



Fig 1 General structure of integrons

表1 家畜由来STのInt / Flo PCR結果

分離年次	Int / Flo			total
	+ / +	+ / -	- / -	
1973～1979			11	11
1980～1984		3	26	29
1985～1989		4	6	10
1990～1994	30	12	5	47
1995～1999	20	2	5	27
Total	50	21	53	124

表2 Int + / Flo - ST株の薬剤耐性型の年次分布

薬剤耐性型	1980-84	1985-89	1990-94	1995-99	total
ASKTMNC	1		2		3
ASKTM C	1	4	7		12
ASKT C			1		1
AS TMC	1				1
AS T				1	1
S			2	1	3
total	3	4	12	2	21

A ampicillin S streptomycin K kanamycin T tetracycline
M minocycline N nalidixic acid C chloramphenicol

表3 家畜由来S Enteritidisの薬剤耐性型の分布

薬剤耐性型	牛(Int+)	豚	鶏	total
ASKTMNC	1 (1)			1
ASKTMC	1			1
STMCR	1 (1)			1
ASTMC	3 (3)			3
ASKTM			4	4
STMN			1	1
STMC	3 (3)			3
TMC	3 (3)			3
ASK	1			1
STM		1	6	7
AS			1	1
ST			1	1
S	7		11	18
-	24		21	55
total	54 (11)	1	55	100

A ampicillin S streptomycin K kanamycin T tetracycline
M minocycline N nalidixic acid C chloramphenicol R rifampicin

表4 家畜由来*S. Enteritidis*の薬剤耐性型の年次分布

薬剤耐性型	1972-79(Int+)	1980-84(Int+)	1985-89	1990-94	1995-99	total
ASKTMNC		1(1)				1
ASKTMC		1				1
STMCR		1(1)				1
ASTMC		3(3)				3
ASKTM					4	4
STMN					1	1
STMC	3(3)					3
TMC	3(3)					3
ASK	1					1
STM				1	6	7
AS			1			1
ST					1	1
S	3			3	12	18
—	23	6	10	6	10	55
total	33(6)	12(5)	11	10	34	100

A ampicillin S streptomycin K kanamycin T tetracycline
M minocycline N nalidixic acid C chloramphenicol R rifampicin

表5 Int-PCR(+)株のMIC分布(Minocycline)

		MIC (μ g/ml)												
		1	5	3	13	6	25	12	5	25	50	100	>100	total
DT104	Int(+)/Flo(-)			6	14									20
ST/SE	Int(+)/Flo(-)									13	9	5		27

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