

Figure S3 Inter- and intra-individual variations of the gut microbiota of the 33 giant pandas that were sampled in all three seasons. (A) Inter-individual variations were determined by average unweighted UniFrac distances between individuals in T1, T2, or T3, respectively, while intra-individual variations were determined by distances between paired T1 and T2, T2 and T3, T1 and T3 samples, respectively. Mean \pm SEM values are shown. *P < 0.05, **P < 0.01, **** P < 0.001 (Student's t-test with 1,000 Monte Carlo permutations). (B) Trajectory of the gut microbiota structure of each giant panda individual across seasons. The PC scores of T1 samples were set to zero, and the relative scores of T2 and T3 samples corresponding to their paired T1 samples were plotted. The animal IDs are shown. A, adult; J, juvenile; F, female; M, male.