

Table S2. Baseline measurements of metabolites.

	RIPC		SHAM		
	Mean/Median	±SD/IQR	Mean/Median	±SD/IQR	<i>p</i> -Value
C0	51.70	18.19	47.87	19.08	.19
C14:1	0.47	0.44	0.47	0.25	.86
C18:1	0.18	0.08	0.19	0.06	.80
Ala	456.00	198.02	509.65	168.02	.38
Arg	140.00	47.02	136.26	50.07	.84
Asn	312.95	±95.57	305.48	120.88	.67
Asp	73.20	35.62	57.04	51.29	.13
Cit	49.10	21.68	45.91	928.64	.67
Gln	945.00	343.86	928.64	295.53	.72
Glu	94.25	73.51	117.33	60.02	.018
Gly	372.50	128.94	358.34	141.42	.28
His	105.50	30.77	103.44	32.93	.94
Ile	102.05	29.27	102.52	38.08	.55
Leu	205.00	90.41	210.13	82.86	.35
Lys	300.00	132.33	308.49	116.97	.53
Met	33.50	11.86	34.66	15.47	.60
Orn	124.00	37.29	124.87	43.06	.68
Phe	83.20	19.64	82.00	24.74	.54
Ser	175.96	±48.44	162.32	53.16	.54
Thr	599.00	269.49	575.96	246.64	.98
Trp	71.70	28.74	75.41	26.42	.22
Tyr	89.65	46.17	95.00	34.64	.75
Val	345.49	±108.05	350.78	153.94	.24
Ac-Orn	1.91	1.03	1.92	0.79	.42
ADMA	0.71	0.17	0.67	0.25	.51
Creatinine	122.00	25.66	122.00	16.11	.88
Kynurenine	4.16	2.13	3.97	1.75	.51
Putrescine	0.21	0.10	0.22	0.12	.35
Serotonin	0.75	0.62	0.81	0.51	.56
Taurine	117.50	46.96	118.88	43.05	.68
Total DMA	2.46	0.83	2.24	0.82	.33
LysoPC a C16:0	241.00	117.45	251.54	111.43	.53
LysoPC a C16:1	5.67	3.39	5.42	2.89	.28
LysoPC a C17:0	4.19	1.93	3.95	2.00	.97
LysoPC a C18:0	37.80	24.40	39.19	22.50	.89
LysoPC a C18:1	47.50	27.42	46.94	24.46	.71
LysoPC a C18:2	75.20	55.23	76.59	45.35	.85

LysoPC a C20:3	5.36	3.63	5.24	2.80	.47
LysoPC a C20:4	17.90	7.94	16.98	8.67	.72
LysoPC a C24:0	0.72	0.41	0.78	0.54	.24
LysoPC a C26:0	1.16	0.69	1.25	1.16	.36
LysoPC a C26:1	0.80	0.95	0.99	0.99	.56
LysoPC a C28:0	0.82	0.57	0.89	0.80	.20
LysoPC a C28:1	0.89	0.49	0.96	0.74	.65
PC aa C24:0	0.47	0.57	0.51	0.52	.20
PC aa C26:0	2.50	1.42	2.77	1.92	.29
PC aa C28:1	3.02	1.21	3.07	1.37	.39
PC aa C30:0	4.65	2.67	5.08	2.97	.52
PC aa C30:2	0.62	0.45	0.60	0.42	.85
PC aa C32:0	17.15	8.86	18.71	9.74	.69
PC aa C32:1	23.20	17.87	24.56	20.60	.95
PC aa C32:2	4.77	3.21	4.42	3.74	.61
PC aa C32:3	0.52	±0.18	0.52	0.24	.71
PC aa C34:1	292.00	136.29	301.11	175.45	.65
PC aa C34:2	478.00	±232.15	491.34	218.98	.39
PC aa C34:3	17.55	11.32	17.89	9.31	.99
PC aa C34:4	1.65	1.15	1.59	0.86	.65
PC aa C36:0	2.77	0.87	2.72	2.06	.44
PC aa C36:1	54.25	34.38	53.18	30.97	.87
PC aa C36:2	254.00	139.06	256.83	127.66	.86
PC aa C36:3	129.00	66.59	132.71	60.38	.86
PC aa C36:4	208.50	118.07	207.58	107.79	.81
PC aa C36:5	37.30	26.30	47.31	36.99	.25
PC aa C36:6	1.50	0.70	1.58	0.97	.87
PC aa C38:0	2.79	1.22	2.70	1.59	.97
PC aa C38:1	1.03	0.71	1.12	0.93	.15
PC aa C38:3	48.30	31.89	49.70	19.89	.89
PC aa C38:4	117.00	71.10	108.05	59.60	.44
PC aa C38:5	55.35	32.15	57.20	27.42	.92
PC aa C38:6	91.40	46.97	93.20	51.87	.45
PC aa C40:2	0.34	0.13	0.38	0.24	.35
PC aa C40:3	0.58	0.24	0.58	0.33	.96
PC aa C40:4	3.15	1.58	3.01	1.25	.55
PC aa C40:5	3.45	3.45	8.73	4.16	.59
PC aa C40:6	32.20	20.62	32.69	20.09	.92
PC aa C42:0	0.55	0.22	0.49	0.27	.56
PC aa C42:1	0.28	0.09	0.26	0.12	.15
PC aa C42:2	0.27	0.12	0.30	0.13	.23

PC aa C42:4	0.16	0.06	0.15	0.08	.71
PC aa C42:5	0.35	0.15	0.36	0.50	.81
PC aa C42:6	0.49	0.09	0.52	±0.19	.58
PC ae C30:0	0.43	0.17	0.48	0.24	.19
PC ae C30:1	0.52	0.30	0.64	0.64	.12
PC ae C30:2	0.15	0.09	0.17	0.13	.036
PC ae C32:1	3.19	0.93	3.19	1.89	.92
PC ae C32:2	0.86	0.33	0.95	0.46	.37
PC ae C34:0	1.45	0.61	1.54	0.74	.98
PC ae C34:1	10.85	4.85	10.77	5.29	.79
PC ae C34:2	10.55	3.69	10.34	5.32	.67
PC ae C34:3	6.98	±3.08	6.01	3.20	.39
PC ae C36:0	1.08	0.47	1.03	0.63	.85
PC ae C36:1	7.74	3.79	8.25	3.67	.69
PC ae C36:2	14.35	±4.73	13.51	8.52	.90
PC ae C36:3	7.05	2.68	6.68	3.34	.40
PC ae C36:4	18.35	10.87	16.08	7.64	.24
PC ae C36:5	11.86	±4.92	10.58	4.45	.52
PC ae C38:0	1.97	1.10	1.97	0.99	.84
PC ae C38:1	0.52	±0.43	0.56	0.49	.43
PC ae C38:2	1.93	1.10	2.01	1.16	.89
PC ae C38:3	3.71	2.02	3.76	1.49	.69
PC ae C38:4	12.90	7.00	12.77	4.24	.41
PC ae C38:5	17.10	8.25	16.56	6.86	.28
PC ae C38:6	7.56	3.39	7.25	4.37	.92
PC ae C40:1	1.54	±0.78	1.47	0.56	.70
PC ae C40:2	1.55	0.57	1.64	0.77	.47
PC ae C40:3	0.82	0.20	0.87	0.36	.47
PC ae C40:4	2.09	1.03	1.89	0.92	.14
PC ae C40:5	3.09	1.25	3.28	1.27	.81
PC ae C40:6	4.25	2.16	4.31	2.25	.79
PC ae C42:1	0.63	±0.30	0.56	0.32	.62
PC ae C42:2	0.62	0.26	0.62	0.45	.99
PC ae C42:3	0.85	0.31	0.90	0.47	.54
PC ae C42:4	0.68	0.23	0.65	0.29	.68
PC ae C42:5	1.84	0.65	1.67	0.59	.16
PC ae C44:3	0.21	0.10	0.22	0.18	.76
PC ae C44:4	0.33	0.10	0.31	0.17	.55
PC ae C44:5	1.46	0.59	1.32	0.70	.11
PC ae C44:6	1.09	0.43	1.04	0.52	.20
SM (OH) C14:1	4.94	1.73	5.20	2.30	.62

SM (OH) C16:1	2.59	±0.74	2.45	1.03	.77
SM (OH) C22:1	9.09	5.06	9.28	3.72	.71
SM (OH) C22:2	6.91	2.84	7.19	2.91	.74
SM (OH) C24:1	0.84	0.26	0.83	0.42	.75
SM C16:0	93.65	29.38	98.08	46.41	.75
SM C16:1	12.10	4.17	12.15	5.41	.87
SM C18:0	23.35	10.02	22.58	11.90	.80
SM C18:1	7.65	3.46	7.21	4.38	.87
SM C20:2	0.24	0.15	0.24	0.10	.93
SM C24:0	14.58	±4.72	14.28	6.82	.84
SM C24:1	38.25	14.97	42.37	17.74	.32
SM C26:0	0.17	±0.07	0.15	0.10	.55
SM C26:1	0.37	±0.15	0.40	0.20	.39
H1	6467.50	2202.11	6706.54	2745.04	.54
AAA	243.19	89.92	257.43	57.28	.39
ADMA / Arg	0.0053	0.0026	0.0050	0.0024	.95
BCAA	647.44	259.51	668.51	253.77	.30
Cit / Arg	0.37	0.12	0.35	0.17	.73
Cit / Orn	0.40	0.17	0.38	0.18	.51
Essential AA	1658.21	624.28	1751.19	734.60	.61
Fisher ratio	2.62	0.60	2.65	0.87	.51
Glucogenic AA	4198	1054	4181	862	.79
Kynurenine / Trp	0.06	0.03	0.05	0.02	.031
Orn / Arg	0.90	0.40	0.92	0.43	.74
Putrescine / Orn	0.00	0.00	0.00	0.00	.62
Serotonin / Trp	0.01	0.01	0.01	0.01	.95
Total SM	217.63	78.62	221.83	81.27	.65
Total SM-non OH	188.70	63.67	197.37	70.75	.72
Total SM-OH	24.08	10.78	24.52	10.08	.81
Total SM-OH / Total SM-non OH	0.13	0.03	0.13	±0.03	.85
Tyr / Phe	1.07	0.37	1.11	±0.19	.86

Medians and IQR are given if not otherwise indicated. ± - Mean and SD are given. a - acyl; aa - diacyl; ae, acyl-alkyl.