

Table S1: Urine sample source by animal species, age and sex

	Dogs				Cats				
Age (whole years completed)	Female	Male	NR*	Total (% of dog samples)	Female	Male	NR*	Total (% of cat samples)	Grand Total (% of all samples)
0	188	33	1	222 (5.9)	11	14	0	25 (1.3)	247 (4.4)
1-3	289	90	10	389 (10)	87	90	3	180 (10)	569 (10)
4-6	347	124	5	476 (13)	104	82	1	187 (10)	663 (12)
7-9	622	235	4	861 (23)	121	77	4	202 (11)	1063 (57)
10-12	736	291	5	1032 (27)	197	100	2	299 (16)	1331 (24)
13-15	521	164	1	686 (18)	344	99	3	446 (24)	1132 (20)
16+	71	26	1	98 (2.6)	434	77	0	511 (28)	609 (11)
Total	2774	963	27		1298	539	13		
(% from that species)	(74)	(26)	(<1)	3764	(70)	(29)	(<1)	1850	5614

*NR = not recorded. Female and male categories include both entire and desexed animals

Table S2: Multiple resistance patterns in *E. coli*

	Resistance combinations detected	n	Proportion	Comments
Two	AMX + SXT	75	2.3%	Most frequent combination
	AMX + FQN	30	0.9%	
	AMX + LEX	16	0.5%	
	AMX + LEX + CVN	122	3.7%	
Three	AMX + FQN + SXT	24	0.7%	
Four	AMX + AMC + LEX + CVN	63	1.9%	Broadest resistance pattern detected
	AMX + LEX + CVN + SXT	22	0.7%	
	AMX + LEX + CVN + FQN	11	0.3%	
Five	AMX + LEX + CVN + FQN + SXT	24	0.7%	
	AMX + AMC + LEX + CVN + SXT	8	0.2%	
Six	AMX + LEX + CVN + TET + FQN	5	0.2%	
Ten	AMX + AMC + LEX + CVN + CLI + TET + FQN + GEN + TIC + SXT	1	0.03%	

Only combinations detected in $\geq 0.2\%$ of all isolates, or representative of the broadest resistance pattern for this bacterial species are listed. AMX = amoxicillin (tested using ampicillin); AMC = amoxicillin-clavulanate; CLI = clindamycin; CVN = ceftiofur ; TET = tetracyclines (doxycycline, tetracycline); FQN = any fluoroquinolone (enrofloxacin, marbofloxacin, ciprofloxacin); GEN = gentamicin; LEX = cephalexin; SXT = trimethoprim-sulfamethoxazole; TIC = ticarcillin.

Table S3: Multiple resistance patterns in *Enterococcus faecalis*

	Resistance combinations detected	n	Proportion	Comments
Two	FQN + TET	43	6.8%	Most frequent combination
	FQN + ERY	24	3.8%	
	FQN + CLI	9	1.4%	
	FQN + GEN	6	0.9%	
	FQN + AMX	2	0.3%	
	FQN + AMC	1	0.2%	
	TET + ERY	1	0.2%	
Three	FQN + AMX + AMC	11	1.7%	Broadest resistance patterns detected
	FQN + TET + GEN	8	1.3%	
	FQN + CLI + ERY	4	0.6%	
	FQN + TET + GEN	2	0.3%	
Four	FQN + AMX + AMC + TET	1	0.2%	
	FQN + AMX + TET + GEN	1	0.2%	
	FQN + AMX + AMC + ERY	1	0.2%	
Five	FQN + AMX + AMC + TET + ERY	3	0.5%	
	FQN + AMX + AMC + TET + GEN	2	0.3%	
	FQN + AMX + AMC + ERY + GEN	1	0.2%	

Only combinations detected in $\geq 0.2\%$ of all isolates, or representative of the broadest resistance pattern for this bacterial species are listed. AMX = amoxicillin (tested using ampicillin); AMC = amoxicillin-clavulanate; TET = tetracyclines (doxycycline, tetracycline); ERY = erythromycin; FQN = any fluoroquinolone (enrofloxacin, marbofloxacin, ciprofloxacin); GEN = gentamicin.

Table S4: Multiple resistance patterns in *Staphylococcus pseudintermedius*

	Resistance combinations detected	n	Proportion	Comments
Two	FQN + SXT	3	0.6%	Most frequent combination
	TET + ERY	3	0.6%	
	AMX + SXT	1	0.2%	
Three	AMX + LEX + CVN	13	2.5%	
	TET + ERY + SXT	3	0.6%	
	TET + FQN + SXT	1	0.2%	
	AMX + LEX + SXT	1	0.2%	
	AMC + LEX + CVN	1	0.2%	
Four	AMX + LEX + CVN + SXT	9	1.8%	
	AMX + AMC + LEX + CVN	3	0.6%	
	TET + FQN + GEN + SXT	1	0.2%	
Five	TET + FQN + ERY + GEN + SXT	2	0.4%	Broadest resistance pattern detected
	AMX + AMC + LEX + CVN + FQN	1	0.2%	
Six	TET + FQN + ERY + GEN + TIC + SXT	1	0.2%	
Eight	AMX + AMC + LEX + CVN + TET + ERY + GEN + SXT	1	0.2%	

Only combinations detected in $\geq 0.2\%$ of all isolates, or representative of the broadest resistance pattern for this bacterial species are listed. AMX = amoxicillin (tested using ampicillin); AMC = amoxicillin-clavulanate; CVN = cefovecin ; TET = tetracyclines (doxycycline, tetracycline); ERY = erythromycin; FQN = any fluoroquinolone (enrofloxacin, marbofloxacin, ciprofloxacin); GEN = gentamicin; LEX = cephalexin; SXT = trimethoprim-sulfamethoxazole; TIC = ticarcillin.

Table S5: Multiple resistance patterns in *Proteus mirabilis*

	Resistance combinations detected	n	Proportion	Comments
Two	AMX + SXT	12	2.7%	Most frequent combination
	AMX + CVN	1	0.2%	
	AMX + FQN	1	0.2%	
	FQN + SXT	1	0.2%	
	LEX + CVN	1	0.2%	
Three	AMX + LEX + CVN	7	1.6%	Broadest resistance patterns detected
	AMX + FQN + SXT	3	0.7%	
Four	AMX + AMC + LEX + CVN	3	0.7%	
	AMX + LEX + CVN + SXT	2	0.5%	
	AMX + LEX + CVN + GEN	1	0.2%	

Only combinations detected in $\geq 0.2\%$ of all isolates, or representative of the broadest resistance pattern for this bacterial species are listed. AMX = amoxicillin (tested using ampicillin); AMC = amoxicillin-clavulanate; CVN = cefovecin ; FQN = any fluoroquinolone (enrofloxacin, marbofloxacin, ciprofloxacin); GEN = gentamicin; LEX = cephalexin; SXT = trimethoprim-sulfamethoxazole.