

SUPPLEMENTARY DATA

Table S1. Summary of the MiSeq data and the diversity indices

Samples	Valid reads	OTUs	Shannon	ACE	Chao1
C-Jejunum1	32856	379	2.97	460 (433,501)	460 (427,515)
C-Jejunum2	30277	400	3.01	461 (439,494)	463 (436,510)
C-Jejunum3	40872	406	2.73	514 (480,564)	501 (465,560)
A-Jejunum1	33541	439	3.56	527 (498,571)	511 (483,559)
A-Jejunum2	30402	396	3.63	467 (442,506)	459 (432,505)
A-Jejunum3	35586	389	3.56	438 (420,469)	451 (423,502)
C-Ileum1	30088	536	4.08	603 (580,636)	616 (584,668)
C-Ileum2	41783	174	0.82	397 (341,473)	266 (226,335)
C-Ileum3	37636	324	2.2	421 (387,471)	436 (390,514)
A-Ileum1	42481	427	3.77	477 (459,508)	485 (459,532)
A-Ileum2	36678	260	1.12	359 (325,413)	363 (320,437)
A-Ileum3	37998	329	3.38	376 (357,406)	383 (358,431)
C-Cecum1	29635	223	1.4	290 (264,331)	277 (252,322)
C-Cecum2	33334	300	2.95	397 (363,451)	394 (354,463)
C-Cecum3	29705	471	3.62	568	566

				(537,613)	(530,625)
A-Cecum1	27384	379	3.72	432	441
				(412,465)	(413,492)
A-Cecum2	33235	370	2.97	437	434
				(413,474)	(407,481)
A-Cecum3	34161	377	3.59	434	444
				(413,469)	(414,499)
C-Colon1	31342	382	3.82	467	490
				(447,500)	(455,554)
C-Colon2	26642	413	3.54	432	444
				(413,463)	(416,497)
C-Colon3	34507	387	4.34	442	466
				(424,471)	(434,525)
A-Colon1	27359	411	3.82	467	490
				(447,500)	(455,554)
A-Colon2	35124	383	3.54	432	444
				(413,463)	(416,497)
A-Colon3	25897	397	4.34	442	466
				(424,471)	(434,525)

OTUs, operational taxonomic units (97% identity); ACE, abundance-based coverage estimator; C-, control group; A-, antibiotics group.

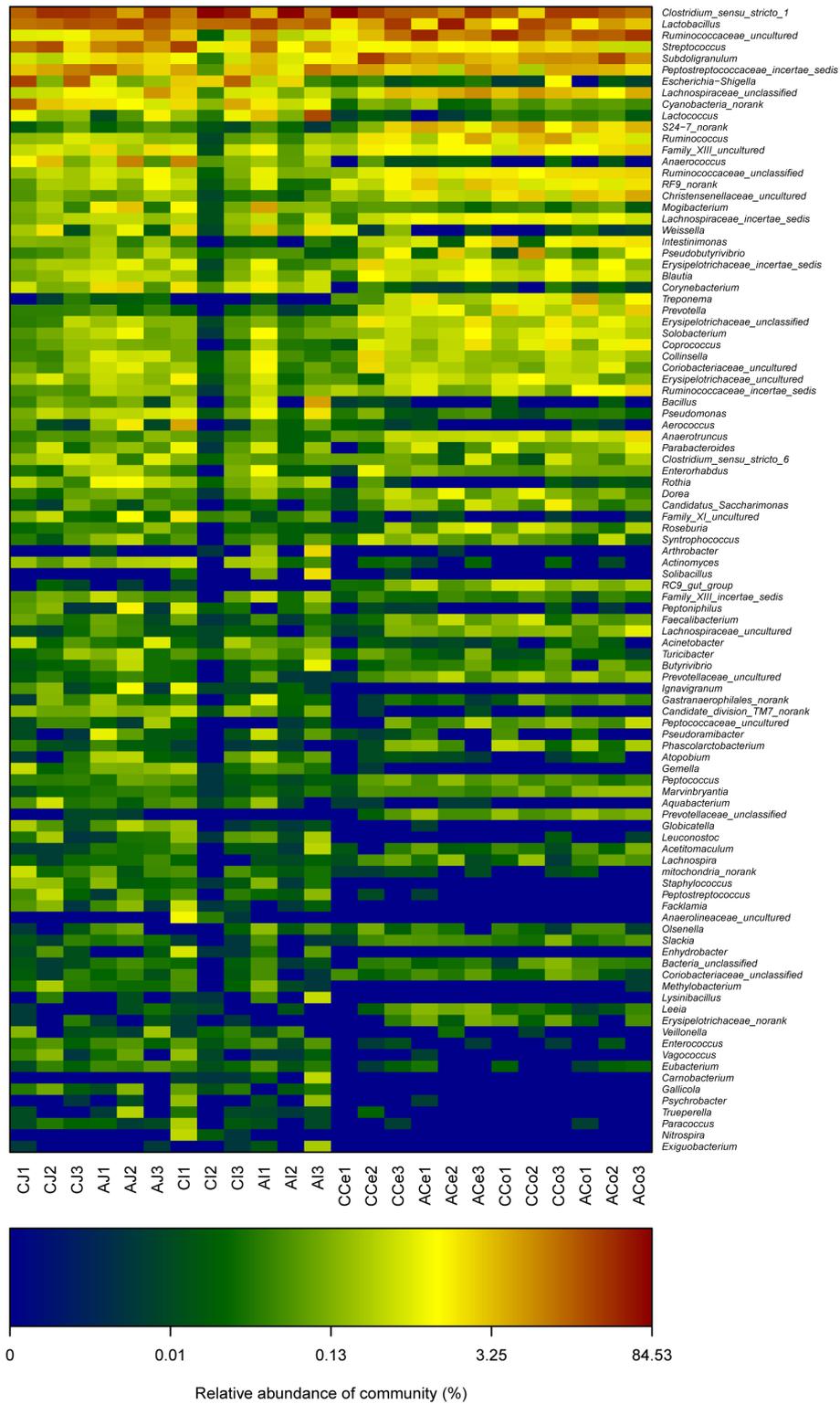


Figure S1. The heat map showing different abundances of genera between the control and antibiotic groups. The relative levels of abundance are depicted visually from blue to red; blue represents the lowest abundance (min = 0%), whereas red represents the highest level of abundance. Each column represents samples, and each row corresponds to a genus.

PCA

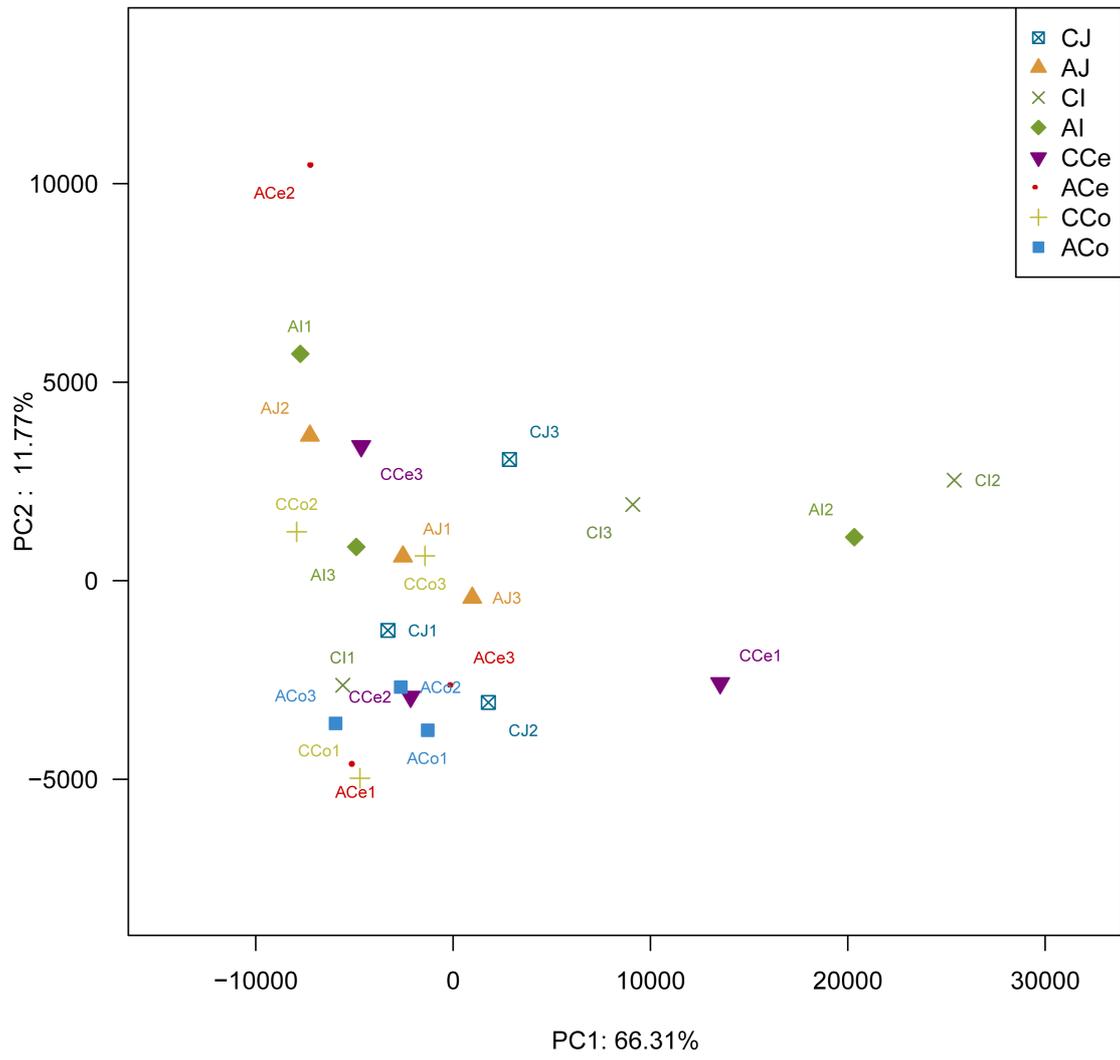


Figure S2. PCA(Principal Component Analysis) of 24 samples

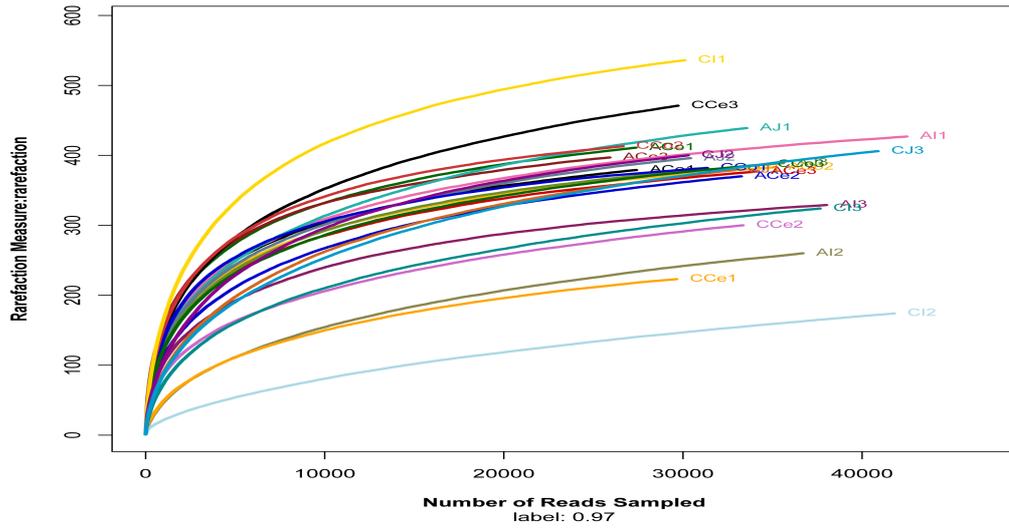


Figure S3. Rarefaction analysis of 24 samples