

Table S2. ESC-R *E. coli* prevalence in broilers, dairy cattle, slaughter pigs and veal calves from selective surveillance (2014-2017).
Supporting information to Figure 2 and Figure S1.

Livestock	Year	Total samples	TEM-52c-Var	TEM-52c	TEM-52	TEM-20	SHV-2a	SHV-12, TEM-52c	SHV-12	CTX-M-9	CTX-M-8	CTX-M-65	CTX-M-55	CTX-M-32	CTX-M-3	CTX-M-27	CTX-M-2	CTX-M-15	CTX-M-14	CTX-M-1, TEM-52c	CTX-M-1	CMY-2; TEM-190	CMY-2, TEM-32(2br)	CMY-2, CTX-M-15	CMY-2	Chrm ampC	Grand Total ESCR (%)	
Broilers	2014	400	4	8	10			1	41	1						2	4	1	1		116		1			75	4	269 (67.3)
	2015	400	4	21	3		2	2	23	1				1	1			6	2		110					50	9	235 (58.8)
	2016	300	6	19					27				2					3			66					28		151 (50.3)
Dairy cattle	2017	301	4	6					15				1	1							46					25		98 (32.6)
	2014	300	1								1				1				3		8					4	8	26 (8.7)
	2015	300		1					2	1		2		1		1		3	1		12					3	6	33 (11)
Slaughter pigs	2016	302		1					1			2	1	5			2	7	2		19					6		46 (15.2)
	2017	292							1		1	3			1		1	12			9	1				1	6	36 (12.3)
	2014	400		11	1	1			1										4		29					2	23	72 (18)
Veal calves	2015	300		8						1		1				1					24					2	19	56 (18.7)
	2016	300	2	5							1								3		35					2	12	61 (20.3)
	2017	300	2	3					1						1						23					14		47 (15.7)
Veal calves	2014	301		1					1					1	1	1	1	9	2		24			1		3	9	54 (17.9)
	2015	300		1					2			3	3	1				5	8		16					2	2	43 (14.3)
	2016	305		4					3	1		4	2	5		1	1	20	8		45					3	2	99 (32.5)
	2017	302		5					3	1		4	2	6			1	34	5		48					2	3	114 (37.7)

Table S3. Genomic localization of ESBL/pAmpC genes in ESK-R. coli from selective surveillance per animal species (2011-2016, n=410). % are expressed in relation to each livestock/year Supporting information to Figure 3.

Livestock/Year/Gene	A/C	B/O	B/O: F	chrM	F	F: N	F: P	HI1	HI2	I1	I1α	K	K: P	N	NT	P	P: HI2	P: Y	R	X1	X1: F	X3	Y	Y: P	Grand Total
Broilers	4	1	1		7	2	3	1		19	60	23	5		3			1		14	1	8	1	5	159
2014					5	2				19	34	19	1		2			1		6	1	6	1		99
CMY-2	2 (2.0%)				2 (2.0%)					4 (4.0%)	3 (3.0%)	18 (18.0%)	1 (1.0%)												30
CTX-M-1	2 (2.0%)									13 (13.0%)	22 (22.0%)														41
CTX-M-1, TEM-52c												1 (1.0%)													1
CTX-M-14					1 (1.0%)																				1
CTX-M-15					2 (2.0%)					1 (1.0%)															3
SHV-12		1 (1.0%)								1 (1.0%)		3 (3.0%)								1 (1.0%)	1 (1.0%)	6 (6.0%)			13
TEM-52												1 (1.0%)								4 (4.0%)					5
TEM-52c																		1 (1.0%)					1 (1.0%)		4
TEM-52c-Var																				1 (1.0%)					1
2016			1	2		3	1			29	4	4	4 (6.7%)		1					8		2		5	60
CMY-2										3 (5.0%)	3 (5.0%)														10
CTX-M-1					1 (1.7%)		1 (1.7%)			17 (28.3%)	1 (1.7%)														20
CTX-M-15					1 (1.7%)										1 (1.7%)										2
CTX-M-55							2 (3.3%)																		2
SHV-12			1 (1.7%)					1 (1.7%)				4 (6.7%)								2 (3.3%)		2 (3.3%)			10
TEM-52c												5 (8.3%)												5 (8.3%)	10
TEM-52c-Var																				6 (10.0%)					6
Dairy cattle				6	4			1	1	8				1	1				1			1	2		26
2015				6	4			1	1	8				1	1				1			1	2		26
CMY-2				2 (7.7%)						1 (3.8%)															3
CTX-M-1				1 (3.8%)	3 (11.5%)			1 (3.8%)		5 (19.2%)				1 (3.8%)											11
CTX-M-14																									1
CTX-M-15					1 (3.8%)																		1 (3.8%)		3
CTX-M-27																								1 (3.8%)	1
CTX-M-32					1 (3.8%)																				1
CTX-M-65									1 (3.8%)																2
CTX-M-9															1 (3.8%)										1
SHV-12																									2
TEM-52c				1 (3.8%)																					13
Ducks				8						5															13
2016				8						5															13
CMY-2				6 (46.1%)						1 (7.7%)															7
CTX-M-1				2 (15.4%)						2 (15.4%)															4
CTX-M-65										1 (7.7%)															1
TEM-52c										1 (7.7%)															1
Laying hens				4	3					6	28	7		1						3					52
2014				3	1					6	9	5													24
CMY-2				1 (4.2%)						4 (16.7%)	4 (16.7%)	4 (16.7%)													13
CTX-M-1				1 (4.2%)						2 (8.3%)	5 (20.8%)														8
CTX-M-15				1 (4.2%)	1 (4.2%)																				3
2016				1	2					19	2			1						3					28
CMY-2										9 (32.1%)	1 (3.6%)														10
CTX-M-1					1 (3.6)					8 (28.6%)				1 (3.6)											10
CTX-M-14					1 (3.6)					1 (3.6)	1 (3.6)														3
CTX-M-55					1 (3.6)																				1
TEM-225																									1
TEM-52c-Var										1 (3.6)															3
Slaughter pigs				7	3					1	46			1		1			1						62
2011				1	1					1	18			1		1				1					25
CMY-2	1 (4.0%)										1 (4.0%)														2
CTX-M-1											5 (17.9%)			1 (4.0%)											6
CTX-M-14											1 (4.0%)														1
CTX-M-15											1 (4.0%)														1
CTX-M-2																1 (4.0%)									1
CTX-M-32																				1 (4.0%)					1
SHV-12					1 (4.0%)						2 (8.0%)														3
TEM-20											1 (4.0%)														1
TEM-52c				1 (4.0%)						1 (4.0%)	7 (28.0%)								1						9
2015				6	2						28														37
CMY-2					1 (2.7%)						1 (2.7%)														2
CTX-M-1					5 (13.5%)						19 (51.3%)														24
CTX-M-27					1 (2.7%)																				1
CTX-M-65																									1
CTX-M-9					1 (2.7%)																				1
TEM-52c											8 (21.6%)														8
Veal calves		5		6	25			2	2	3	24	8		5	7	1	1		5	2			2		98
2011		4		17				1	1	3	14	7		3	5		1			2					58
CMY-2											1 (1.7%)														1
CTX-M-1				3 (5.2%)						1 (1.7%)	7 (12.1%)	1 (1.7%)		3 (5.2%)	2 (3.4%)										24
CTX-M-1, TEM-52c											1 (1.7%)														1
CTX-M-14					1 (1.7%)						3 (5.2%)	5 (8.6%)													9
CTX-M-15					7 (12.1%)				1 (1.7%)	2 (3.4%)					1 (1.7%)										11
CTX-M-2																									

