

**Supplemental figure 1** Body weight changes following the oral vaccinations. The body weights of the mice (n=5 per group) were measured weekly. The mice were treated with B.  $longum\ 420$ , B.  $longum\ 2012$ , or PBS. Each data point represents the average of each group (bars,  $\pm$ SE). The mean body weight of each treatment group showed normal growth and there were no significant differences among the groups.