

Table S1 The results of repeated measures ANOVA about body weight changes of mice after administration of *L. plantarum* CCFM8661 and/or dichlorvos

|                                  | Repeat measurement F test |        |         |
|----------------------------------|---------------------------|--------|---------|
|                                  | Degree of freedom         | F      | p       |
| Treated group main effect        | 4                         | 133.36 | p<0.001 |
| Measurement time main effect     | 4.39                      | 501.97 | p<0.001 |
| Treated group * Measurement time | 17.56                     | 9.21   | p<0.001 |

Table S2 The results of paired comparison test about body weight changes of mice after administration of *L. plantarum* CCFM8661 and/or dichlorvos

| Paired comparison test between treated groups   |                  |      |
|---|------------------|------|
| Treated group                                   | Treated group    | p    |
| NC  | TD               | .000 |
|   | LP               | .000 |
|   | MP               | .000 |
|   | HP               | .000 |
|   | NC               | .000 |
| TD  | LP               | .001 |
|   | MP               | .000 |
|   | HP               | .000 |
|   | NC               | .000 |
| LP  | TD               | .001 |
|   | MP               | .006 |
|   | HP               | .000 |
|   | NC               | .000 |
| MP  | TD               | .000 |
|   | LP               | .006 |
|   | HP               | .786 |
|   | NC               | .000 |
| HP  | TD               | .000 |
|   | LP               | .000 |
|   | MP               | .786 |
| Paired comparison test between measurement time |                  |      |
| Measurement time                                | Measurement time | p    |
| 0 d   | 5 d              | .000 |
|   | 10 d             | .000 |
|   | 15 d             | .000 |
|   | 20 d             | .000 |
|   | 25 d             | .000 |
|   | 30 d             | .000 |
| 5 d   | 0 d              | .000 |
|   | 10 d             | .000 |
|   | 15 d             | .000 |
|   | 20 d             | .000 |
|   | 25 d             | .000 |
|   | 30 d             | .000 |
| 10 d  | 0 d              | .000 |
|   | 5 d              | .000 |
|   | 15 d             | .000 |
|   | 20 d             | .000 |
|   | 25 d             | .000 |
|   | 30 d             | .000 |
| 15 d  | 0 d              | .000 |
|   | 5 d              | .000 |
|   | 10 d             | .000 |
|   | 20 d             | .000 |
|   | 25 d             | .000 |
|   | 30 d             | .000 |
| 20 d  | 0 d              | .000 |
|   | 5 d              | .000 |

|      |      |      |
|------|------|------|
|      | 10 d | .000 |
|      | 15 d | .000 |
|      | 25 d | .001 |
|      | 30 d | .000 |
|      | 0 d  | .000 |
|      | 5 d  | .000 |
| 25 d | 10 d | .000 |
|      | 15 d | .000 |
|      | 20 d | .001 |
|      | 30 d | .760 |
|      | 0 d  | .000 |
|      | 5 d  | .000 |
| 30 d | 10 d | .000 |
|      | 15 d | .000 |
|      | 20 d | .000 |
|      | 25 d | .760 |

---