The human metabolic profile reflects macro- and micronutrient intake distinctly according to fasting time

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Supplementary table 1: Mean and SD for metabolites in the study population in µmol/l (n=1197)

	Men (n=659)		Women (n=538)	
Variable	**Mean**	**SD**	**Mean**	**SD**
C0	48.64	13.52	42.66	10.33
C2	8.16	3.83	8.30	3.67
C3	0.49	0.20	0.40	0.15
C3-DC (C4-OH)	0.08	0.06	0.07	0.03
C4	0.26	0.11	0.23	0.11
C5	0.18	0.06	0.15	0.05
C5-OH (C3-DC-M)	0.04	0.01	0.04	0.01
C5:1	0.04	0.01	0.04	0.01
C6 (C4:1-DC)	0.09	0.03	0.09	0.03
C7-DC	0.04	0.02	0.03	0.01
C8	0.15	0.06	0.15	0.06
C8:1	0.15	0.08	0.14	0.07
C9	0.05	0.03	0.04	0.02
C10	0.25	0.11	0.24	0.10
C10:1	0.14	0.05	0.13	0.04
C10:2	0.05	0.02	0.05	0.01
C12	0.12	0.05	0.11	0.04
C12:1	0.11	0.04	0.11	0.04
C14:1-OH	0.01	0.00	0.01	0.00
C14:2	0.02	0.01	0.02	0.01
C16	0.14	0.05	0.12	0.04
C16:1-OH	0.01	0.00	0.01	0.00
C16:2	0.01	0.00	0.01	0.00
C16:2-OH	0.01	0.00	0.01	0.00
C18	0.06	0.02	0.05	0.02
C18:1	0.14	0.05	0.13	0.05
C18:1-OH	0.01	0.00	0.01	0.00
C18:2	0.05	0.02	0.04	0.01

Arg	122.93	22.06	123.05	22.71
Gln	597.11	104.14	580.51	108.24
Gly	242.85	56.21	287.99	101.35
His	84.22	27.00	81.02	16.33
Met	32.64	8.11	31.09	12.36
Orn	70.82	19.48	67.79	18.55
Phe	55.51	11.40	54.40	10.83
Pro	246.92	80.30	216.31	68.74
Ser	107.86	25.30	116.68	27.60
Thr	110.84	30.46	109.15	30.19
Trp	88.98	14.19	85.24	12.89
Tyr	102.29	28.10	100.73	29.55
Val	201.30	66.25	183.80	65.91
xLeu	239.36	68.19	214.44	61.37
lysoPC a C14:0	4.15	0.83	4.19	0.83
lysoPC a C16:0	91.29	25.60	84.55	23.91
lysoPC a C16:1	3.00	1.30	3.01	1.11
lysoPC a C17:0	1.47	0.54	1.57	0.59
lysoPC a C18:0	25.28	7.29	24.37	7.24
lysoPC a C18:1	20.70	7.43	19.15	6.30
lysoPC a C18:2	36.63	14.20	33.31	12.98
lysoPC a C20:3	2.58	0.99	2.48	0.88
lysoPC a C20:4	6.56	2.39	5.95	2.03
PC aa C26:0	0.76	0.22	0.78	0.24
PC aa C28:1	3.40	0.92	4.05	1.11
PC aa C30:0	5.98	2.14	6.65	2.28
PC aa C32:0	15.17	4.02	15.35	4.01
PC aa C32:1	20.29	12.87	21.00	10.91
PC aa C32:2	5.12	1.82	6.01	2.19
PC aa C32:3	0.57	0.18	0.70	0.23
PC aa C34:1	245.72	76.81	245.23	70.29
PC aa C34:2	406.51	112.67	411.42	119.16

PC aa C34:3	19.54	6.62	21.62	6.62
PC aa C34:4	2.46	0.95	2.80	1.07
PC aa C36:0	3.21	0.99	3.46	1.10
PC aa C36:1	59.69	18.26	62.61	16.64
PC aa C36:2	260.03	66.94	271.65	75.07
PC aa C36:3	158.72	41.55	168.65	45.45
PC aa C36:4	217.47	63.82	222.80	62.96
PC aa C36:5	39.21	20.76	39.49	20.17
PC aa C36:6	1.43	0.61	1.68	0.74
PC aa C38:0	3.19	1.00	3.49	1.18
PC aa C38:3	59.88	17.17	66.19	17.34
PC aa C38:4	122.00	36.98	129.41	35.65
PC aa C38:5	64.04	20.06	67.15	19.00
PC aa C38:6	104.31	33.81	110.90	36.10
PC aa C40:1	0.40	0.10	0.41	0.10
PC aa C40:2	0.38	0.12	0.39	0.13
PC aa C40:3	0.68	0.21	0.69	0.22
PC aa C40:4	4.10	1.50	4.15	1.19
PC aa C40:5	13.95	4.93	14.18	4.20
PC aa C40:6	37.21	13.47	39.95	14.03
PC aa C42:0	0.57	0.18	0.64	0.22
PC aa C42:1	0.28	0.08	0.31	0.10
PC aa C42:2	0.28	0.09	0.28	0.09
PC aa C42:4	0.19	0.05	0.19	0.05
PC aa C42:5	0.48	0.18	0.49	0.16
PC aa C42:6	0.60	0.19	0.65	0.19
PC ae C30:0	0.40	0.13	0.46	0.16
PC ae C30:2	0.17	0.06	0.21	0.07
PC ae C32:1	2.76	0.70	2.99	0.77
PC ae C32:2	0.67	0.18	0.81	0.23
PC ae C34:0	1.71	0.54	1.91	0.63
PC ae C34:1	10.11	2.63	11.49	3.08

PC ae C34:2	11.88	3.50	13.37	4.04
PC ae C34:3	7.82	2.38	8.81	2.87
PC ae C36:0	1.00	0.31	1.02	0.31
PC ae C36:1	8.13	2.21	9.44	2.62
PC ae C36:2	15.33	4.22	18.04	5.11
PC ae C36:3	8.95	2.52	9.93	2.85
PC ae C36:4	19.43	6.25	19.58	5.83
PC ae C36:5	13.68	4.10	13.92	4.27
PC ae C38:0	2.28	0.80	2.57	0.92
PC ae C38:2	2.27	0.57	2.56	0.66
PC ae C38:3	4.37	1.11	5.19	1.32
PC ae C38:4	13.52	3.45	14.62	3.74
PC ae C38:5	19.99	5.15	20.42	5.17
PC ae C38:6	8.41	2.41	9.11	2.67
PC ae C40:0	6.03	1.71	6.64	2.03
PC ae C40:1	1.44	0.41	1.48	0.43
PC ae C40:2	2.10	0.58	2.39	0.65
PC ae C40:3	1.04	0.23	1.22	0.27
PC ae C40:4	2.51	0.60	2.68	0.64
PC ae C40:5	4.02	0.92	4.29	1.05
PC ae C40:6	5.30	1.47	6.01	1.85
PC ae C42:0	0.49	0.10	0.50	0.11
PC ae C42:1	0.43	0.12	0.45	0.11
PC ae C42:2	0.66	0.17	0.72	0.21
PC ae C42:3	0.77	0.19	0.84	0.23
PC ae C42:4	0.96	0.26	1.02	0.27
PC ae C42:5	2.21	0.55	2.37	0.58
PC ae C44:3	0.13	0.04	0.14	0.04
PC ae C44:4	0.41	0.12	0.44	0.12
PC ae C44:5	1.91	0.60	2.00	0.61
PC ae C44:6	1.25	0.39	1.33	0.42
SM (OH) C14:1	7.53	2.70	9.25	3.09

SM C16:0	125.79	34.97	136.17	34.94
SM C16:1	19.51	5.59	23.57	6.30
SM (OH) C16:1	4.07	1.43	5.06	1.65
SM C18:0	31.67	9.23	36.58	10.16
SM C18:1	14.19	4.47	18.18	5.40
SM (OH) C22:1	16.60	5.94	19.66	6.39
SM (OH) C22:2	13.44	4.75	17.51	5.70
SM C24:0	29.17	9.88	30.13	9.08
SM C24:1	71.97	21.83	75.31	21.13
H1	6411.43	1441.48	6032.16	1125.89

Supplementary table 2: Micro- and macronutrient intake (in g/day) for the study population (n=1197)

	Men (n=659)		Women (n=538)	
	Mean	**SD**	**Mean**	**SD**
Alcohol	19.95	21.62	7.19	10.22
Dietary fiber	25.46	7.90	21.91	6.36
Protein	91.04	24.36	65.07	18.32
Fats	111.60	31.83	78.77	22.70
Carbohydrates	272.33	82.80	215.00	69.80
Mineral nutrients	19.38	4.61	15.21	3.72
Organic acids	7.28	3.19	7.03	3.71