Supplemental Table 1. Analysis datasets of short-chain fatty acids and bile acids in D0, D7, D14, D28 and F28

Acetic acid (mg/g)

Subjects	D0	D7	D14	D28	F28
No. 1	2.14	2.41	2.60	2.57	2.16
No. 2	3.03	3.01	3.09	3.10	2.96
No. 3	4.78	4.63	4.69	4.78	5.12
No. 4	3.69	3.68	3.82	3.83	3.76
No. 5	4.51	4.63	4.78	4.89	3.68
No. 6	2.90	3.06	3.23	3.25	3.30
No. 8	2.51	2.57	2.67	2.95	2.62
No. 9	3.77	4.22	3.92	4.13	4.05
No. 10	4.89	5.15	5.15	5.16	4.74
No. 11	2.96	2.87	3.18	3.35	3.04
No. 12	3.21	3.07	3.31	3.10	3.71
No. 13	3.71	3.43	3.45	3.56	3.76
No. 14	3.73	3.67	3.94	3.91	3.83
No. 15	3.04	2.97	3.12	3.27	2.97
No. 16	2.54	2.66	2.65	2.79	2.74
No. 17	2.05	2.04	2.32	2.44	1.78
No. 18	1.18	1.29	1.46	1.79	1.40
No. 19	3.24	3.25	3.41	3.47	3.18
No. 20	5.12	5.13	5.57	5.55	5.22

Propionic acid

Subjects	D0	D7	D14	D28	F28
No. 1	1.12	1.14	1.20	1.12	1.13
No. 2	2.18	2.10	2.12	2.09	2.11
No. 3	1.34	1.27	1.27	1.32	1.34
No. 4	1.83	1.77	1.80	1.75	1.83
No. 5	1.33	1.29	1.38	1.40	1.17
No. 6	1.25	1.31	1.32	1.31	1.33
No. 8	1.70	1.65	1.66	1.77	1.74
No. 9	2.07	2.22	2.06	2.01	2.05
No. 10	1.12	1.14	1.10	1.05	1.12
No. 11	0.71	0.65	0.67	0.69	0.72
No. 12	0.95	0.83	0.90	0.72	1.05
No. 13	1.19	1.12	1.14	1.15	1.13
No. 14	1.14	1.09	1.19	1.16	1.14
No. 15	1.83	1.70	1.71	1.74	1.77
No. 16	1.06	1.06	0.95	0.99	1.03
No. 17	1.33	1.10	1.15	1.10	1.10
No. 18	0.80	0.79	0.87	0.79	0.78
No. 19	1.25	1.21	1.26	1.27	1.20
No. 20	1.42	1.39	1.50	1.49	1.45

***n*-butyric acid**

Subjects	D0	D7	D14	D28	F28
No. 1	1.11	1.12	1.18	1.07	1.07
No. 2	1.12	1.06	1.07	1.03	1.05
No. 3	2.00	1.94	1.93	1.93	2.02
No. 4	1.35	1.29	1.29	1.22	1.33
No. 5	1.65	1.64	1.71	1.66	1.36
No. 6	1.50	1.58	1.59	1.54	1.61
No. 8	0.85	0.81	0.82	0.80	0.83
No. 9	0.59	0.63	0.57	0.53	0.60
No. 10	1.60	1.59	1.60	1.45	1.54
No. 11	0.42	0.38	0.38	0.35	0.40
No. 12	0.19	0.26	0.30	0.23	0.29
No. 13	1.26	1.19	1.16	1.16	1.18
No. 14	1.32	1.23	1.36	1.30	1.30
No. 15	0.76	0.70	0.69	0.63	0.75
No. 16	1.61	1.61	1.53	1.47	1.60
No. 17	0.96	0.75	0.79	0.70	0.72
No. 18	0.37	0.34	0.38	0.29	0.35
No. 19	0.95	0.89	0.91	0.85	0.91
No. 20	0.81	0.77	0.81	0.74	0.80

***n*-valeric acid**

Subjects	D0	D7	D14	D28	F28
No. 1	0.24	0.23	0.24	0.20	0.23
No. 2	0.15	0.14	0.15	0.11	0.15
No. 3	0.16	0.16	0.14	0.15	0.16
No. 4	0.34	0.32	0.33	0.27	0.33
No. 5	0.14	nd	nd	nd	0.12
No. 6	0.22	0.21	0.23	0.19	0.22
No. 8	0.20	0.17	0.16	0.18	0.19
No. 9	0.11	nd	nd	0.10	0.11
No. 10	nd	nd	nd	nd	nd
No. 11	0.24	0.21	0.21	0.18	0.22
No. 12	0.11	0.11	0.13		0.18
No. 13	0.32	0.30	0.29	0.29	0.28
No. 14	0.13	0.13	0.13	0.13	0.14
No. 15	0.23	0.22	0.20	0.20	0.22
No. 16	0.25	0.25	0.17	0.23	0.21
No. 17	0.19	0.15	0.13	0.15	0.14
No. 18	nd	nd	nd	nd	nd
No. 19	nd	nd	nd	nd	nd
No. 20	nd	nd	nd	nd	nd

Iso-valeric acid

Subjects	D0	D7	D14	D28	F28
No. 1	0.41	0.42	0.47	0.39	0.41
No. 2	0.14	0.14	0.12	0.12	0.13
No. 3	0.12	0.13	nd	0.10	0.12
No. 4	0.14	0.13	0.14	0.13	0.15
No. 5	0.10	nd	0.10	nd	nd
No. 6	0.30	0.29	0.32	0.25	0.31
No. 8	0.23	0.22	0.24	0.20	0.21
No. 9	0.11	0.13	nd	nd	nd
No. 10	nd	nd	nd	nd	nd
No. 11	0.39	0.34	0.37	0.34	0.37
No. 12	0.26	0.18	0.21	0.17	0.26
No. 13	0.19	0.18	0.17	0.16	0.17
No. 14	0.12	0.12	0.13	0.13	0.14
No. 15	0.24	0.22	0.19	0.21	0.21
No. 16	0.43	0.42	0.36	0.36	0.41
No. 17	0.38	0.28	0.28	0.27	0.24
No. 18	0.28	0.26	0.26	0.23	0.26
No. 19	0.11	nd	nd	nd	nd
No. 20	nd	nd	nd	nd	nd

Iso-butyric acid

Subjects	D0	D7	D14	D28	F28
No. 1	0.15	0.14	0.11	0.29	0.12
No. 2	nd	nd	nd	0.21	nd
No. 3	0.14	nd	nd	0.13	nd
No. 4	0.15	nd	nd	0.16	nd
No. 5	nd	nd	nd	0.10	nd
No. 6	0.12	nd	nd	0.23	nd
No. 8	0.11	nd	0.13	0.26	nd
No. 9	nd	nd	nd	0.21	nd
No. 10	nd	nd	0.88	0.18	nd
No. 11	0.17	0.11	0.14	0.16	0.13
No. 12	0.13	nd	nd	0.11	nd
No. 13	0.12	nd	nd	nd	nd
No. 14	nd	nd	0.10	nd	nd
No. 15	0.12	nd	0.13	0.15	nd
No. 16	0.20	0.11	0.10	0.14	0.11
No. 17	0.16	nd	nd	0.17	nd
No. 18	nd	nd	nd	0.19	0.11
No. 19	nd	nd	nd	0.15	nd
No. 20	nd	nd	0.12	0.14	nd

Lactic acid

Subjects	D0	D7	D14	D28	F28
No. 1	nd	nd	nd	nd	nd
No. 2	nd	nd	nd	nd	nd
No. 3	0.07	nd	0.07	nd	0.13
No. 4	nd	nd	nd	nd	nd
No. 5	0.08	0.14	0.14	0.12	0.05
No. 6	0.14	0.11	0.15	0.13	0.18
No. 8	nd	nd	0.05	nd	0.05
No. 9	0.29	0.25	0.21	0.21	0.43
No. 10	0.45	0.43	0.43	0.41	0.47
No. 11	nd	nd	nd	nd	nd
No. 12	0.06	nd	nd	nd	0.05
No. 13	0.14	nd	nd	0.06	0.12
No. 14	nd	nd	nd	nd	nd
No. 15	nd	nd	nd	nd	nd
No. 16	0.05	nd	0.07	0.06	0.08
No. 17	nd	nd	nd	nd	nd
No. 18	nd	nd	nd	nd	nd
No. 19	nd	nd	nd	nd	nd
No. 20	0.97	1.00	0.96	0.98	1.04

DCA (μmol/g)

Subjects	D0	D7	D14	D28	F28
No. 1	1.70	1.50	1.48	1.26	1.09
No. 2	1.43	1.28	1.21	0.97	1.00
No. 3	1.61	1.48	1.51	1.12	1.28
No. 4	4.58	4.27	4.42	4.15	4.73
No. 5	1.64	1.77	2.17	1.90	1.74
No. 6	5.18	4.73	5.37	4.56	5.20
No. 8	0.51	0.42	0.43	0.35	0.42
No. 9	0.29	0.26	0.26	0.23	0.24
No. 10	0.20	0.18	0.17	0.18	0.18
No. 11	1.61	1.87	1.81	1.67	1.29
No. 12	4.28	4.28	4.13	4.14	5.19
No. 13	1.72	1.94	2.12	1.66	1.47
No. 14	2.24	2.44	2.94	2.47	2.99
No. 15	3.00	3.79	3.89	2.87	3.47
No. 16	3.23	3.84	4.11	3.14	3.42
No. 17	1.75	1.99	2.47	2.02	2.08
No. 18	1.56	1.57	1.78	1.12	1.05
No. 19	2.28	2.81	3.44	2.24	2.31
No. 20	ND	ND	ND	ND	ND

CA

Subjects	D0	D7	D14	D28	F28
No. 1	nd	nd	nd	nd	nd
No. 2	nd	nd	nd	nd	nd
No. 3	nd	nd	nd	nd	nd
No. 4	nd	nd	nd	nd	nd
No. 5	0.70	0.57	0.64	0.59	0.64
No. 6	nd	nd	nd	nd	nd
No. 8	2.07	2.06	2.04	1.71	2.01
No. 9	1.90	1.89	1.79	1.62	1.74
No. 10	0.51	0.41	0.38	0.42	0.46
No. 11	nd	nd	nd	nd	nd
No. 12	nd	nd	nd	nd	nd
No. 13	0.11	0.10	0.10	0.15	nd
No. 14	0.45	0.30	0.66	0.66	nd
No. 15	nd	0.10	nd	0.14	0.11
No. 16	nd	nd	nd	nd	nd
No. 17	nd	nd	nd	nd	nd
No. 18	nd	nd	nd	nd	nd
No. 19	nd	nd	nd	nd	nd
No. 20	1.72	2.23	1.73	1.64	1.85

CDCA

Subjects	D0	D7	D14	D28	F28
No. 1	nd	nd	nd	nd	nd
No. 2	nd	nd	nd	nd	nd
No. 3	nd	0.10	0.11	0.11	nd
No. 4	nd	nd	nd	nd	nd
No. 5	0.53	0.45	0.52	0.42	0.55
No. 6	nd	nd	nd	nd	nd
No. 8	0.88	0.67	0.76	0.56	0.81
No. 9	0.92	0.70	0.71	0.58	0.70
No. 10	0.41	0.38	0.41	0.32	0.38
No. 11	nd	nd	nd	nd	nd
No. 12	nd	nd	nd	nd	nd
No. 13	0.11	0.15	0.16	0.14	nd
No. 14	0.19	0.20	0.37	0.42	nd
No. 15	0.12	0.17	0.16	0.15	0.14
No. 16	nd	nd	nd	nd	nd
No. 17	nd	nd	nd	nd	nd
No. 18	nd	nd	nd	nd	nd
No. 19	nd	0.13	nd	0.11	nd
No. 20	1.22	1.33	0.93	0.95	1.18

LCA

Subjects	D0	D7	D14	D28	F28
No. 1	1.25	1.05	1.15	0.95	1.04
No. 2	0.87	0.69	0.96	0.60	1.02
No. 3	1.73	1.36	1.31	1.08	1.60
No. 4	2.67	2.60	2.66	2.37	2.40
No. 5	1.13	0.84	0.92	0.94	0.80
No. 6	3.66	2.72	4.00	2.22	3.10
No. 8	nd	nd	nd	nd	nd
No. 9	nd	nd	nd	nd	nd
No. 10	nd	nd	nd	nd	nd
No. 11	1.37	1.19	0.92	1.15	1.24
No. 12	16.38	9.30	6.65	7.09	9.77
No. 13	0.66	0.67	0.68	0.63	0.76
No. 14	1.14	0.94	1.05	0.60	0.70
No. 15	1.60	1.58	1.83	1.27	2.08
No. 16	2.04	2.60	1.71	2.10	2.77
No. 17	3.37	2.50	3.31	2.81	3.86
No. 18	2.95	1.57	2.45	1.46	1.99
No. 19	0.51	0.46	0.56	0.46	0.50
No. 20	nd	nd	nd	nd	nd

UDCA

Subjects	D0	D7	D14	D28	F28
No. 1	nd	nd	nd	nd	nd
No. 2	nd	nd	nd	nd	nd
No. 3	nd	nd	nd	nd	nd
No. 4	nd	nd	nd	nd	nd
No. 5	0.18	0.15	0.16	0.19	0.14
No. 6	nd	nd	nd	nd	nd
No. 8	1.18	1.05	1.07	0.82	1.07
No. 9	0.28	0.26	0.25	0.25	0.23
No. 10	0.32	0.32	0.31	0.28	0.29
No. 11	nd	nd	nd	nd	nd
No. 12	0.14	nd	0.12	0.16	0.13
No. 13	nd	nd	nd	nd	nd
No. 14	0.17	0.12	0.24	0.22	0.51
No. 15	nd	nd	nd	nd	nd
No. 16	nd	nd	nd	nd	nd
No. 17	nd	nd	nd	nd	nd
No. 18	nd	nd	nd	nd	nd
No. 19	nd	nd	nd	nd	nd
No. 20	0.19	0.19	0.16	0.19	0.17

GCA

Subjects	D0	D7	D14	D28	F28
No. 1	1.58	2.79	3.14	3.66	1.64
No. 2	0.75	0.83	0.86	nd	nd
No. 3	3.85	3.80	3.73	1.44	2.34
No. 4	3.18	5.11	4.80	4.27	2.82
No. 5	3.15	2.51	3.10	3.86	1.57
No. 6	0.46	nd	nd	nd	nd
No. 8	8.53	8.73	7.79	8.08	7.54
No. 9	6.38	6.41	4.05	10.42	2.97
No. 10	3.76	5.40	4.76	1.77	1.22
No. 11	2.73	3.69	2.99	4.58	1.95
No. 12	4.23	6.16	5.32	4.73	6.27
No. 13	0.51	nd	nd	nd	0.51
No. 14	2.68	2.86	3.50	2.94	4.49
No. 15	1.23	3.45	2.22	3.39	0.94
No. 16	0.33	nd	nd	0.82	0.95
No. 17	1.76	1.84	2.54	1.87	1.08
No. 18	0.49	nd	nd	nd	nd
No. 19	6.11	5.06	5.26	6.65	3.66
No. 20	9.19	3.48	3.48	3.90	3.78

7-oxo-LCA

Subjects	D0	D7	D14	D28	F28
No. 1	nd	nd	nd	nd	nd
No. 2	nd	nd	nd	nd	nd
No. 3	0.17	nd	nd	nd	0.14
No. 4	0.17	nd	nd	nd	0.14
No. 5	0.19	0.47	0.45	0.59	0.15
No. 6	0.17	nd	nd	nd	0.14
No. 8	0.25	0.54	0.54	0.66	0.20
No. 9	0.21	0.49	0.47	0.65	0.17
No. 10	0.18	0.47	nd	0.63	0.15
No. 11	nd	nd	nd	nd	nd
No. 12	0.16	nd	nd	0.59	0.15
No. 13	0.16	0.46	0.46	0.60	0.15
No. 14	0.16	nd	0.47	0.61	0.17
No. 15	0.18	0.47	0.48	0.61	0.17
No. 16	nd	nd	nd	nd	nd
No. 17	nd	nd	nd	nd	nd
No. 18	nd	nd	nd	nd	nd
No. 19	0.16	nd	nd	0.60	0.14
No. 20	0.17	0.46	0.46	0.62	0.16

All data were expressed as average of triplicate analyses of the same tube. nd, not detectable.