

Supplementary Table 1A. Fecal microbiota composition by taxonomy following antibiotic regimens.

			Fidaxomicin							Vancomycin							
			Day 0	Day 3	Day 5	Day 8	Day 12	Day 16	Day 22	Day 0	Day 3	Day 5	Day 8	Day 12	Day 16	Day 22	
Firmicutes	Bacilli	Bacillales	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.08	0.00	0.00	0.01	0.00	0.00	
		Lactobacillales	Enterococcus	0.00	0.00	0.33	0.00	0.00	0.00	0.01	0.00	0.11	13.70	0.17	0.02	0.00	0.00
			Lactobacillus	13.81	3.05	15.66	11.76	14.30	28.66	11.22	16.07	28.67	3.17	3.58	8.08	14.47	15.75
			Streptococcus	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.00
	Clostridia	Other Clostridiales		21.72	0.04	0.04	0.21	0.35	1.21	7.07	19.89	0.06	0.03	1.97	6.84	15.15	5.60
		Lachnospiraceae	Other	0.03	0.00	0.00	0.02	0.18	0.05	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.05
			Blautia	0.38	0.00	0.00	1.10	4.60	0.96	1.92	0.71	0.00	0.00	0.05	1.11	0.63	1.27
			Other	8.18	0.18	1.90	7.03	6.60	3.89	6.75	6.22	0.00	0.00	1.62	7.20	6.60	8.47
		Ruminococcaceae	Roseburia	0.06	0.00	0.00	0.08	0.06	0.00	0.05	0.03	0.00	0.00	0.00	0.12	0.04	0.30
			Other Peptococcaceae		0.05	0.00	0.00	0.00	0.09	0.02	0.04	0.05	0.00	0.00	0.00	0.00	0.00
		Other Peptostreptococcaceae		11.42	0.01	0.00	1.41	0.23	0.00	3.00	7.29	0.02	2.56	2.32	1.57	0.61	0.27
		Ruminococcaceae	Anaerotruncus	0.10	0.00	0.00	0.00	0.06	0.00	0.02	0.04	0.00	0.00	0.00	0.01	0.10	0.03
			Other	5.09	0.00	0.15	0.54	2.70	1.29	2.23	2.29	0.00	0.00	1.10	5.89	2.20	2.14
		Other Clostridiales		0.17	0.00	0.00	0.04	0.21	0.07	0.06	0.01	0.35	0.89	0.02	0.11	0.12	0.56
Other Erysipelotrichaceae		25.15	80.54	70.93	67.47	49.88	38.25	41.85	18.79	0.06	39.28	78.70	53.31	41.34	53.83		
Non Firmicutes	Actinobacteria		7.78	0.47	2.55	1.74	9.83	15.44	5.51	17.66	0.06	8.32	9.62	9.50	17.26	9.73	
	Bacteroidetes		6.01	6.69	4.70	8.32	10.80	10.11	20.18	10.89	0.00	0.01	0.35	5.74	1.34	1.62	
	Enterobacter		0.00	9.00	3.74	0.25	0.00	0.00	0.00	0.00	70.16	31.97	0.39	0.02	0.08	0.04	
	Other		0.05	0.01	0.00	0.01	0.10	0.05	0.02	0.05	0.40	0.06	0.10	0.43	0.08	0.34	

Supplementary Table 1B. Colonic microbiota composition by taxonomy following antibiotic regimens.

			Fidaxomicin						Vancomycin						
			Day 4	Day 6	Day 9	Day 13	Day 17	Day 23	Day 4	Day 6	Day 9	Day 13	Day 17	Day 23	
Firmicutes	Bacilli	Bacillales	0.01	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.01	0.03	0.00	0.00	
		Lactobacillales	Enterococcus	0.20	0.20	0.02	0.00	0.00	0.00	0.99	4.25	0.04	0.08	0.00	0.00
			Lactobacillus	6.62	4.55	13.15	24.73	11.02	12.33	32.10	1.72	4.17	3.84	24.12	11.61
			Streptococcus	0.04	0.04	0.00	0.01	0.00	0.01	0.07	0.02	0.00	0.04	0.00	0.00
	Clostridia	Other Clostridiales		0.00	0.08	0.21	0.13	3.35	7.52	0.01	0.09	3.86	9.20	16.72	7.14
		Lachnospiraceae	Other	0.00	0.03	0.06	0.55	0.24	0.09	0.00	0.00	0.14	0.04	0.00	0.12
			Blautia	0.00	0.14	0.43	1.16	3.92	3.24	0.00	0.00	0.13	2.17	0.32	1.40
			Other	1.09	5.35	8.96	10.14	8.76	8.82	0.00	0.41	5.70	13.24	7.83	14.50
		Ruminococcaceae	Roseburia	0.00	0.04	0.02	0.05	0.11	0.16	0.00	0.00	0.18	0.06	0.02	0.76
			Other Peptococcaceae		0.00	0.00	0.00	0.11	0.08	0.07	0.00	0.00	0.00	0.02	0.01
		Other Peptostreptococcaceae		0.01	0.01	1.48	0.46	0.00	2.05	0.00	1.99	1.60	4.39	0.49	0.36
		Ruminococcaceae	Anaerotruncus	0.01	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.00	0.29	0.07	0.04
			Other	0.00	0.20	1.32	2.99	5.86	3.00	0.00	0.00	1.90	6.17	1.25	4.96
Other Clostridiales		0.00	0.10	0.01	0.01	0.39	0.21	0.09	0.22	0.11	0.37	0.18	0.21		
Other Erysipelotrichaceae		59.15	65.01	60.29	35.00	37.26	43.02	0.03	64.69	73.74	45.30	30.85	47.31		
Non Firmicutes	Actinobacteria		4.75	1.20	1.42	2.41	9.74	3.30	0.05	19.50	6.27	6.30	15.21	8.51	
	Bacteroidetes		5.77	14.07	12.52	22.11	19.13	16.03	0.01	0.00	1.74	5.88	2.31	2.46	
	Enterobacter		22.27	8.96	0.08	0.01	0.00	0.02	66.55	7.10	0.16	0.12	0.05	0.02	
	Other		0.08	0.02	0.04	0.10	0.11	0.09	0.09	0.00	0.27	2.47	0.57	0.57	