

Supplemental Table S1. Statistical comparison of herd and IDS+TIO ESC^R *E. coli* prevalences

Sample type	Herd			IDS+TIO			
	Period	Number sampled	% prevalence ESC ^R <i>E. coli</i>	Period	Number sampled	% prevalence ESC ^R <i>E. coli</i>	<i>P</i> value
Fecal	Increased disease susceptibility	128	5.5	Increased disease susceptibility, pre-ceftiofur injection	49	8.2	0.50
Fecal	Increased disease susceptibility	128	5.5	Increased disease susceptibility, 3 to 8 days post-ceftiofur injection	50	92.0	< 0.01
Fecal	December 2009	173	2.9	December 2009	49	6.1	0.38
Fecal	March 2010	178	1.7	March 2010	48	0.0	1.00
Fecal	May 2010	178	2.2	May 2010	48	2.1	1.00
Fecal	July 2010	178	11.2	July 2010	48	2.1	0.05
Hide	Increased disease susceptibility	128	11.7	Increased disease susceptibility, pre-ceftiofur injection	49	8.2	0.60
Hide	Increased disease susceptibility	128	11.7	Increased disease susceptibility, 3 to 8 days post-ceftiofur injection	50	26.0	0.02
Hide	December 2009	173	7.5	December 2009	49	24.5	< 0.01
Hide	March 2010	178	1.7	March 2010	48	0.0	1.00
Hide	May 2010	178	17.4	May 2010	48	20.8	0.67
Hide	July 2010	178	8.4	July 2010	48	0.0	0.05