**Supplementary information**

**Figure S2**

**Dose dependent and strain-dependent anti-obesity effects of *Lactobacillus sakei* in a diet induced obese murine model**

Yosep Ji1\*, Young Mee Chung2\*, Soyoung Park1\*, Dahye Jeong2, Bongjoon Kim2, Wilhelm H. Holzapfel1

1Department of Advanced Green Energy and Environment, Handong Global University, Pohang, Gyungbuk 37554, South Korea;

2Beneficial microbes center, CJ Foods R&D, CJ CheilJedang Corporation, Suwon-si, South Korea

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***L. sakei* LS03** | ***L. sakei* L338** | ***L. sakei* L446** |
| **Growth curve** |  |  |  |
| **Plate counting results** | **hours** | **CFU (log)** | **hours** | **CFU (log)** | **hours** | **CFU (log)** |
| 13 | 8.03 | 8 | 8.08 | 8 | 8.19 |
| 11 | 7.48 | 6 | 7.74 | 6 | 7.82 |
| 9 | 6.77 | 4 | 7.11 | 4 | 6.81 |
| 7 | 6.45 | 2 | 6.79 | 2 | 5.90 |
| **Equation** | y = 0.626x+5.782(y = CFU in log; x = O.D) | y = 0.4054x+6.3589(y = CFU in log; x = O.D) | y = 0.7675x+4.9868(y = CFU in log; x = O.D) |

**Supplementary Figure 2** Equation, growth curves and plate counting results for *L. sakei* LS03, *L. sakei* L338 and *L. sakei* L446.