

<i>Escherichia coli</i>											
	Betadispersion	PERMANOVA		#Antibiotic relative MIC fold change-based SIMPER (% Contribution)							Sum
Carbapenem Rensitive	<i>p</i> -value	Sig	<i>p</i> -value	Penicillins (aminopenicillins) Sig Ampicillin	3rd/4th Gen Cephalosporins Ceftazidime	Cefepime	Carbapenems Meropenem	Monobactams Aztreonam	Fluoroquinolones Ciprofloxacin	Aminoglycosides Gentamicin	Folate pathway inhibitors Trimethoprim/ Sulfamethoxazole
China vs Community (Hong Kong)	0.000323	*	0.003	*	*21.4		*11.7	*16.8	*13.3		*13.5
Taiwan vs Community (Hong Kong)	0.0148	.	0.153	.	*21.4						76.7
China vs Taiwan	0.9985		0.117						*16		21.4
ESBL											
Hong Kong vs Community (Hong Kong)	0.8409		0.006	*	23.5	*7.9	*17.6	*10.5	*14.3		*15.4
China vs Community (Hong Kong)	0.98		0.006	*	21.8	*9.6	*17	*13.7	*13		*15
Taiwan vs Community (Hong Kong)	2.07E-06	*	0.006	*	24.2	*11.7	*12.9	*9.9			*16.1
Taiwan vs Hong Kong	0.0011	*	0.012	.		20.1					74.8
Others											
Hong Kong vs Community (Hong Kong)	9.74E-10	*	0.006	*		5.2	4.8		*20.4	7.6	*23.7
China vs Community (Hong Kong)	9.74E-10	*	0.006	*	21.4	4.4	3.8		*27.8	6.6	*24.2
Taiwan vs Community (Hong Kong)	9.74E-10	*	0.006	*	22.7	4.7	4.2			6.2	*30.1
China vs Hong Kong	0.0218	.	0.006	*					*37.7	*7.6	*35.7
Taiwan vs Hong Kong	0.5781		0.048	.							*41.9

<i>Klebsiella pneumoniae</i>													
	Betadispersion	PERMANOVA		#Antibiotic relative MIC fold change-based SIMPER (% Contribution)									
Carbapenem Rensitive	<i>p</i> -value	Sig	<i>p</i> -value	Penicillins (aminopenicillin/bet a-lactamase inhibitors) Sig Amoxicillin/Clavula nic acid	Penicillins (aminopenicillins) Ampicillin	3rd/4th Gen Cephalosporins Ceftazidime	Cefepime	Carbapenems Meropenem	Imipenem	Monobactams Aztreonam	Fluoroquinolones Ciprofloxacin	Aminoglycosides Gentamicin	Folate pathway inhibitors Trimethoprim/ Sulfamethoxazole
China vs Community (Hong Kong)	0.9999		0.006	*		15.5				*15.5	*12		43
Taiwan vs Community (Hong Kong)	0.8236		0.03	.		17.2							17.2
China vs Hong Kong	0.01	.	0.012	.				*14.4					14.4
China vs Taiwan	0.017	.	0.006	*		*19.8		*12.9		*24.6			57.3
ESBL													
Hong Kong vs Community (Hong Kong)	0.059		0.006	*		25.2	*14.6			*9.7			*18
China vs Community (Hong Kong)	0.6566		0.006	*		21.8	*12.3	*13.7		*15.6	*11.4		*15.2
Taiwan vs Community (Hong Kong)	0.0951		0.006	*		21.7	*18.1			*14.7			*15.5
China vs Hong Kong	0.1281		0.006	*				*19.8		*21.6			41.4
Taiwan vs Hong Kong	0.7461		0.054			*21.4				*21.3			42.7
Others													
Hong Kong vs Community (Hong Kong)	0.0000	*	0.006	*		27.8		8.7	7.3	4.6	*11.8	5.1	*15.3
China vs Community (Hong Kong)	0.0000	*	0.006	*		28.6		9.4	7.4	5.3	*11.3	5.3	*13.1
Taiwan vs Community (Hong Kong)	0.0000	*	0.006	*		28.5		8.8	7.2	4.8	*8.1	5.8	*17.6
China vs Hong Kong	0.466		0.204	7		*5.4						*4.1	*4.9

<i>Staphylococcus aureus</i>								
	Betadispersion	PERMANOVA		#Antibiotic relative MIC fold change-based SIMPER (% Contribution)				Sum
MRSA or VRSA	<i>p</i> -value	Sig	<i>p</i> -value	Penicillins (aminopenicillins) Sig Ampicillin	Fluoroquinolones Levofloxacin	Lincosamides Clindamycin	Aminoglycosides Gentamicin	Macrolides Erythromycin
Hong Kong vs Community (Hong Kong)	0.000	*	0.006	*	*29.4	*16.1	8.1	7.4
China vs Community (Hong Kong)	0.000	*	0.006	*	*26.7	*10.6		*8
Taiwan vs Community (Hong Kong)	0.000	*	0.006	*	*26.6	*12.3	*11	*10
China vs Hong Kong	0.9412		0.006	*	19.3	*16.4		*37.4
Taiwan vs Hong Kong	0.9019		0.006	*	18.3	*14.1	*15.2	*38.5
Others								
Hong Kong vs Community (Hong Kong)	0.9997		0.006	*	*43	*6.6	9.5	5.6
China vs Community (Hong Kong)	0.00e+00	*	0.006	*	*34.9	*6.3	*9.8	*34.1
Taiwan vs Community (Hong Kong)	7.08e-05	*	0.006	*	*38.6		9.1	*9.7
China vs Hong Kong	0.0087	*	0.006	*			*6.8	*35
Taiwan vs Hong Kong	0.0505		0.006	*				*8.9

Sig: Significance. A p-value < 0.001 is denoted by ".", while a p-value < 0.05 is indicated by "*".
 #For pairs where the left group has higher mean relative MIC fold changes, the SIMPER contributions are indicated by "*".