

Table S3: Phylogroup distribution and antibiotic resistance of *E. coli* populations along a rural continuum

Site		Selles			Sébec			Tourville			Risle			
		Water	Sediment	Total	Water	Sediment	Total	Water	Sediment	Total	Water	Sediment	Total	
Isolate number		99	49	148	99	59	158	96	59	155	94	96	190	
Phylogroup N (%)	A	16 (16)	7 (14)	23	15 (15)	4 (6.7)	19	34 (35.4)	9 (15.25)	43	33 (35,5)	29 (30,0)	62	
	B1	49 (49)	22 (44)	71	31 (31)	11(18.3)	42	35 (36.4)	24 (40.7)	59	22 (23.7)	33 (34.0)	55	
	B2	4 (4)	4 (8)	8	24 (24)	18 (30)	42	5 (5.2)	8 (13.6)	13	18 (19.35)	13 (13.5)	31	
	C	0	1 (2)	1	0	0	0	1 (1.0)	0	1	4 (4.3)	1 (1.0)	5	
	D Non CGA		8 (8)	0	0	0	0	0	4 (4.0)	4 (6.8)	8	8 (8.6)	3(3.0)	11
		CGA ^a	1 (1)	3 (6)	4	3 (3)	2 (3.3)	5	1 (1)	0	1	4 (4.3)	9 (9.3)	13
	E	14 (14)	6 (12)	20	4 (4)	1 (1.7)	5	5 (5.2)	2 (3.4)	7	0	1 (1.0)	1	
	F	2 (2)	1 (2)	3	0	0	0	2 (2.0)	2 (3.4)	4	4 (4.3)	2 (2.1)	6	
	Clade (II, III, V)	5 (0)	5 (10)	10	22 (22)	23 (38.3)	45	9 (9.3)	10 (17)	19	1 (1)	5 (5.2)	6	
Antibiotic resistance N (%)	No resistance	93 (93)	48 (98)	141	79 (79)	55 (95)	134	80 (83.3)	56 (95)	136	63 (64.5)	74 (80)	137	
	1-3	5 (5)	1 (2)	6	14 (14)	3 (5)	17	7 (7.3)	3 (5)	10	13 (14)	8 (8.5)	21	
	> 3	1 (1)	0	1	7 (7)	0	7	9 (9.3)	0	9	18 (19.3)	14 (14.5)	32	
	Integrase gene <i>intI1</i>	1	0	1	1	0	1	5	0	5	5	0	5	

^aCGA:clonal group A