

Table S2 Comparison of resistance of *E. coli* isolates from organic and conventional husbandry calculated for each of the three different categories.*

Substance	Category		p-value	Odds ratio	Lower 95% C.I. for EXP(B)	Upper 95% C.I. for EXP(B)
Ampicillin	Turkey at farm	org_conv	.009	2.848	1.297	6.253
		Constant	.277	.667		
	Turkey meat	org_conv	<.001	3.054	1.935	4.821
		Constant	.002	.576		
	Broiler at farm	org_conv	<.001	8.167	3.396	19.642
		Constant	.004	.292		
Azithromycin	Turkey at farm	org_conv	.790	.744	.084	6.592
		Constant	.001	.034		
	Turkey meat ^a					
	Broiler at farm ^a					
Chloramphenicol	Turkey at farm	org_conv	.201	2.250	.650	7.791
		Constant	<.001	.111		
	Turkey meat	org_conv	.013	2.230	1.182	4.206
		Constant	<.001	.126		
	Broiler at farm	org_conv	.998	133654225.888	<.001	.
		Constant	.998	<.001		
Ciprofloxacin	Turkey at farm	org_conv	.053	2.692	.987	7.342
		Constant	.001	.200		
	Turkey meat	org_conv	<.001	2.828	1.644	4.865
		Constant	<.001	.196		
	Broiler at farm	org_conv	.001	7.489	2.228	25.169
		Constant	<.001	.107		
Colistin	Turkey at farm ^a					
	Turkey meat	org_conv	.599	1.289	.5	3.32
		Constant	<.001	.055		
	Broiler at farm ^a					
Cefotaxime	Turkey at farm	org_conv	.098	.213	.034	1.332
		Constant	<.001	.071		
	Turkey meat	org_conv	.812	.851	.224	3.228
		Constant	<.001	.031		
	Broiler at farm ^a					
Gentamicin	Turkey at farm ^a					
	Turkey meat	org_conv	.251	1.768	.668	4.68
		Constant	<.001	.047		
	Broiler at farm	org_conv	.424	.404	.044	3.732
		Constant	.001	.033		
Nalidixic acid	Turkey at farm	org_conv	.238	1.942	.644	5.85
		Constant	<.001	.154		
	Turkey meat	org_conv	.016	2.111	1.151	3.871

		Constant	<.001	.145		
	Broiler at farm	org_conv	.002	6.629	1.972	22.286
Sulfamethoxazole	Turkey at farm	Constant	<.001	.107		
		org_conv	.091	2.250	.879	5.76
	Turkey meat	Constant	.002	.250		
		org_conv	<.001	3.662	2.138	6.271
	Broiler at farm	Constant	<.001	.196		
		org_conv	<.001	13.507	4.017	45.414
Ceftazidime	Turkey at farm	Constant	<.001	.107		
		org_conv	.098	.213	.034	1.332
	Turkey meat	Constant	<.001	.071		
		org_conv	.638	.679	.135	3.415
	Broiler at farm ^a					
Tetracycline	Turkey at farm	Constant	.001	.200		
		org_conv	.002	4.804	1.768	13.051
	Turkey meat	Constant	<.001	.367		
		org_conv	<.001	3.555	2.211	5.717
	Broiler at farm	org_conv	.003	6.274	1.866	21.098
Trimethoprim	Turkey at farm	Constant	<.001	.154		
		org_conv	.238	1.942	.644	5.85
	Turkey meat	Constant	<.001	.107		
		org_conv	<.001	4.409	2.311	8.41
	Broiler at farm	Constant	<.001	.069		
		org_conv	<.001	16.021	3.756	68.343
Fully susceptible	Turkey at farm	Constant	.715	1.143		
		org_conv	.002	.284	.129	.623
	Turkey meat	Constant	.730	1.062		
		org_conv	<.001	.249	.154	.404
	Broiler at farm	Constant	.024	2.444		
		org_conv	<.001	.063	.027	.146
Multiresistant	Turkey at farm	Constant	.006	.304		
		org_conv	.070	2.283	.936	5.57
	Turkey meat	Constant	<.001	.196		
		org_conv	<.001	4.148	2.425	7.095
	Broiler at farm	Constant	<.001	.107		
		org_conv	<.001	8.675	2.582	29.149

* Meropenem and tigecycline were not included in the analysis as no resistant isolates were found.

^a For C.I.0 logistic regression was not performed (-)

conv = conventional farming

org = organic farming