表4. FQ選択変異株のMIC値とQRDR変異の関係[1)]

QRDR mutation genotype	Strain	Fluoroquinolone concentration (μg/m*l*)[a)]	MIC(μg/m*l*)			QRDR mutations[b)]					
						GyrA		ParC			
			ENR	ORB	DAN	G81(ggt)	S83 (tct)	G78 (ggt)	S80 (agt)	S81(tct)	D84 (gac)
WT	PG45		0.125	0.03	0.125	–[c)]	–	–	–	–	–
IV	PG45ORB0.25-1	ORB (0.25)	0.5	1	0.5	C (tgt)	–	–	–	–	–
WT	212-1		0.25	0.5	0.5	–	–	–	–	–	–
I	212-1ENR0.5-1	ENR (0.5)	1	2	1	–	L (ttt)	–	–	–	–
I	132-1		0.5	1	1	–	L (ttt)	–	–	–	–
V	132-1ORB2-1	ORB (2.0)	16	16	16	–	L (ttt)	–	I (att)	–	–
WT	142-1		0.125	0.03	0.125	–	–	–	–	–	–
V	142-1DAN1-1	DAN (1.0)	16	16	16	–	L (ttt)	–	I (att)	–	–
I	235-1		0.5	2	2	–	L (ttt)	–	–	–	–
VI	235-1ENR1-1	ENR (1.0)	8	16	16	–	L (ttt)	–	–	Y (tat)	–
I	254-1		0.5	2	1	–	L (ttt)	–	–	–	–
VII	254-1ENR1-1	ENR (1.0)	8	8	8	–	L (ttt)	L (tgt)	–	–	–
I	251-1		0.5	2	1	–	L (ttt)	–	–	–	–
VIII	251-1ENR1-1	ENR (1.0)	4	8	4	–	L (ttt)	–	–	–	Y (tat)

ENR-breakpoint: ≤0.25 μg/m*l* as susceptible and ≥2 μg/m*l* as resistant; ORB- and DAN-breakpoints: ≤0.25 μg/m*l* as susceptible and ≥4 μg/m*l* as resistant. a) Fluoroquinolone concentration used in agar selection. b) *E. coli* numbering. c) –, Wild-type.
ENR, enrofloxacin; C, Cys; D, Asp; DAN, danofloxacin: G, Gly; I, Ile; L, Leu; ORB, orbifloxacin; S, Ser; Y, Tyr.