

Annex F – WGS Data reported complementary to MIC values

Annex to:

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F.1. WGS data from *E.coli* isolates collected within the routine monitoring and subjected to supplementary testing in 2021

Table 1: WGS data in *E.coli* isolates from food-producing animals and meat thereof per country, in 2021

Reporting country	Matrix detailed	Sampling stage	ESBL family	ESBL gene	AMPC family	AMPC gene/mutation	CARBA family	CARBA gene	Total units tested	Number of isolates having the gene
Netherlands	Cattle (bovine animals) - calves (under 1 year)	Slaughterhouse	CTX-M	CTX-M-1	Not Available	Not Available	Not Available	Not Available	0	1
	Meat from bovine animals - fresh - chilled	Border Control Posts	CTX-M	CTX-M-15	Not Available	Not Available	Not Available	Not Available	161	1
Sweden	Pigs - fattening pigs	Slaughterhouse	Not Available	Not Available	AmpC mutation or insertion	C-42T	Not Available	Not Available	173	1

F.2. WGS data from *E.coli* isolates collected within the specific ESBLs-/AmpC- /carbapenemase-producing monitoring and subjected to supplementary testing in 2021

Table 2: WGS data in *E.coli* isolates from food-producing animals and meat thereof per country, in 2021

Reporting country	Matrix detailed	Sampling stage	ESBL family	ESBL gene	AMPC family	AMPC gene/mutation	CARBA family	CARBA gene	Total units tested	Number of isolates having the gene		
Belgium	Cattle (bovine animals) - calves (under 1 year)	Slaughterhouse	CTX-M	CTX-M-1	-	-	-	-	301	4		
				CTX-M-15	-	-	-	-	301	2		
				CTX-M-32	-	-	-	-	301	4		
	Meat from bovine animals - fresh - chilled	Retail	CTX-M	CTX-M-1	-	-	-	-	300	1		
				CTX-M-32	-	-	-	-	300	1		
				CTX-M-65	-	-	-	-	300	1		
	Meat from pig - fresh - chilled	Retail	CTX-M	CTX-M-55	-	-	-	-	300	1		
				TEM	TEM-52	-	-	-	-	300	1	
	Pigs - fattening pigs	Slaughterhouse	-	-	-	AmpC mutation or insertion	AmpC mutation or insertion	-	-	300	1	
					CTX-M	CTX-M-1	-	-	-	-	300	1
					CTX-M-14	-	-	-	-	300	2	
					CTX-M-32	-	-	-	-	300	1	
					CTX-M-55	-	-	-	-	300	1	
SHV					SHV-12	-	-	-	-	300	1	
TEM	TEM-52	-	-	-	-	300	1					
Iceland	Pigs - fattening pigs	Slaughterhouse	-	-	CMY	CMY-2	-	-	152	1		
						CMY-22	-	-	152	1		
						CMY-61	-	-	152	1		

Table 2. continuation

Reporting country	Matrix detailed	Sampling stage	ESBL family	ESBL gene	AMPC family	AMPC gene/mutation	CARBA family	CARBA gene	Total units tested	Number of isolates having the gene
Netherlands	Cattle (bovine animals) - calves (under 1 year)	Slaughterhouse	CTX-M	CTX-M-1	-	-	-	-	306	29
				CTX-M-3	-	-	-	-	306	1
				CTX-M-8	-	-	-	-	306	1
				CTX-M-14	-	-	-	-	306	5
				CTX-M-15	-	-	-	-	306	45
				CTX-M-32	-	-	-	-	306	8
				CTX-M-55	-	-	-	-	306	3
				CTX-M-65	-	-	-	-	306	2
		TEM	TEM-52	-	-	-	-	306	6	
	Pigs - fattening pigs	Slaughterhouse	-	-	CMY	CMY-2	-	-	300	2
			CTX-M	CTX-M-1	-	-	-	-	300	17
				CTX-M-9	-	-	-	-	300	1
				CTX-M-15	-	-	-	-	300	5
				CTX-M-55	-	-	-	-	300	1
	TEM	TEM-52	-	-	-	-	300	2		
Norway	Cattle (bovine animals) - calves (under 1 year)	Slaughterhouse	-	-	AmpC mutation or insertion	C-42T	-	-	295	3
	Meat from pig - fresh - chilled	Retail	-	-	CMY	CMY-2	-	-	311	1
	Pigs - fattening pigs	Slaughterhouse	-	-	AmpC mutation or insertion	C-42T	-	-	321	44
			CTX-M	CTX-M-15	-	-	-	-	321	2
			CTX-M-55	-	-	-	-	321	1	

Table 2. continuation

Reporting country	Matrix detailed	Sampling stage	ESBL family	ESBL gene	AMPC family	AMPC gene/mutation	CARBA family	CARBA gene	Total units tested	Number of isolates having the gene
Sweden	Cattle (bovine animals) - calves (under 1 year) - for slaughter	Slaughterhouse	CTX-M	CTX-M-15	-	-	-	-	20	2
	Meat from bovine animals - fresh - chilled	Retail	CTX-M	CTX-M-3	-	-	-	-	303	1
	Pigs - fattening pigs	Slaughterhouse	-	-	AmpC mutation or insertion	C-42T	-	-	300	22
			CTX-M	CTX-M-1	-	-	-	-	300	1
				CTX-M-15	-	-	-	-	300	2

F.3. WGS data from *E.coli* isolates collected within the specific carbapenemase-producing monitoring and subjected to supplementary testing in 2021

Table 3: WGS data in *E.coli* isolates from food-producing animals and meat thereof per country, in 2021

Reporting country	Matrix detailed	Sampling stage	ESBL family	ESBL gene	AMPC family	AMPC gene/mutation	CARBA family	CARBA gene	Total units tested	Number of isolates having the gene
Spain	Pigs - fattening pigs	Slaughterhouse			Not Available	Not Available	OXA	OXA-48	423	2