

**Figure S3.** The composition of microbial communities identified in the guts of *G. mellonella* larvae. Each chart represents a sequenced sample, obtained by pooling three larval guts. a) Microbial community from the guts of larvae feeding on artificial food with no antibiotic. Firmicutes is the only phylum present in the gut. The gut community is dominated by *Enterococcus mundtii* and closely-related Enterococcaceae. b) Five different bacterial phyla are present in the guts of larvae feeding on artificial food containing oxytetracycline at 400 mg/100 g food. Genus Enterococcaceae is not the only genus present in the phylum Firmicutes. Only phylogenetic groups with abundance over 1% have been shown.

