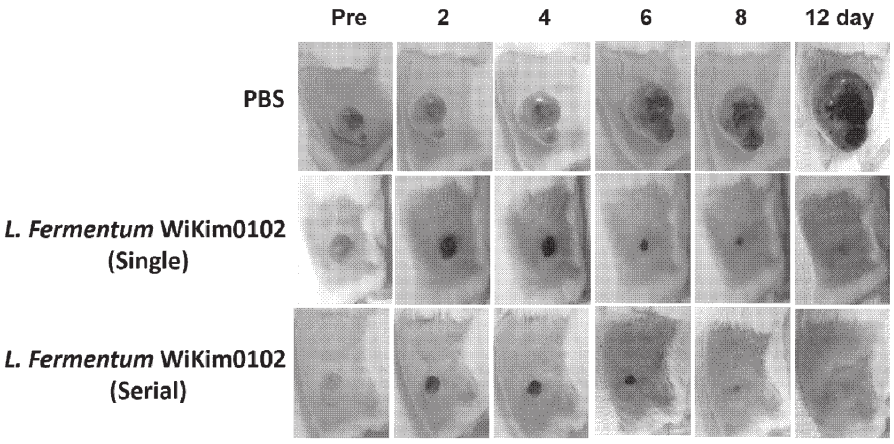
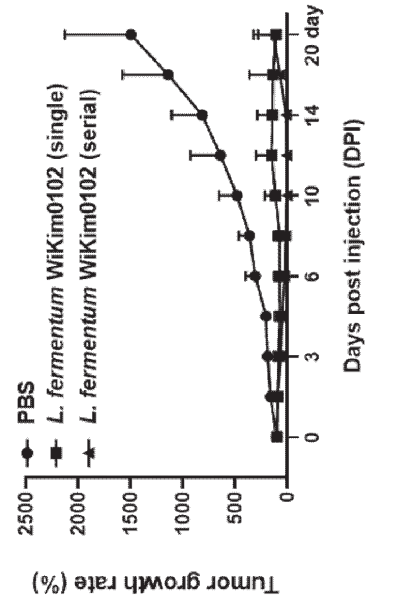
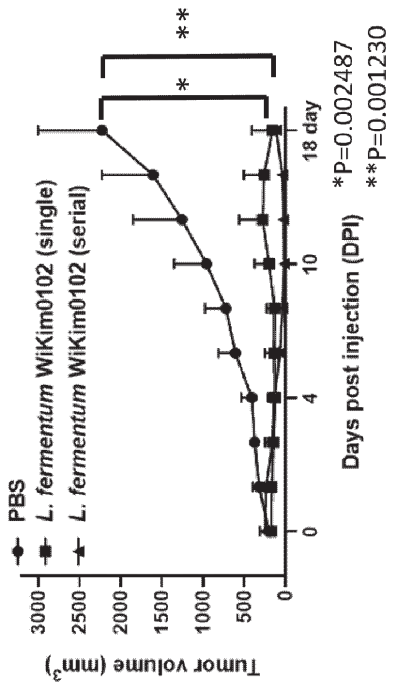
【Drawings】

【FIG. 1】

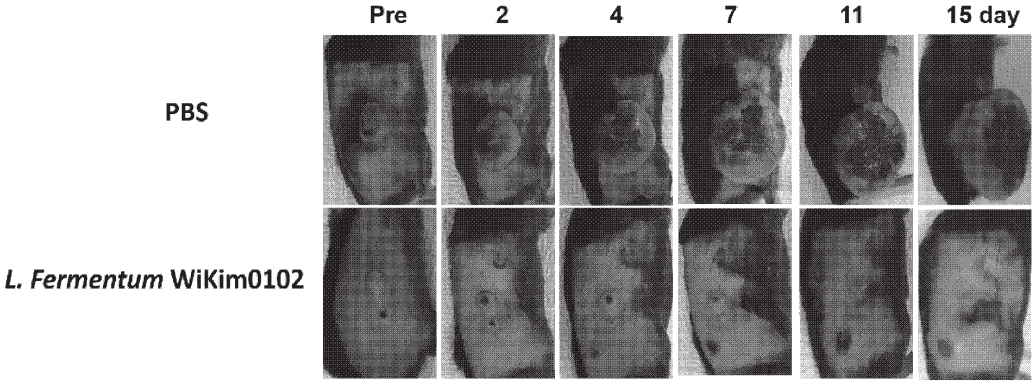


【FIG. 2】

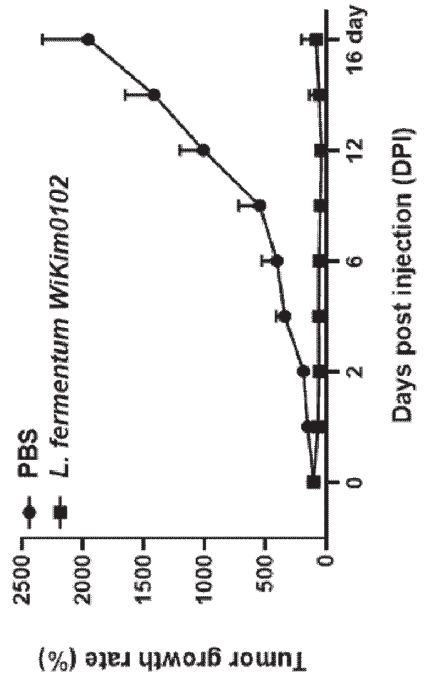

Tumor growth rate (%)
PBS
L. fermentum WiKim0102 (single)
L. fermentum WiKim0102 (serial)
2500
2000
1500
1000
500
0
0
3
6
10
14
20 day
Days post injection (DPI)

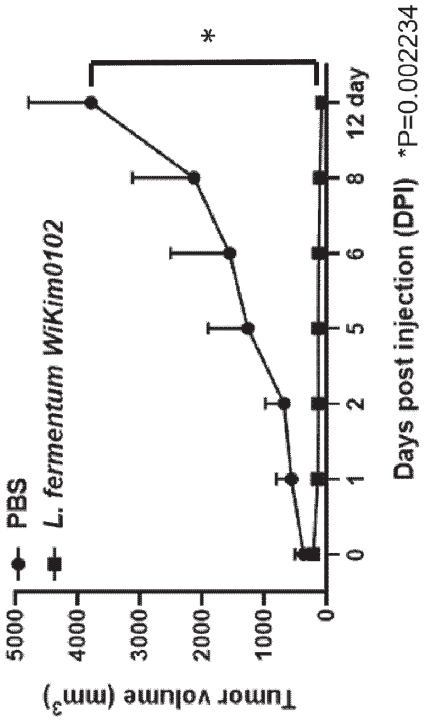

Tumor volume (mm3)
PBS
L. fermentum WiKim0102 (single)
L. fermentum WiKim0102 (serial)
3000
2500
2000
1500
1000
500
0
*
**
0
4
10
18 day
Days post injection (DPI)
*P=0.002487
**P=0.001230

【FIG. 3】

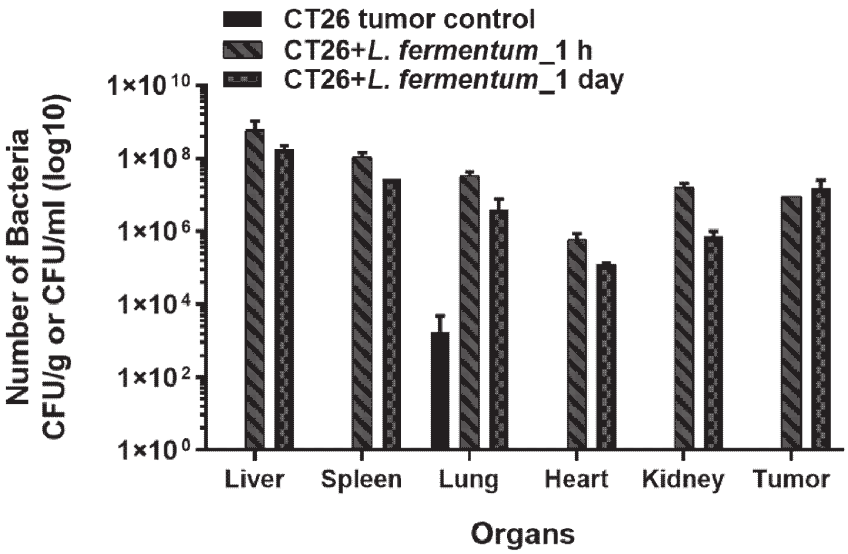


【FIG. 4】

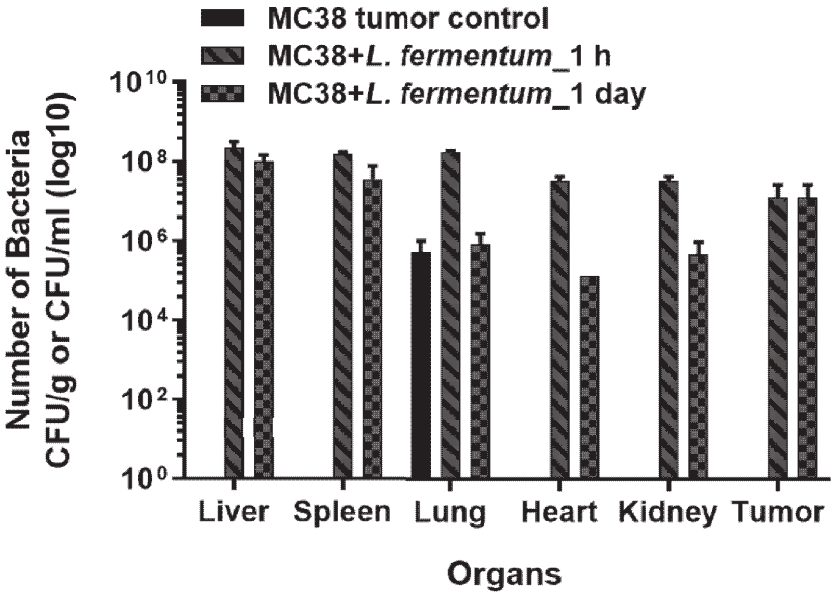

Tumor growth rate (%)
2500
2000
1500
1000
500
0
PBS
L. fermentum WiKim0102
0
2
6
12
16 day
Days post injection (DPI)


Tumor volume (mm³)
5000
4000
3000
2000
1000
0
PBS
L. fermentum WiKim0102
*
0
1
2
5
6
8
12 day
Days post injection (DPI)
*P=0.002234

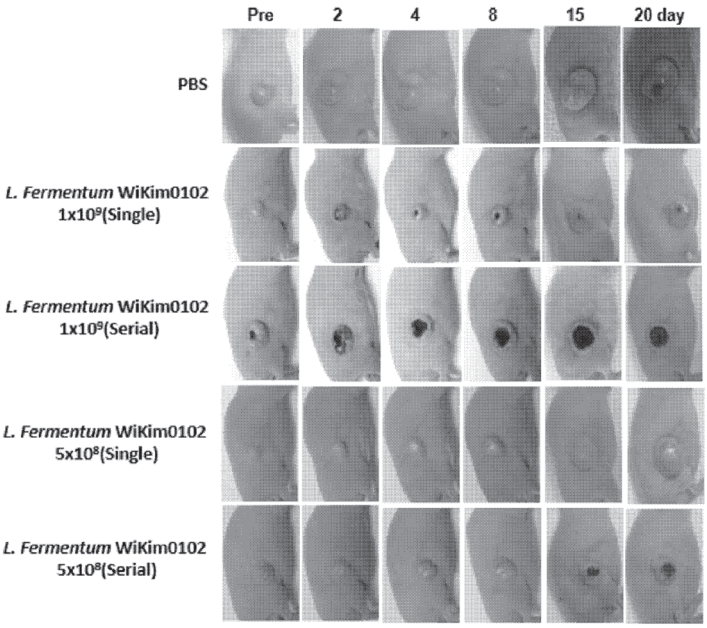
【FIG. 5】


CT26 tumor control
CT26+L. fermentum_1 h
CT26+L. fermentum_1 day
Number of Bacteria
CFU/g or CFU/ml (log10)
1×10^10
1×10^8
1×10^6
1×10^4
1×10^2
1×10^0
Liver
Spleen
Lung
Heart
Kidney
Tumor
Organs

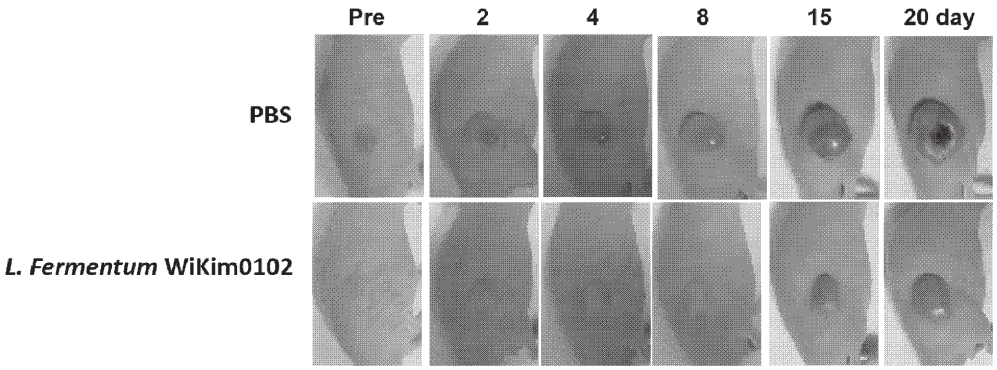
【FIG. 6】


MC38 tumor control
MC38+L. fermentum_1 h
MC38+L. fermentum_1 day
Number of Bacteria
CFU/g or CFU/ml (log10)
10^10
10^8
10^6
10^4
10^2
10^0
Liver
Spleen
Lung
Heart
Kidney
Tumor
Organs

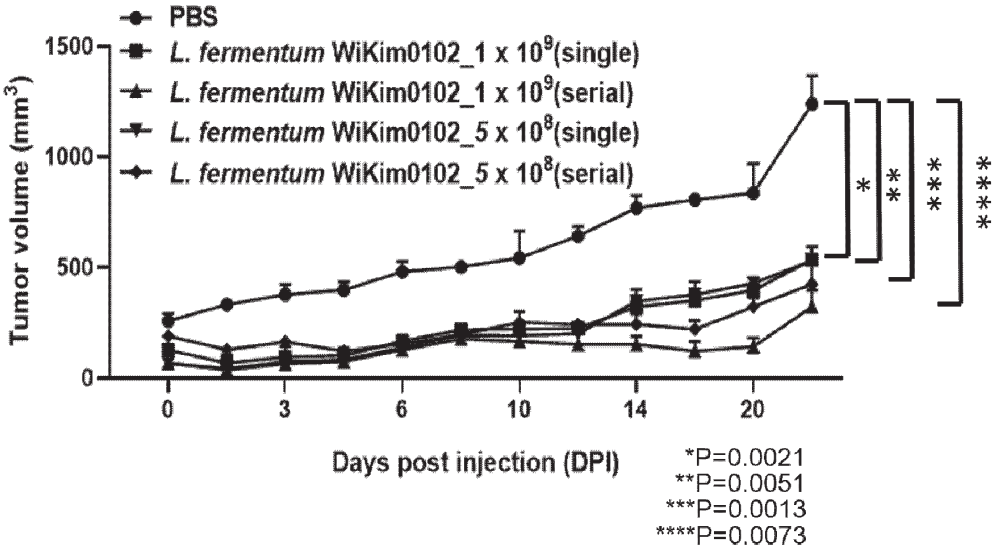
【FIG. 7】


Pre
2
4
8
15
20 day
PBS
L. Fermentum WiKim0102 1x10⁹(Single)
L. Fermentum WiKim0102 1x10⁹(Serial)
L. Fermentum WiKim0102 5x10⁸(Single)
L. Fermentum WiKim0102 5x10⁸(Serial)

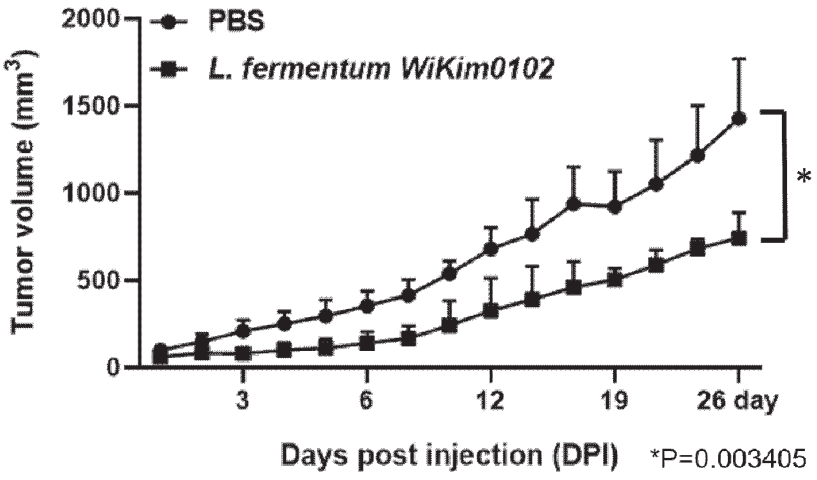
【FIG. 8】


Pre
2
4
8
15
20 day
PBS
L. Fermentum WiKim0102

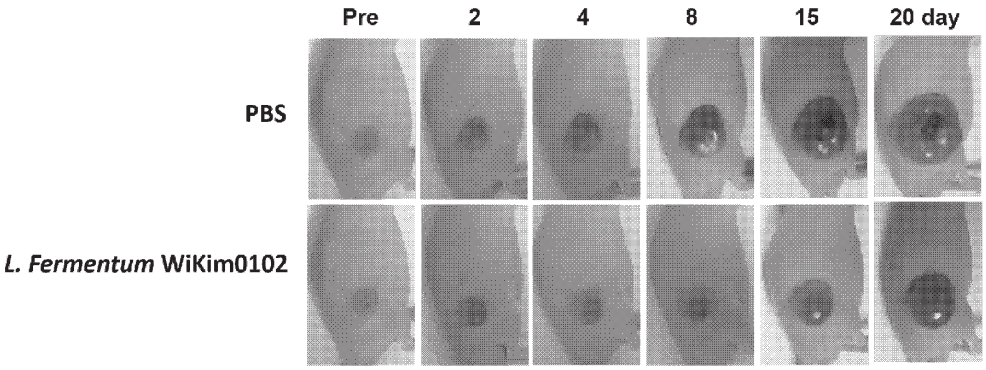
【FIG. 9】


PBS
L. fermentum WiKim0102_1 x 10^9(single)
L. fermentum WiKim0102_1 x 10^9(serial)
L. fermentum WiKim0102_5 x 10^9(single)
L. fermentum WiKim0102_5 x 10^8(serial)
Tumor volume (mm^3)
1500
1000
500
0
0
3
6
10
14
20
Days post injection (DPI)
*
**
***
****
*P=0.0021
**P=0.0051
***P=0.0013
****P=0.0073

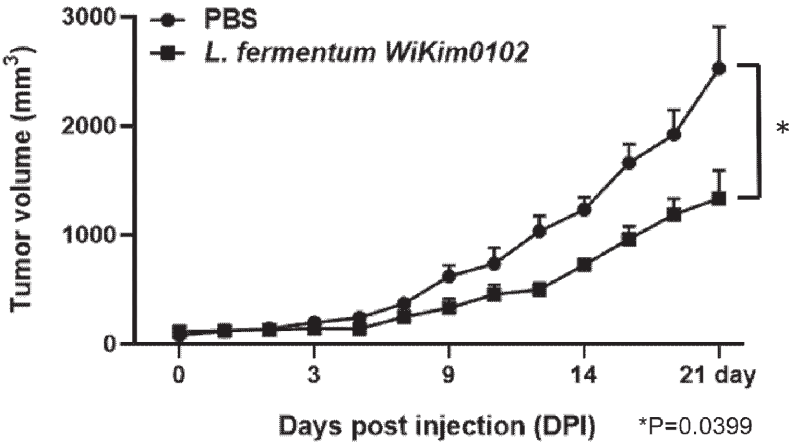
【FIG. 10】


PBS
L. fermentum WiKim0102
Tumor volume (mm^3)
2000
1500
1000
500
0
3
6
12
19
26 day
Days post injection (DPI)
*
*P=0.003405

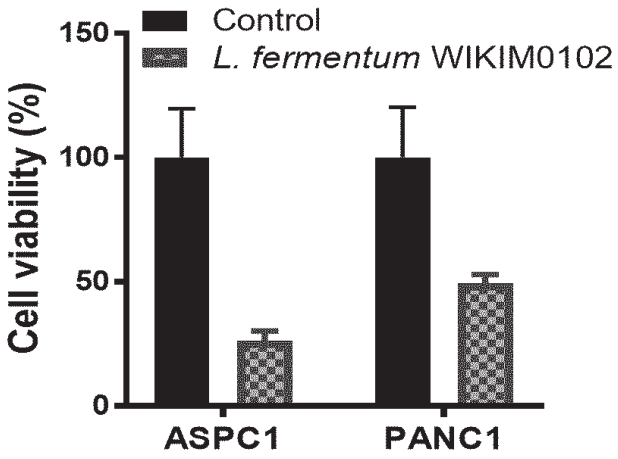
【FIG. 11】


Pre
2
4
8
15
20 day
PBS
L. Fermentum WiKim0102

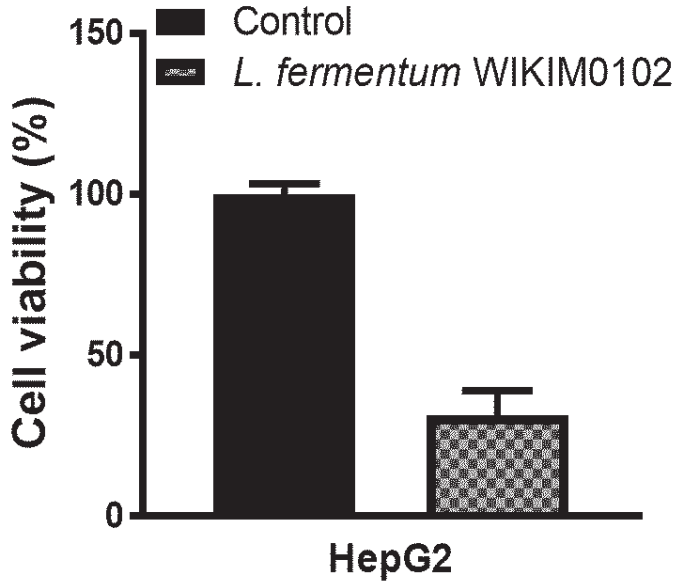
【FIG. 12】


3000
2000
1000
0
Tumor volume (mm3)
PBS
L. fermentum WiKim0102
*
0
3
9
14
21 day
Days post injection (DPI)
*P=0.0399

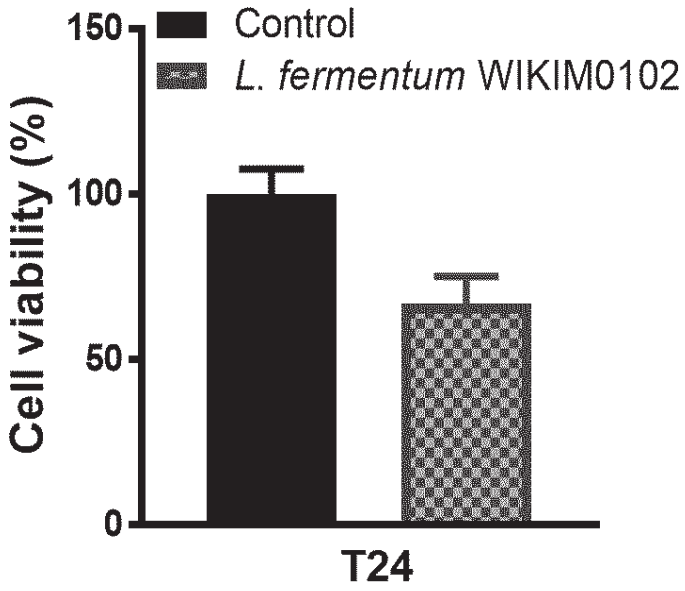
【FIG. 13】


Control
L. fermentum WIKIM0102
Cell viability (%)
150
100
50
0
ASPC1
PANC1

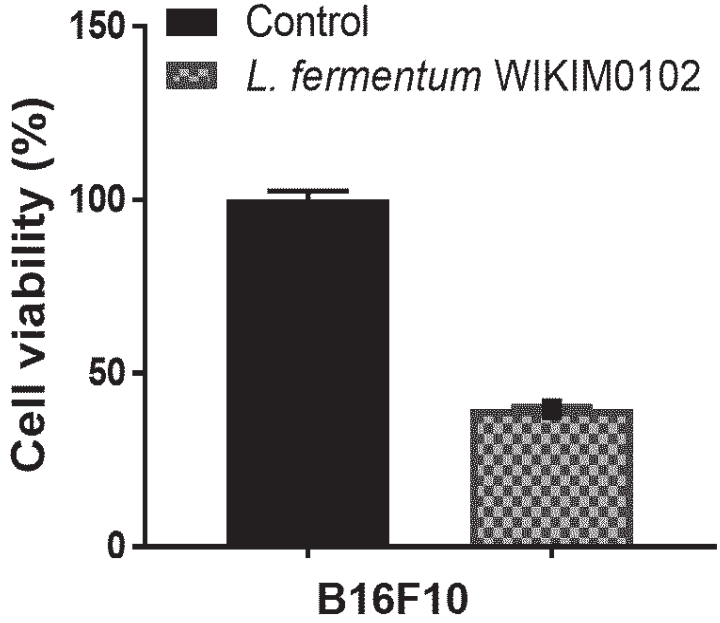
【FIG. 14】


Control
L. fermentum WIKIM0102
Cell viability (%)
150
100
50
0
HepG2

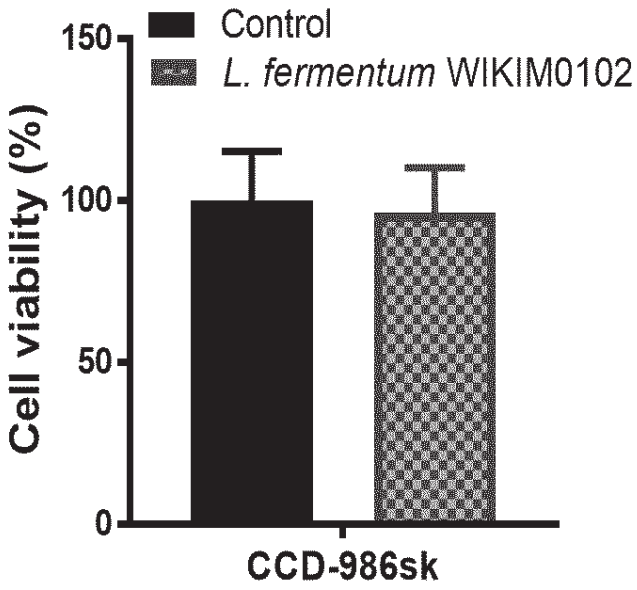
【FIG. 15】


150
100
50
0
Cell viability (%)
Control
L. fermentum WIKIM0102
T24

【FIG. 16】


150
100
50
0
Cell viability (%)
Control
L. fermentum WIKIM0102
B16F10

【FIG. 17】


Control
L. fermentum WIKIM0102
Cell viability (%)
150
100
50
0
CCD-986sk