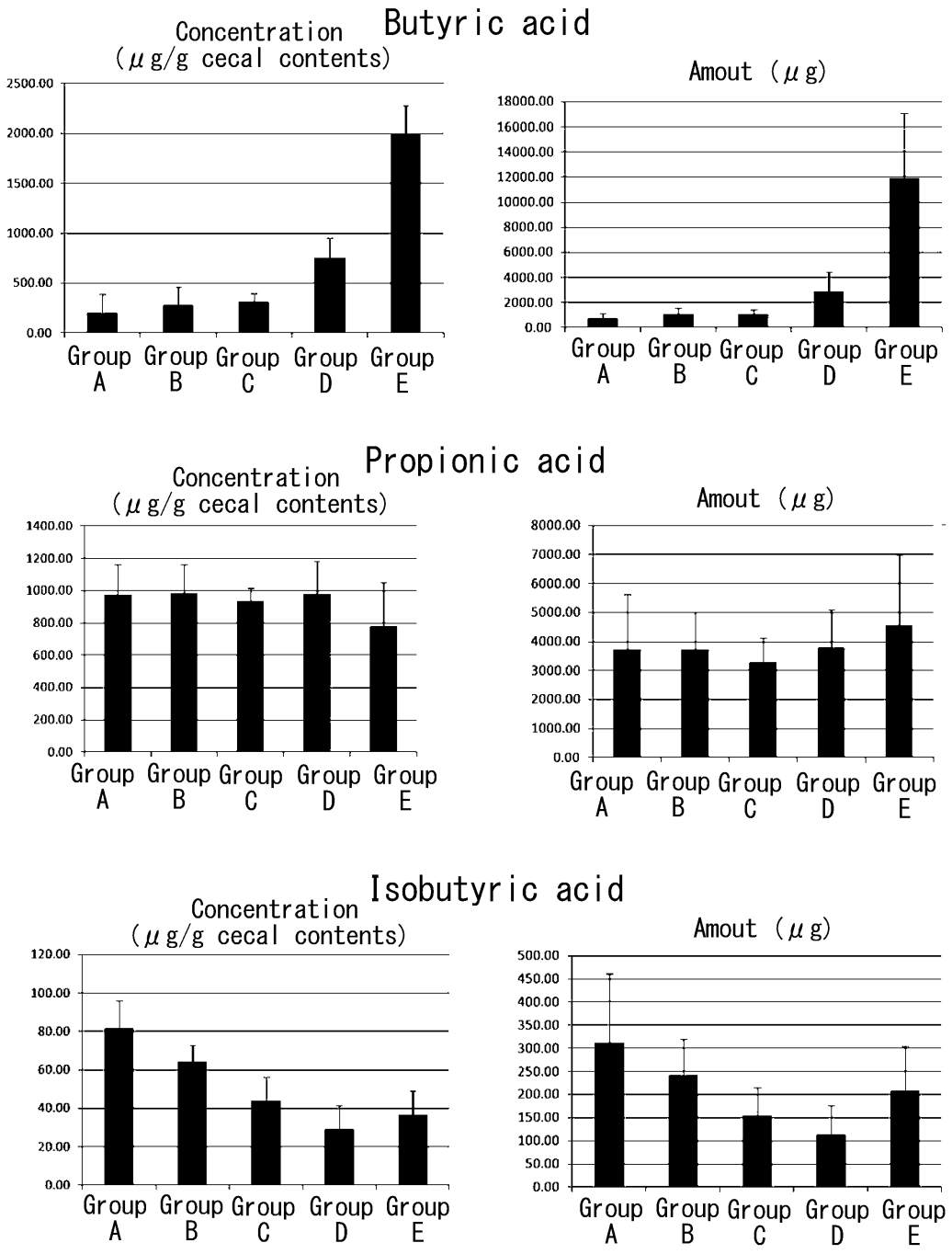
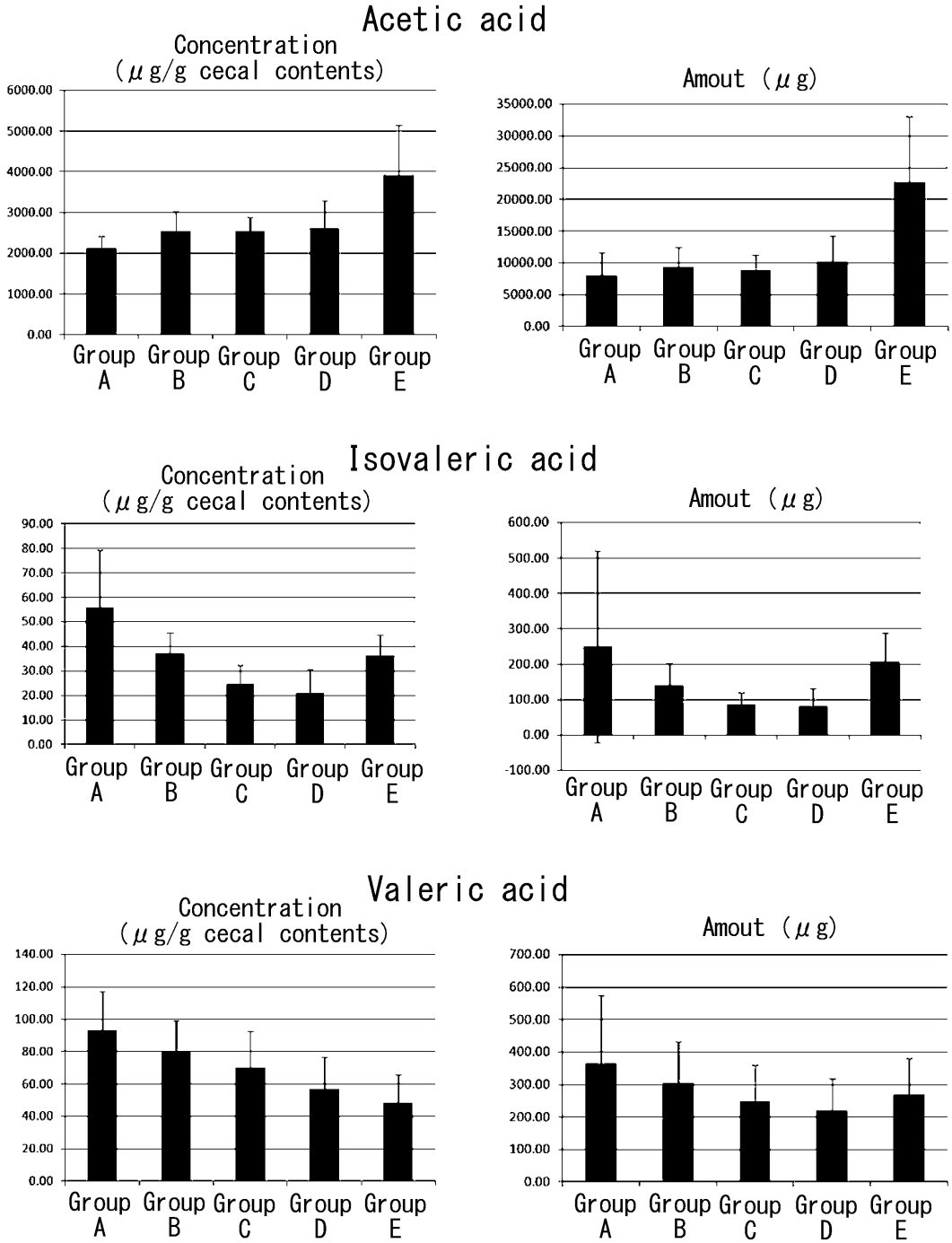
[Figure 1]

	Daily feed intake (g/g body weight)	Daily 1-kestose intake (g/kg body weight)	Daily 1-kestose intake of human adult (g/kg body weight)	Weight of cecal contents (g)	Concentration and amount of short chain fatty acids							
							Butyric acid	Propionic acid	Isobutyric acid	Acetic acid	Isovaleric acid	Valeric acid
Group A (without 1-kestose)	0.05	0.00	0.00	3.83	Concentration (μg/g cecal contents)	Mean	205.86	977.07	81.77	2130.79	55.83	93.14
						Standard deviation	46.09	184.52	14.23	233.45	23.60	24.13
					Amount (μg)	Mean	781.14	3747.81	311.94	8043.63	249.52	365.59
						Standard deviation	378.82	1891.32	148.94	3600.72	270.66	208.04
Group B (with 0.5% 1-kestose)	0.05	0.27	0.04	3.71	Concentration (μg/g cecal contents)	Mean	288.09	988.82	64.18	2542.87	37.05	80.14
						Standard deviation	108.74	174.39	8.64	499.18	8.68	18.89
					Amount (μg)	Mean	1069.37	3732.56	241.66	9435.67	142.02	306.51
						Standard deviation	487.93	1286.15	78.89	2950.95	60.08	125.22
Group C (with 1% 1-kestose)	0.05	0.54	0.09	3.49	Concentration (μg/g cecal contents)	Mean	314.59	938.04	43.87	2530.36	24.54	70.19
						Standard deviation	69.75	80.63	12.38	351.37	7.80	22.48
					Amount (μg)	Mean	1107.92	3291.69	154.62	8870.32	85.83	248.89
						Standard deviation	352.03	824.25	61.06	2370.66	33.07	111.63
Group D (with 2.5% 1-kestose)	0.05	1.34	0.22	3.81	Concentration (μg/g cecal contents)	Mean	754.17	980.09	29.35	2616.78	20.93	57.04
						Standard deviation	358.70	200.67	12.29	693.43	9.68	19.41
					Amount (μg)	Mean	2891.65	3789.36	114.02	10163.86	81.73	218.62
						Standard deviation	1543.92	1313.64	62.06	4075.26	48.66	99.85
Group E (with 5% 1-kestose)	0.05	2.71	0.44	5.73	Concentration (μg/g cecal contents)	Mean	2005.26	778.52	36.79	3927.02	36.18	48.72
						Standard deviation	472.42	273.22	12.38	1213.93	8.53	17.01
					Amount (μg)	Mean	11943.88	4568.92	208.41	22739.42	207.21	268.23
						Standard deviation	5159.76	2438.90	96.56	10336.24	81.12	111.21

[Figure 2]


Butyric acid
Concentration
(μg/g cecal contents)
2500.00
2000.00
1500.00
1000.00
500.00
0.00
Group A
Group B
Group C
Group D
Group E
Amout (μg)
18000.00
16000.00
14000.00
12000.00
10000.00
8000.00
6000.00
4000.00
2000.00
0.00
Propionic acid
Concentration
(μg/g cecal contents)
1400.00
1200.00
1000.00
800.00
600.00
400.00
200.00
0.00
Amout (μg)
8000.00
7000.00
6000.00
5000.00
4000.00
3000.00
2000.00
1000.00
0.00
Isobutyric acid
Concentration
(μg/g cecal contents)
120.00
100.00
80.00
60.00
40.00
20.00
0.00
Amout (μg)
500.00
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00

[Figure 3]


Acetic acid
Concentration
(μg/g cecal contents)
6000.00
5000.00
4000.00
3000.00
2000.00
1000.00
0.00
Group A
Group B
Group C
Group D
Group E
Amout (μg)
35000.00
30000.00
25000.00
20000.00
15000.00
10000.00
5000.00
0.00
Group A
Group B
Group C
Group D
Group E
Isovaleric acid
Concentration
(μg/g cecal contents)
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Group A
Group B
Group C
Group D
Group E
Amout (μg)
600.00
500.00
400.00
300.00
200.00
100.00
0.00
-100.00
Group A
Group B
Group C
Group D
Group E
Valeric acid
Concentration
(μg/g cecal contents)
140.00
120.00
100.00
80.00
60.00
40.00
20.00
0.00
Group A
Group B
Group C
Group D
Group E
Amout (μg)
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
Group A
Group B
Group C
Group D
Group E

[Figure 4]

(I)

		Bifidobacterium	Clostridium clusters-XIVa, b	Lactobacillus	Akkermansia muciniphila
Group A	Mean	11825000	5071250000	644375000	1208875000
	Standard deviation	0.13	0.22	0.30	0.41
Group E	Mean	66648750000	25287500000	1314125000	1307571429
	Standard deviation	0.54	0.16	0.49	0.38
	TTEST	3.14235E-11	3.02464E-06	0.451247075	0.848766779
	Significant difference	○	○	×	×

Unit: Copy number of 16S rDNA/g cecal contents

(II)

