278.52	45.04	0.12	2.84	211.1	116.95
DD5	224.27	45.71	0.122	4.02	214.82	113.52
DD6	308.02	53.55	0.098	5.29	235.03	110.66
DD7	222.5	44.43	0.078	7.38	147.02	101.79
DD8	183	41.22	0.101	6.38	149.25	102.37
DD9	204.04	46.04	0.102	6.41	186.81	115.01

Cont'd Supplementary Table 1: Physiological Measurements on Individual Animals

Rat ID	LDL (mg/dl)	Muscle TG (ug/mg)	Liver TG (ug/mg)
DD101	85.07	28.09	9.29
DD102	61.54	13.93	9.47
DD103	52.27	24	7.65
DD104	39.74	17.37	15.99
DD105	40.89	16.42	7.8
DD106	52.13	18.02	7.8
DD81	42.39	11.85	9.97
DD82	47.32	13.23	6.62
DD83	56.67	15.25	6.42
DD84	59.29	17.46	8.3
DD85	60.75	22.81	6.96
DD86	57.04	10.64	9.02
DD107	49.46	7.87	9.03
DD108	37.37	5.29	14.2
DD61	32.53	7.04	7.09
DD62	34.44	9.73	18.21
DD63	28.93	6.05	24.77
DD64	33.52	7.3	13.92
DD41	49.55	13.226	20.7
DD42	48.57	9.91	12.49
DD43	31.7	15.65	11.93
DD44	79.9	10.97	11.41
DD87	53.05	7.44	12.31
DD88	45.09	12.48	15.97
DD109	40.25	2.91	20.33
DD110	63.16	4.84	8.37
DD21	66.42	5.27	16.74
DD22	75.78	15.03	15.67
DD23	45.01	9.95	15.76
DD24	59.02	4.56	35.24
DD1	56.07	6.57	18.14
DD2	40.8	9.06	13.91
DD3	32.83	7.55	15.68
DD4	37.37	9.36	23.33
DD89	51.93	7.61	20.1
DD90	42.14	6.48	18.63
DD65	64.21	7.37	13.29
DD66	74.33	6.27	23.81
DD67	45.34	2.64	5.41
DD68	58.83	2.5	19.23
DD69	41.23	2.49	15.51
DD70	62.93	12.44	13.74
DD45	55.45	7.14	20.02
DD46	40.72	11.61	13.82
DD47	33.95	7.48	22.19
DD48	38.98	5.13	23.02
DD49	52.78	7.57	19.65
DD50	43.95	6	22.48
DD25	44.23	7.48	21.71
DD26	44.63	10.44	31.58
DD27	56.68	5.28	15.78
DD28	65.37	5.92	27.94
DD29	47.1	6.64	15.98
DD30	39.89	3.04	50.43
DD10	54.82	3.49	18.25
DD5	41.05	6.03	17.36
DD6	36.91	6.43	22.58
DD7	46.54	6.36	19.06
DD8	32.31	6.5	20.9
DD9	33.51	8.67	23.37