

Supplemental Material to:

Yongfei Hu, Xi Yang, Na Lu, and Baoli Zhu

The abundance of antibiotic resistance genes in human guts has correlation to the consumption of antibiotics in animal

Gut Microbes 2013; 5(2)

<http://dx.doi.org/10.4161/gmic.27916>

**[http://www.landesbioscience.com/journals/gutmicrobes/
article/27916/](http://www.landesbioscience.com/journals/gutmicrobes/article/27916/)**

Supplementary Table 1 Antibiotic resistance gene types identified in the Japanese and the US

Resistance gene type	Sample Name (Japan)													Resistance gene type								
	F1U	INM	F2V	F2\	F2\	INF	F17	INI	F1S	F2V	IN/	INE	INE		TS3	TS5	TS6	TS7	TS9	TS1	TS2	
bacA	1	1	1	1	1	1	1	1	1	1	1	1	0	tetw	1	1	1	1	1	1	1	
tetO	0	1	0	1	1	1	1	1	1	1	1	0	1	bcra	1	1	1	1	1	1	1	
tetq	0	0	1	1	1	1	1	1	1	1	1	0	0	bacA	1	1	1	1	1	1	1	
tetw	0	0	1	1	1	1	1	1	1	1	0	0	1	macb	1	1	1	1	1	1	1	
acrb	1	1	1	0	0	1	1	1	1	0	0	0	0	tetO	1	1	1	1	1	1	1	
tet32	0	0	1	1	1	1	0	0	1	0	1	0	0	tetq	1	1	1	1	1	1	1	
vanrg	0	0	0	1	1	0	1	1	0	1	0	0	1	bl2e_cfxa	1	1	1	1	1	1	1	
ermb	1	0	0	1	1	0	1	1	0	0	1	0	0	tet32	1	1	1	1	1	1	1	
ermf	0	0	1	1	0	1	0	1	0	1	1	0	0	tet37	1	1	1	1	1	1	1	
rosa	1	1	0	0	1	1	0	0	1	0	0	0	0	acrb	1	1	1	1	1	1	1	
tet40	0	0	0	0	1	1	1	0	1	0	1	0	0	bl2e_cepA	1	1	1	1	1	1	1	
bl2e_cbla	0	0	0	1	1	1	0	0	1	0	0	0	0	rosa	1	1	1	1	1	1	1	
macb	1	1	0	0	0	0	0	1	0	0	0	1	0	amrb	1	1	1	1	1	1	1	
tet34	1	1	1	0	0	1	0	0	0	0	0	0	0	mexd	1	1	1	1	1	1	1	
ant6ia	0	0	0	0	0	1	1	1	0	0	0	0	0	vanra	1	1	1	1	1	1	1	
bl1_ec	1	0	1	0	0	0	0	0	0	0	0	1	0	vanrg	1	1	1	1	1	1	1	
bl2e_cepA	0	0	1	0	0	1	0	0	0	0	1	0	0	vanrd	1	1	1	1	1	1	1	
mdtI	1	1	1	0	0	0	0	0	0	0	0	0	0	bl2e_cbla	1	1	1	0	1	1	1	
pbp2	1	1	1	0	0	0	0	0	0	0	0	0	0	mdtF	1	1	1	1	0	1	1	
ermg	0	0	0	1	0	0	0	0	1	1	0	0	0	mexf	1	1	1	1	1	1	1	
ermx	0	1	0	1	0	0	0	0	0	0	0	0	1	mefa	1	1	1	1	0	1	1	
mdte	1	1	0	0	0	0	0	0	0	0	0	1	0	smee	1	1	1	1	1	1	1	
mdtF	1	1	0	1	0	0	0	0	0	0	0	0	0	mexy	1	1	1	1	1	1	1	
mdtg	1	1	0	1	0	0	0	0	0	0	0	0	0	vansa	1	1	0	1	1	1	1	
mdth	1	0	1	0	0	0	1	0	0	0	0	0	0	ant6ia	0	1	1	1	1	1	1	
mdto	1	1	0	1	0	0	0	0	0	0	0	0	0	tet40	1	1	0	1	1	0	1	
tolc	1	1	0	0	0	0	0	0	0	1	0	0	0	vang	1	1	1	0	1	1	0	
vanra	0	1	1	0	0	1	0	0	0	0	0	0	0	catb3	0	1	1	0	1	0	1	
arna	1	0	0	0	0	0	1	0	0	0	0	0	0	rosb	1	1	1	0	1	0	1	
cata11	0	0	0	0	0	0	1	1	0	0	0	0	0	mexb	1	1	1	1	1	1	1	
ceob	1	0	0	0	1	0	0	0	0	0	0	0	0	vansd	1	1	1	0	1	1	0	
mefa	0	0	0	0	0	0	0	0	0	1	0	1	0	ceob	0	1	1	0	1	1	1	
rosb	1	0	0	0	0	0	1	0	0	0	0	0	0	smeb	1	1	1	1	0	0	1	
tet37	0	0	1	0	0	0	0	0	0	1	0	0	0	tetm	0	0	1	1	0	0	0	
tetc	0	0	1	0	1	0	0	0	0	0	0	0	0	vanrc	1	1	1	1	0	0	0	
tetm	0	1	0	0	0	0	0	0	0	0	0	0	1	vanug	0	0	1	1	1	0	1	
tetx	0	0	0	0	0	0	0	0	1	0	1	0	0	vatb	0	1	1	1	1	1	1	
aac6ie	1	0	0	0	0	0	0	0	0	0	0	1	0	ermb	1	1	0	1	1	1	1	
acra	1	0	0	1	0	0	0	0	0	0	0	0	0	vanyb	0	0	1	1	1	0	1	
bl1_cmy2	1	0	0	1	0	0	0	0	0	0	0	0	0	ermg	1	1	0	1	1	0	1	
mdtk	1	0	1	0	0	0	0	0	0	0	0	0	0	catb1	1	0	1	0	1	1	0	
bl2_len	1	0	0	0	0	0	0	0	0	0	0	0	0	lnua	1	0	1	0	1	0	1	
bl2e_cfxa	0	0	0	0	0	0	0	0	0	0	1	0	0	tetx	1	1	1	1	1	0	0	
cata1	0	0	0	0	1	0	0	0	0	0	0	0	0	cara	0	0	1	1	0	1	0	
cata13	0	0	0	0	0	0	0	1	0	0	0	0	0	lsa	1	0	1	1	1	1	0	
cata14	0	0	0	0	0	0	0	1	0	0	0	0	0	vansg	0	0	1	1	1	1	0	
pbp1a	1	0	0	0	0	0	0	0	0	0	0	0	0	vanwg	0	0	1	1	0	0	0	

samples

Sample Name (The US)

TS1	TS2	TS1	TS1	TS2	TS1	TS2	TS2	TS2	TS2	TS2	sub1	TS2	sub7
1	1	1	1	1	1	0	1	1	1	1	1	1	1
1	1	1	1	1	1	1	0	1	1	1	1	0	1
1	1	1	1	1	0	1	1	1	1	1	0	1	0
1	1	1	1	1	1	1	1	1	1	1	0	0	0
1	1	1	1	1	0	0	1	1	1	1	1	0	1
1	1	1	1	1	1	1	1	1	1	1	0	0	0
1	1	1	0	0	1	1	1	0	1	0	1	0	0
1	1	1	1	1	1	0	0	1	0	1	0	0	0
1	1	1	1	1	1	1	1	1	0	0	0	0	0
1	1	1	1	1	1	0	1	1	0	0	0	0	0
1	0	1	1	0	0	1	1	1	0	0	0	0	0
1	0	1	0	1	1	0	1	1	0	0	0	0	0
1	1	1	0	1	0	0	1	0	0	0	0	0	0
1	0	1	1	1	1	1	0	0	0	0	0	0	0
1	1	1	1	0	1	0	1	0	0	0	0	0	0
1	1	1	1	0	0	0	0	0	0	1	0	0	0
1	1	0	0	0	0	0	0	1	1	0	1	0	0
1	1	1	0	1	1	0	0	0	0	0	0	0	0
0	0	1	1	1	1	0	0	1	0	0	0	0	0
1	0	1	0	1	1	0	0	0	0	0	0	0	0
1	0	0	0	0	0	1	1	0	0	1	0	0	0
1	0	0	1	0	1	0	0	0	0	0	0	0	0
1	0	1	0	0	0	1	0	0	0	0	0	0	0
1	0	0	1	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	1	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	1	1	0	0	0	0	0	0	0	0
0	1	1	1	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	1	0	0	0	1	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	1	0	0	0	0	0	0	0
1	1	0	0	0	0	1	1	0	0	0	0	1	0
1	0	0	1	0	0	0	0	0	0	1	0	0	0
1	1	0	0	0	0	0	0	1	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	1	0	0	0	0	0	0	0

0	0	0	1	0	0	0	0	1	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	1	0	0	0	0	1	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

41	28	27	24	22	18	16	15	15	13	7	4	4
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