

### **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Human gut metagenomes of the 3CGC collection that contain the bacteriocin A (bacteriocin A tab) or the bacteriocin B (bacteriocin B tab) gene.

File Name: Supplementary Data 2

Description: Similarity matrices of each of the bacteriocin-related protein families (bacteriocins, non-redundant bacteriocins, TM proteins, thiol oxidoreductases, and ABC transporters) with each other.