





1

CC	572
CC	258
CC	50
CC	24
CC	45
CC	20.5
CC	11
CC	5
CC	3
CC	1
CC	0.5
A, CC, CC, CC, /	10
CC, CC, CC, ( )	14.4
CC, CC, CC, ( )	223.5
CC, CC, CC, ( )	14.3
CC, CC, CC, ( )	3.6
CC, CC, CC, ( )	8.3
CC, CC, CC, ( )	6.6

A, 5500 ; B, 500 ; C, 40 ; Df, 5.0 ; E, B<sub>12</sub>, 0.03 ; F, C, 3.0 ; G, 1.0 ; H, 0.10 ; I, 2.0 ; J, 30 ; K, C, 20 ; L, C, 0.6 ; M, C, 800 ; N, (C, 4), 100 ; O, (C, 4-5, 2), 125 ; P, (C, 4-5, 2), 16 ; Q, (C, 4-5, 2), 15 ; R, (C, 2, 3), 0.2 ; S, (C, 2, 3), 0.3 .

2

		C	5' 3'
<i>E. coli</i>	(2002)	↓	CA CC C A AA AA C AAC CAA A CAAA
<i>Lactobacillus</i>	(2012)	↓	C A AAA CCC C A CC CA C CA ..

**A** AC (2000). A ad libitum (A ),  
(A ), (1) fi 10% C  
-80°C C

#### *2.4. Sample analysis*

*Escherichia coli* Lacto-  
bacillus (2002) (2012). C. A. B. C.

3

	<i>L. acidophilus</i>	<i>+ L. acidophilus</i>	<i>- L. acidophilus</i>	
40 fl	81.25	82.09	83.92	3.21 0.839
80	58.11	60.54	70.82	2.73 0.036
120	78.89	80.08	88.91	3.27 0.139
240	69.73	72.31	81.27	2.20 0.023

Fig. 1. The effect of *l*-carnitine on the plasma levels of free fatty acids ( $P < 0.05$ ).

*L. acidophilus* = *Lactobacillus acidophilus*.

1

+ *L. acidophilus* = *Lactobacillus acidophilus*.

L. Acidophilus = . . . . . Lactobacillus acidophilus.

$$\text{P}_1 \text{C}_1 \text{P}_1 \text{C}_1 \dots = 3.$$

4

	<i>L. acidophilus</i>	<i>+L. acidophilus</i>	<i>-L. acidophilus</i>	
A	269	275	274	278
A	368	369	366	370
	1.37	1.34	1.35	1.34
			1.25	0.05
				0.409

Fig. 10. The effect of *luteolin* on the proliferation of fibroblasts ( $P < 0.05$ ).

*L. acidophilus* = *Lactobacillus acidophilus*.

$\lambda = \infty$

+L. acidophilus= Lactobacillus acidophilus.

$\text{d} \theta = 6^\circ$

### **2.5. Statistical analysis**

(A) 20.0 (C)  $P < 0.05$ .

3.

### 3.1. Survival rate of immobilized *L. acidophilus* in simulated gastrointestinal juices

*L. acidophilus*, +*L. acidophilus* vs. *L. acidophilus* (P<0.05).  
*L. acidophilus* vs. *L. acidophilus*, fl 240, +*L. acidophilus* (P>0.05).  
*L. acidophilus*, fl 120, ( $P > 0.05$ ).

### 3.2. Growth performance

$P < 0.05$  A + L. acidophilus, C, L. acidophilus, C + L. acidophilus  
 $P > 0.05$  A, A + L. acidophilus, C, L. acidophilus, C + L. acidophilus, C (P > 0.05) D, D

### 3.3. Intestinal microbiota

	$\text{L. acidophilus}$	$\text{L. acidophilus} + \text{L. acidophilus}$	$\text{L. acidophilus}$	$\text{L. acidophilus} + \text{L. acidophilus}$	$\text{L. acidophilus}$	$\text{L. acidophilus} + \text{L. acidophilus}$	$\text{L. acidophilus}$
<i>E. coli</i>	7.22	6.85	7.11	6.81	6.52	0.18	0.078
<i>Lactobacillus</i>	6.07	6.75	6.11	6.78	7.15	0.24	0.014
<i>E. coli</i>	8.25	7.98	8.17	7.81	7.53	0.21	0.082
<i>Lactobacillus</i>	6.98	7.55	7.02	7.49	7.88	0.19	0.008

B  $\text{L. acidophilus}$  vs  $\text{L. acidophilus} + \text{L. acidophilus}$ :  $P < 0.05$ .

B  $\text{L. acidophilus}$  vs  $\text{Lactobacillus acidophilus}$ :  $P < 0.05$ .

$\text{L. acidophilus} = \text{Lactobacillus acidophilus}$ .

$\text{L. acidophilus} + \text{L. acidophilus} = \text{Lactobacillus acidophilus} + \text{Lactobacillus acidophilus}$ .

$n = 6$ .

$\text{L. acidophilus}$ ,  $\text{L. acidophilus} + \text{L. acidophilus}$ ,  $\text{L. acidophilus}$ ,  $\text{L. acidophilus} + \text{L. acidophilus}$ ,  $\text{L. acidophilus}$

L. acidophilus + L. acidophilus

1

... (C. 201403047).

