

Figure Legends

Table. S1. Differential metabolites identified in *L. monocytogenes* by pairwise OPLS-DA comparisons of the control with US, LVA, and US_LVA treatments.

Table. S2. Validation of LVA neutralization efficacy and host-cell cytotoxicity.

Fig. S1. Permutation test validation of the pairwise OPLS-DA models in *L. monocytogenes*: (A) Control vs US, (B) Control vs LVA, and (C) Control vs US_LVA.