

Supplementary Table S1 Primer sets used in this study. FCA (fluoroquinolone, quinolone, florfenicol, chloramphenicol, and amphenicol), MLSB (Macrolide-Lincosamide-Streptogramin B), MGEs (mobile genetic elements).

Number	Gene Name	Forward Primer	Reverse Primer	Classification
1	16S rRNA	GGGTTGCGCTCGTTGC	ATGGYTGTCGTCAGCTCGTG	
2	aac	CCCTGCGTTGTGGCTATGT	TTGGCCACGCCAATCC	Aminoglycoside
3	aac(6')II	GACCGGATTAAGGCCGATG	CTTGCCTTGATATTCAAGTTTTATAACCA	Aminoglycoside
4	aac(6')-Ib(aka aacA4)-01	GTTTGAGAGGCAAGGTACCGTAA	GAATGCCTGGCGTGTTTGA	Aminoglycoside
5	aac(6')-Ib(aka aacA4)-02	CGTCGCCGAGCAACTTG	CGGTACCTTGCCTCTCAAACC	Aminoglycoside
6	aacA4)-03	AGAAGCACGCCCGACACTT	GCTCTCCATTCAAGATTGCA	Aminoglycoside
7	aac(6')-II	CGACCCGACTCCGAACAA	GCACGAATCCTGCCTTCTCA	Aminoglycoside
8	aac(6')-Iy	GCTTTGCGGATGCCTCAAT	GGAGAACAAAAATACCTTCAAGGAAA	Aminoglycoside
9	aacA_aphD	AGAGCCTTGGGAAGATGAAGTTT	TTGATCCATACCATAGACTATCTCATCA	Aminoglycoside
10	aacC	CGTCACTTATTTCGATGCCCTTAC	GTCGGGCGCGGCATA	Aminoglycoside
11	aacC1	GGTCGTGAGTTCGGAGACGTA	GCAAGTTCCTCGAGGTAATCG	Aminoglycoside
12	aacC2	ACGGCATTCTCGATTGCTTT	CCGAGCTTCACGTAAGCATT	Aminoglycoside
13	aacC4	CGGCGTGGGACACGAT	AGGGAACCTTTGCCATCAACT	Aminoglycoside
14	aadA-01	GTTGTGCACGACGACATCATT	GGCTCGAAGATACCTGCAAGAA	Aminoglycoside
15	aadA-02	CGAGATTCTCCGCGTGTA	GCTGCCATTCTCCAAATTGC	Aminoglycoside
16	aadA1	AGCTAAGCGCGAAGTGAAT	TGGCTCGAAGATACCTGCAA	Aminoglycoside
17	aadA-1-01	AAAAGCCCGAAGAGGAACTTG	CATCTTTACAAAGATGTTGCTGTCT	Aminoglycoside
18	aadA-1-02	CGGAATTGAAAAACTGATCGAA	ATACCGGCTGTCCGTCATTT	Aminoglycoside
19	aadA2-01	ACGGCTCCGCAGTGGAT	GGCCACAGTAACCAACAAATCA	Aminoglycoside
20	aadA2-02	CTTGTCGTGCATGACGACATC	TCGAAGATACCCGCAAGAATG	Aminoglycoside
21	aadA2-03	CAATGACATTCTTGCGGGTATC	GACCTACCAAGGCAACGCTATG	Aminoglycoside
22	aadA5-01	ATCACGATCTTGCGATTTTGCT	CTGCGGATGGGCCTAGAAG	Aminoglycoside
23	aadA5-02	GTTCTTGCTCTTGCTCGCATT	GATGCTCGGCAGGCAAAC	Aminoglycoside
24	aadA9-01	CGCGGCAAGCCTATCTTG	CAAATCAGCGACCGCAGACT	Aminoglycoside
25	aadA9-02	GGATGCACGCTTGATGAA	CCTCTAGCGCCGGAGTATT	Aminoglycoside
26	aadD	CCGACAACATTCTACCATCCTT	ACCGAAGCGCTCGTCTGATA	Aminoglycoside
27	aadE	TACCTTATTGCCCTTGGAAGAGTTA	GGAAGTATGTCCCTTTTAATTCTACAATCT	Aminoglycoside
28	acrA-01	CAACGATCGGACGGGTTTC	TGGCGATGCCACCGTACT	Multidrug
29	acrA-02	GGTCTATCACCTACGCGCTATC	GCGCGCACGAACATACC	Multidrug
30	acrA-03	CAGACCCGCATCGCATATT	CGACAATTTTCGCGCTCATG	Multidrug
31	acrA-04	TACTTTGCGCGCCATCTTC	CGTGCGCGAACGAACAT	Multidrug
32	acrA-05	CGTGCGCGAACGAACA	ACTTTGCGCGCCATCTTC	Multidrug
33	acrB-01	AGTCGGTGTTTCGCCGTTAAC	CAAGGAAACGAACGCAATACC	Multidrug
34	acrF	GCGGCCAGGCACAAAA	TACGCTCTTCCCACGGTTTC	Multidrug
35	acrR-01	GCGCTGGAGACACGACAAC	GCCTTGCTGCGAGAACAAA	Multidrug
36	acrR-02	GATGATACCCCTGCTGTGAGA	ACCAACAAGAAGCGCAAGAA	Multidrug
37	adeA	CAGTTTCGAGCGCTATTTCTG	CGCCCTGACCGACCAAT	Multidrug
38	ampC_blaDHA	TGGCCGACGAGAAAGA	CCGTTTATGCACCCAGGAA	Beta_Lactamase
39	ampC-01	TGGCGTATCGGGTCAATGT	CTCCACGGGCCAGTTGAG	Beta_Lactamase
40	ampC-02	GCAGCACGCCCGTAA	TGTACCCATGATGCGCGTACT	Beta_Lactamase
41	ampC-04	TCCGGTGACGCGACAGA	CAGCACGCCGGTGAAAGT	Beta_Lactamase
42	ampC-05	CTGTTTCGAGCTGGGTCTATAAGTAAA	CAGTATCTGGTCACCGGATCGT	Beta_Lactamase

43	ampC-06	CCGCTCAAGCTGGACCATAC	CCATATCCTGCACGTTGGTTT	Beta_Lactamase
44	ampC-09	CAGCCGCTGATGAAAAAATATG	CAGCGAGCCCACTTCGA	Beta_Lactamase
45	aph	TTTCAGCAAGTGGATCATGTTAAAT	CCAAGCTGTTTCCACTGTTTTTC	Aminoglycoside
46	aph(2')-Id-01	TGAGCAGTATCATAAGTTGAGTGAAAAG	GACAGAACAAATCAATCTCTATGGAATG	Aminoglycoside
47	aph(2')-Id-02	TAAGGATATACCGACAGTTTTTGAAA	TTTAATCCCTCTTCATACCAATCCATA	Aminoglycoside
48	aph6ia	CCCATCCCATGTGTAAGGAAA	GCCACCGCTTCTGCTGTAC	Aminoglycoside
49	aphA1(aka kanR)	TGAACAAGTCTGGAAAGAAATGCA	CCTATTAATTTCCCTCGTCAAAAA	Aminoglycoside
50	bacA-01	CGGCTTCGTGACCTCGTT	ACAATGCGATACCAGGCAAAAT	other
51	bacA-02	TTCCACGACACGATTAAGTCATTG	CGGCTCTTTCGGCTTCAG	other
52	bla1	GCAAGTTGAAGCGAAAGAAAAGA	TACCAGTATCAATCGCATATACACCTAA	Beta_Lactamase
53	bla-ACC-1	CACACAGCTGATGGCTTATCTAAAA	AATAAACGCGATGGGTTCOA	Beta_Lactamase
54	blaCMY	CCGCGGCGAAATTAAGC	GCCACTGTTTGCCTGTCAGTT	Beta_Lactamase
55	blaCMY2-01	AAAGCCTCAT GGGTGCATAAA	ATAGCTTTTGGTTGCCAGCATCA	Beta_Lactamase
56	blaCMY2-02	GCGAGCAGCCTGAAGCA	CGGATGGGCTTGCTCTCTT	Beta_Lactamase
57	blaCTX-M-01	GGAGGCGTGACGGCTTTT	TTCAGTGCGATCCAGACGAA	Beta_Lactamase
58	blaCTX-M-03	CGATACCACCACGCCGTTA	GCATTGCCCAACGTCAGATT	Beta_Lactamase
59	blaCTX-M-04	CTTGGCGTTGCGCTGAT	CGTTCATCGGCACGGTAGA	Beta_Lactamase
60	blaCTX-M-05	GCGATAACGTGGCGATGAAT	GTCGAGACGGAACGTTTCGT	Beta_Lactamase
61	blaCTX-M-06	CACAGTTGGTGACGTGGCTTAA	CTCCGCTGCCGGTTTTATC	Beta_Lactamase
62	blaGES	GCAATGTGCTCAACGTTCAG	GTGCCTGAGTCAATTCTTTCAAAG	Beta_Lactamase
63	blaIMP-01	AACACGGTTTGGTGGTTCTTGTA	GCGCTCCACAAACCAATTG	Beta_Lactamase
64	blaIMP-02	AAGGCAGCATTTCTCTCATTTT	GGATAGATCGAGAATTAAGCCACTCT	Beta_Lactamase
65	bla-L1	CACCGGTTACCAGCTGAAG	GCGAAGCTGCGCTTGTAGTC	Beta_Lactamase
66	blaMOX_blaCMY	CTATGTCAATGTGCCGAAGCA	GGCTTGTCTCTTTTCGAATAGC	Beta_Lactamase
67	blaOCH	GGCGACTTGCGCCGTAT	TTTTCTGCTCGGCCATGAG	Beta_Lactamase
68	blaOKP	GCCGCCATCACCATGAG	GGTGACGTTGTACCGATCTG	Beta_Lactamase
69	blaOXA1_blaOXA30	CGGATGGTTTGAAGGGTTATTAT	TCTTGGCTTTTATGCTTGATGTAA	Beta_Lactamase
70	blaOXA10-01	CGCAATTATCGGCCTAGAACT	TTGGCTTTCCGTCCCATT	Beta_Lactamase
71	blaOXA10-02	CGCAATTATCGGCCTAGAACT	TTGGCTTTCCGTCCCATT	Beta_Lactamase
72	blaOXY	CGTTACGGCGGCAGGTT	GCCGCGATATAAGATTGAGAATT	Beta_Lactamase
73	blaPAO	CGCCGTACAACCGGTGAT	GAAGTAATGCGGTTCTCCTTTCA	Beta_Lactamase
74	blaPER	TGCTGTTGCTGTTTTTGTGA	CCTGCGCAATGATAGCTTCAT	Beta_Lactamase
75	blaPSE	TTGTGACCTATTCCCTGTAATAGAA	TGCGAAGCACGCATCATC	Beta_Lactamase
76	blaROB	GCAAAGGCATGACGATTGC	CGCGCTGTTGTGCTAAA	Beta_Lactamase
77	blaSFO	CCGCCGCCATCCAGTA	GGGCCGCCAAGATGCT	Beta_Lactamase
78	blaSHV-01	TCCCATGATGAGCACCTTTAAA	TTCGTACCCGGCATCCA	Beta_Lactamase
79	blaSHV-02	CTTCCCATGATGAGCACCTTT	TCCTGCTGGCGATAGTGAT	Beta_Lactamase
80	blaTEM	AGCATCTTACGGATGGCATGA	TCCTCCGATCGTTGTCAGAAGT	Beta_Lactamase
81	blaTLA	ACACTTTGCCATTGCTGTTTATGT	TGCAAAATTCGGCAATAATCTTT	Beta_Lactamase
82	blaVEB	CCCGATGCAAAGCGTTATG	GAAAGATTCCCTTTATCTATCTCAGACAA	Beta_Lactamase
83	blaVIM	GCACTTCTCGCGGAGATTG	CGACGGTGATGCGTACGTT	Beta_Lactamase
84	blaZ	GGAGATAAAGTAACAAATCCAGTTAGATATGA	TGCTTAATTTCCATTTGCGATAAG	Beta_Lactamase
85	carB	GGAGTGAGGCTGACCGTAGAAG	ATCGGCGAAACGCACAAA	MLSB
86	catA1	GGGTGAGTTTACCAGTTTGTATT	CACCTTGTCGCTTGCGTATA	FCA
87	catB3	GCACTCGATGCCTTCCAAAA	AGAGCCGATCCAAACGTCAT	FCA
88	catB8	CACTCGACGCCTTCCAAAG	CCGAGCCTATCCAGACATCATT	FCA
89	ceoA	ATCAACACGGACCAGGACAAG	GGAAAGTCCGCTCACGATGA	Multidrug
90	cepA	AGTTGCGCAGAACAGTCTCTT	TCGTATCTTGCCCGTCGATAAT	Beta_Lactamase
91	cfiA	GCAGCGTTGCTGGACACA	GTTCCGGATAAACGTGGTGACT	Beta_Lactamase

92	cfr	GCAAAATTCAGAGCAAGTTACGAA	AAAATGACTCCCAACCTGCTTTAT	FCA
93	cfxA	TCATTCTCTCGTTCAAGTTTTCAGA	TGCAGCACCAAGAGGAGATGT	Beta_Lactamase
94	cmeA	GCAGCAAAGAAGAAGCACCAA	AGCAGGGTAAGTAAACTAAGTGGTAAATCT	Multidrug
95	cmlA1-01	TAGGAAGCATCGGAACGTTGAT	CAGACCGAGCACGACTGTTG	FCA
96	cmlA1-02	AGGAAGCATCGGAACGTTGA	ACAGACCGAGCACGACTGTTG	FCA
97	cmr	CGGCATCGTCAGTGGAATT	CGGTTCGAAAAAGATGGAA	Multidrug
98	cmx(A)	GCGATCGCCATCCTCTGT	TCGACACGGAGCCTTGGT	FCA
99	cphA-01	GCGAGCTGCACAAGCTGAT	CGGCCCAGTCGCTCTTC	Beta_Lactamase
100	cphA-02	GTGCTGATGGCGAGTTTCTG	GGTGTGGTAGTTGGTGTGATCAC	Beta_Lactamase
101	dfrA1	GGAATGGCCCTGATATTCCA	AGTCTTGCGTCCAACCAACAG	Sulfa
102	dfrA12	CCTCTACCGAACCGTCACACA	GCGACAGCGTTGAAACAACACTAC	Sulfa
103	emrD	CTCAGCAGTATGGTGGTAAGCATT	ACCAGGCGCCGAAGAAC	Multidrug
104	ereA	CCTGTGGTACGGAGAATTCATGT	ACCGCATTCGCTTTGCTT	MLSB
105	ereB	GCTTTATTTACGGAGGCGGAAT	TTTTAAATGCCACAGCACAGAATC	MLSB
106	erm(34)	GCGCGTTGACGACGATTT	TGGTCATACTCGACGGCTAGAAC	MLSB
107	erm(35)	TTGAAAACGATGTTGCATTAAGTCA	TCTATAATCACAACCTAACCTTGAACTG	MLSB
108	erm(36)	GGCGGACCGACTTGCAT	TCTGCGTTGACGACGGTTAC	MLSB
109	ermA	TTGAGAAGGGATTGCGAAAAAG	ATATCCATCTCCACCATTAAAGTAAACC	MLSB
110	ermA_ermTR	ACATTTTACCAAGGAACCTTGTTGAA	GTGGCATGACATAAACCTTCATCA	MLSB
111	ermB	TAAAGGGCATTTAACGACGAAACT	TTTATACCTCTGTTTGTAGGGAATTGAA	MLSB
112	ermC	TTTGAAATCGGCTCAGGAAAA	ATGGTCTATTTCATGGCAGTTACG	MLSB
113	ermF	CAGCTTTGGTTGAACATTTACGAA	AAATTCCTAAAATCACAACCGACAA	MLSB
114	ermJ_ermD	GGACTCGGCAATGGTCAGAA	CCCCGAAACGCAATATAATGTT	MLSB
115	ermK-01	GTTTGATATTGGCATGTGCAGAGAAA	ACCATTGCCGAGTCCACTTT	MLSB
116	ermK-02	GAGCCGCAAGCCCTTT	GTGTTTCATTTGACGCGGAGTAA	MLSB
117	ermT-01	GTTCACTAGCACTATTTTTAATGACAGAAGT	GAAGGGTGTCTTTTTAATACAATTAACGA	MLSB
118	ermT-02	GTAAAAATCCCTAGAGAATACTTTCATCCA	TGAGTGATATTTTTGAAGGGTGTCTT	MLSB
119	ermX	GCTCAGTGGTCCCCATGGT	ATCCCCCGTCAACGTTT	MLSB
120	ermY	TTGTCTTTGAAAGTGAAGCAACAGT	TAACGCTAGAGAACGATTGTATTGAG	MLSB
121	fabK	TTTCAGCTCAGCACTTTGGTCAT	AAGGCATCTTTTCAGCCAGTTTC	other
122	floR	ATTGTCTTCACGGTGTCCGTTA	CCGCGATGTCGTCGAAC	FCA
123	folA	CGAGCAGTTCTTGCCAAAG	CCCAGTCATCCGGTTCATAATC	Sulfa
124	fosB	TCACTGTAACTAATGAAGCATTAGACCAT	CCATCTGGATCTGTAAAGTAAAGAGATC	other
125	fosX	GATTAAGCCATATCACTTTAATTGTGAAAG	TCTCCTTCCATAATGCAAAATCCA	other
126	fox5	GGTTTGCCGCTGCAGTTC	GCGGCCAGGTGACCAA	Beta_Lactamase
127	imiR	CCGGAAGTAGAGCTTCATGTAAGC	CCCACGCGGTACTCTTGTAAG	other
128	intl-1(clinic)	CGAACGAGTGGCGGAGGGTG	TACCCGAGAGCTTGGCACCCA	MGEs
129	intl-1LC	GCCTTGATGTTACCCGAGAG	GATCGGTGCAATGCGTGT	MGEs
130	intl2	TGCTTTTCCACCCCTTACC	GACGGCTACCTCTGTTATCTC	MGEs
131	intl3	GCCACCACTTGTTTGAGGA	GGATGTCTGTGCCTGCTTG	MGEs
132	IS613	AGGTTTCGGAAGCAATGCAACA	TTCAGCACATACCGCCTTGAT	MGEs
133	lmrA-01	TCGACGTGACCGTAGTGAACA	CGTGACTACCCAGGTGAGTTGA	MLSB
134	lnuA-01	TGACGCTCAACACACTCAAAAA	TTCATGCTTAAGTCCATACGTGAA	MLSB
135	lnuB-01	TGAACATAATCCCCTCGTTTAAAGAT	TAATTGCCCTGTTTCATCGTAAATAA	MLSB
136	lnuB-02	AAAGGAGAAGGTGACCAATACTCTGA	GGAGCTACGTCAAACAACAGTT	MLSB
137	lnuC	TGGTCAATATAACAGATGTAAACCAGATTT	CACCCAGCCACCATCAA	MLSB
138	marR-01	GCGGCGTACTGGTGAAGCTA	TGCCCTGGTCGTTGATGA	Multidrug
139	matA_mel	TAGTAGGCAAGCTCGGTGTTGA	CCTGTGCTATTTTAAGCCTTGTTTCT	MLSB
140	mdet11	ATACAGCAGTGGATATTGGTTTAATTGT	TGCATAAGGTGAATGTCCATGA	Multidrug

141	mdtA	CCTAACGGGCGTGACTTCA	TTCACCTGTTTCAAGGGTCAAA	MLSB
142	mdtE_yhiU	CGTCGGCGCACTCGTT	TCCAGACGTTGTACGGTAACCA	Multidrug
143	mecA	GGTTACGGACAAGGTGAAATACTGAT	TGTCTTTTAATAAGTGAGGTGCGTTAATA	Beta_Lactamase
144	mefA	CCGTAGCATTGGAACAGCTTTT	AAACGGAGTATAAGAGTGCTGCAA	MLSB
145	mepA	ATCGGTCGCTCTTCGTTTAC	ATAAATAGGATCGAGCTGCTGGAT	Multidrug
146	mexA	AGGACAACGCTATGCAACGAA	CCGGAAAGGGCCGAAAT	Multidrug
147	mexD	TTGCCACTGGCTTTCATGAG	CACTGCGGAGAACTGTCTGTAGA	Multidrug
148	mexE	GGTCAGCACCGACAAGGTCTAC	AGCTCGACGTACTTGAGGAACAC	Multidrug
149	mexF	CCGCGAGAAGGCCAAGA	TTGAGTTCGGCGGTGATGA	Multidrug
150	mphA-01	CTGACGCGCTCCGTGTT	GGTGGTGCATGGCGATCT	MLSB
151	mphA-02	TGATGACCCTGCCATCGA	TTCGCGAGCCCCTCTTC	MLSB
152	mphB	CGCAGCGCTTGATCTTGTAG	TTACTGCATCCATACGCTGCTT	MLSB
153	mphC	CGTTTGAAGTACCGAATTGGAAA	GCTGCGGGTTTGCCTGTA	MLSB
154	msrA-01	CTGCTAACACAAGTACGATTCCAAAT	TCAAGTAAAGTTGTCTTACCTACACCATT	MLSB
155	msrC-01	TCAGACCGGATCGGTTGTC	CCTATTTTTGGAGTCTTCTCTCTAATGTT	MLSB
156	mtrC-01	GGACGGGAAGATGGTCCAA	CGTAGCGTTCCGGTTCGAT	Multidrug
157	mtrC-02	CGGAGTCCATCGACCATTTG	ATCGTCGGCAAGGAGAATCA	Multidrug
158	mtrD-02	GGTCGGCACGCTCTTGTC	TGAAGAATTTGCGCACCACACTAC	Multidrug
159	mtrD-03	CCGCCAAGCCGATATAGACA	GGCCGGGTTGCCAAA	Multidrug
160	ndm-1	ATTAGCCGCTGCATTGAT	CATGTCGAGATAGGAAGTG	Beta_Lactamase
161	nimE	TGCGCCAAGATAGGGCATA	GTCGTGAATTCGGCAGGTTTA	other
162	nisB	GGGAGAGTTGCCGATGTTGTA	AGCCACTCGTTAAAGGGCAAT	other
163	oleC	CCCGGAGTCGATGTTCGA	GCCGAAGACGTACACGAACAG	MLSB
164	oprD	ATGAAGTGGAGCGCCATTG	GGCCACGGCGAACTGA	Multidrug
165	oprJ	ACGAGAGTGGCGTCGACAA	AAGGCGATCTCGTTGAGGAA	Multidrug
166	pbp	CCGGTGCCATTGGTTTAGA	AAAATAGCCGCCCCAAGATT	Beta_Lactamase
167	pbp2x	TTTCATAAGTATCTGGACATGGAAGAA	CCAAAGGAAACTTGCTTGAGATTAG	Beta_Lactamase
168	Pbp5	GGCGAACTTCTAATTAATCTATCCA	CGCCGATGACATTCTTCTTATCTT	Beta_Lactamase
169	penA	AGACGGTAACGTATAACTTTTTGAAAGA	GCGTGTAGCCGGCAATG	Beta_Lactamase
170	pikR1	TCGACATGCGTGACGAGATT	CCGCGAATTAGGCCAGAA	MLSB
171	pikR2	TCGTGGGCCAGGTGAAGA	TTCCCCTTGCCGGTGAA	MLSB
172	pmrA	TTTGAGGTTTTGTTCTTAATGC	GCAGAGCTGATTTCTCCTTTG	Multidrug
173	pncA	GCAATCGAGGCGGTGTTT	TTGCCCGAGCCAATTCA	other
174	putitive multidrug	AATTTTGCCGATTATTGCTGAAA	GATTGTCATCATTCGTTTATCACCAA	Multidrug
175	qac	CAATAATAACCGAAATAATAGGGACAAGTT	AATAAGTGTTCTAGTGTTGGCCATAG	Multidrug
176	qacA	TGGCAATAGGAGCTATGGTGTTT	AAGGTAACACTATTTTCGGTCCAAATC	Multidrug
177	qacA_qacB	TTTAGCGAGCTCGCTTCA	CCGAATCCAAATAAAACCCAATAA	Multidrug
178	qacEdelta1-01	TCGCAACATCCGCATTAAAA	ATGGATTTTCAGAACGAGAAAGAAA	Multidrug
179	qacEdelta1-02	CCCCCTCCGCCGTTGT	CGACCAGACTGCATAAGCAACA	Multidrug
180	qacH-01	GTGGCAGCTATCGCTTGAT	CCAACGAACGCCACAA	Multidrug
181	qacH-02	CATCGTGCTTGTGGCAGCTA	TGAACGCCCAGAAGTCTAGTTTT	Multidrug
182	qnrA	AGGATTCTCACGCCAGGATT	CCGCTTTCAATGAAACTGCAA	FCA
183	rarD-02	TGACGCATCGCGTGATCT	AAATTTTCTGTGGCGTCTGAATC	Multidrug
184	sat4	GAATGGGCAAAGCATAAAAACTTG	CCGATTTTGAAACCACAATTATGATA	other
185	sdeB	CACTACCGCTTCCGCCTTAA	TGAAAAAACGGGAAAAGTCCAT	Multidrug
186	speN-01	AAAAGTTTCGATGAAACACGCCTAT	TCCAGTGGTAGTCCCCGAATC	Aminoglycoside
187	speN-02	CAGAATCTTCTGAAAAGTTTGATGAA	CGCAGACACGCCGAATC	Aminoglycoside
188	speA	GCAAGAGGTATTTGCTCAACAAGA	CAGGGTCAACCCTATAAAGAAAA	other
189	str	AATGAGTTTTGGAGTGCTCAACGTA	AATCAAAACCCCTATTAAAGCCAAT	Aminoglycoside

190	strA	CCGGTGGCATTGTGAGAAAAA	GTGGCTCAACCTGCGAAAAAG	Aminoglycoside
191	strB	GCTCGGTCTGTGAGAACAATCT	CAATTTCGGTCGCCTGGTAGT	Aminoglycoside
192	sul1	CAGCGCTATGCGCTCAAG	ATCCCCTGCGCTGAGT	Sulfa
193	sul2	TCATCTGCCAAACTCGTCGTTA	GTCAAAGAACGCCGCAATGT	Sulfa
194	sulA-folP-01	CAGGCTCGTAAATTGATAGCAGAAG	CTTTCCTTGCGAATCGCTTT	Sulfa
195	sulA-folP-03	CACGGCTTCGGCTCATGT	TGCCATCCTGTGACTAGCTACGT	Sulfa
196	tet(32)	CCATTACTTCGGACAACGGTAGA	CAATCTCTGTGAGGGCATTTAACA	Tet_Resistance
197	tet(34)	CTTAGCGCAAACAGCAATCAGT	CGGTGATACAGCGCGTAAACT	Tet_Resistance
198	tet(35)	ACCCCATGACGTACCTGTAGAGA	CAACCCACACTGGCTACCAGTT	Tet_Resistance
199	tet(36)-01	AGAATACTCAGCAGAGGTCAGTTCCT	TGGTAGGTCGATAACCCGAAAAT	Tet_Resistance
200	tet(36)-02	TGCAGGAAAGACCTCCATTACAG	CTTTGTCCACACTTCCACGTACTATG	Tet_Resistance
201	tet(37)	GAGAACGTTGAAAAGGTGGTGAA	AACCAAGCCTGGATCAGTCTCA	Tet_Resistance
202	tetA-01	GCTGTTTGTCTGCCGAAA	GGTTAAGTTCCTTGAAACGCAAACT	Tet_Resistance
203	tetA-02	CTCACCAGCCTGACCTCGAT	CACGTTGTTATAGAAGCCGCATAG	Tet_Resistance
204	tetB-01	AGTGCGCTTTGGATGCTGTA	AGCCCCAGTAGCTCCTGTGA	Tet_Resistance
205	tetB-02	GCCCAGTGCTGTTGTTGTCAT	TGAAAGCAAACGGCCTAAATACA	Tet_Resistance
206	tetC-01	CATATCGCAATACATGCGAAAAA	AAAGCCCGGGTAAATAGCAA	Tet_Resistance
207	tetC-02	ACTGGTAAGGTAAACGCCATTGTC	ATGCATAAACAGCCATTGAGTAAG	Tet_Resistance
208	tetD-01	TGCCCGCTTTGATTACACA	CACCAGTGATCCCGGAGATAA	Tet_Resistance
209	tetD-02	TGTCATCGCGCTGGTGATT	CATCCGCTTCGGGAGAT	Tet_Resistance
210	tetE	TTGGCGCTGTATGCAATGAT	CGACGACCTATGCGATCTGA	Tet_Resistance
211	tetG-01	TCAACCATTGCCGATTCTGA	TGGCCCGGCAATCATG	Tet_Resistance
212	tetG-02	CATCAGCGCCGGTCTTATG	CCCCATGTAGCCGAACCA	Tet_Resistance
213	tetH	TTTGGGTCATCTTACCAGCATTA	TTGCGCATTATCATCGACAGA	Tet_Resistance
214	tetJ	GGGTGCCGCATTAGATTACCT	TCGTCCAATGTAGAGCATCCATA	Tet_Resistance
215	tetK	CAGCAGTCATTGGAATAATTCTGATTATA	CCTTGTAATAACCTACCAAAAATCAAAATA	Tet_Resistance
216	tetL-01	AGCCCCGATTTATTCAAGGAATTG	CAAATGCTTTCCCCCTGTCT	Tet_Resistance
217	tetL-02	ATGGTTGTAGTTGCGCGCTATAT	ATCGCTGGACCGACTCCTT	Tet_Resistance
218	tetM-01	CATCATAGACACGCCAGGACATAT	CGCCATCTTTTGCAAAATCA	Tet_Resistance
219	tetM-02	TAATATGGAGTTTTAGCTCATGTTGATG	CCTCTCTGACGTTCTAAAAGCGTATTAT	Tet_Resistance
220	tetO-01	ATGTGGATACTACAACGCATGAGATT	TGCCTCCACATGATATTTTTCCT	Tet_Resistance
		AGTTGCAGATGTGTATAGTCGTAACATCTCTA		
221	tetPA	TT	TGCTACAAGTACGAAAACAAAACCTAGAA	Tet_Resistance
222	tetPB-01	ACACCTGGACACGCTGATTTT	ACCGTCTAGAACGCGGAATG	Tet_Resistance
223	tetPB-02	TGATACACCTGGACACGCTGAT	CGTCCAAAACGCGGAATG	Tet_Resistance
224	tetPB-03	TGGGCGACAGTAGGCTTAGAA	TGACCCTACTGAAACATTAGAAATATACCT	Tet_Resistance
225	tetPB-04	AGTGGTGCAAATACTGAAAAAGTTGT	TTTGTTCTCTCGTTTTTGACAGA	Tet_Resistance
226	tetPB-05	CTGAAGTGAGCGATCATTCC	CCCTCAACGGCAGAAATAACTAA	Tet_Resistance
227	tetQ	CGCCTCAGAAGTAAGTTCATACACTAAG	TCGTTTCATGCGGATATTATCAGAAT	Tet_Resistance
228	tetR-02	CGCGATAGACGCCTTCGA	TCCTGACAACGAGCCTCCTT	Tet_Resistance
229	tetR-03	CGCGATGGAGCAAAAGTACAT	AGTGAAAAACCTTGTTGGCATAAAA	Tet_Resistance
230	tetS	TTAAGGACAAACTTTCTGACGACATC	TGTCTCCCATTGTTCTGTTCA	Tet_Resistance
231	tetT	CCATATAGAGGTTCCACCAATCC	TGACCCTATTGGTAGTGGTTCTATTG	Tet_Resistance
232	tetU-01	GTGGCAAAGCAACGGATTG	TGCGGGCTTGCAAAACTATC	Tet_Resistance
233	tetV	GCGGGAACGACGATGTATATC	CCGCTATCTCACGACCATGAT	Tet_Resistance
234	tetX	AAATTTGTTACCGACACGGAAGTT	CATAGCTGAAAAAATCCAGGACAGTT	Tet_Resistance
235	tnpA-01	CATCATCGGACGGACAGAATT	GTCGGAGATGTGGGTGTAGAAAGT	MGEs
236	tnpA-02	GGGCGGGTCGATTGAAA	GTGGGCGGGATCTGCTT	MGEs
237	tnpA-03	AATTGATGCGGACGGCTTAA	TCACCAAACGTTTATGGAGTCGTT	MGEs

238	tnpA-04	CCGATCACGGAAAGCTCAAG	GGCTCGCATGACTTCGAATC	MGEs
239	tnpA-05	GCCGCACTGTCGATTTTATC	GCGGGATCTGCCACTTCTT	MGEs
240	tnpA-07	GAAACCGATGCTACAATATCCAATTT	CAGCACCGTTTGCAGTGTAAG	MGEs
241	tolC-01	GGCCGAGAACCTGATGCA	AGACTTACGCAATTCGGGTTA	Multidrug
242	tolC-02	CAGGCAGAGAACCTGATGCA	CGCAATTCGGGTTGCT	Multidrug
243	tolC-03	GCCAGGCAGAGAACCTGATG	CGCAATTCGGGTTGCT	Multidrug
244	Tp614	GGAAATCAACGGCATCCAGTT	CATCCATGCGCTTTTGTCTCT	MGEs
245	ttgA	ACGCCAATGCCAAACGATT	GTCACGGCGCAGCTTGA	Multidrug
246	ttgB	TCGCCCTGGATGTACACCTT	ACCATTGCCGACATCAACAAC	Multidrug
247	vanA	AAAAGGCTCTGAAAACGCAGTTAT	CGGCCGTTATCTTGTAAAAACAT	Vancomycin
248	vanB-01	TTGTCGGCGAAGTGGATCA	AGCCTTTTTCCGGCTCGTT	Vancomycin
249	vanB-02	CCGGTCGAGGAACGAAATC	TCCTCTGCAAAAAAAGATCAAC	Vancomycin
250	vanC-01	ACAGGGATTGGCTATGAACCAT	TGACTGGCGATGATTGACTATG	Vancomycin
251	vanC-03	AAATCAATACTATGCCGGGCTTT	CCGACCCTGCCATCA	Vancomycin
252	vanC1	AGGCGATAGCGGTATTGAA	CAATCGTCAATTGCTCATTCC	Vancomycin
253	vanC2_vanC3	TTTGACTGTCGGTGCTTGTGA	TCAATCGTTTCAGGCAATGG	Vancomycin
254	vanG	ATTTGAATTGGCAGGTATACAGGTTA	TGATTTGTCTTTGTCCATACATAATGC	Vancomycin
255	vanHB	GAGGTTTCCGAGGCGACAA	CTCTCGGCGCAGTCGTAT	Vancomycin
256	vanHD	GTGGCCGATTATACCGTCATG	CGCAGGTCATTCAGGCAAT	Vancomycin
257	vanRA-01	CCCTTACTCCCACCGAGTTTT	TTCGTCGCCCCATATCTCAT	Vancomycin
258	vanRA-02	CCACTCCGGCCTTGTCATT	GCTAACCACATTCCCTTGTTTT	Vancomycin
259	vanRB	GCCCTGTGGATGACGAA	TTACATAGTCGTCTGCCTCTGCAT	Vancomycin
260	vanRC	TGCGGGAAAACTGAACGA	CCCCCATACGGTTTTTGATTA	Vancomycin
261	vanRC4	AGTGCTTTGGCTTATCTCGAAAA	TCCGGCAGCATCACATCTAA	Vancomycin
262	vanRD	TTATAATGGCAAGGATGCACTAAAGT	CGTCTACATCCGGAAGCATGA	Vancomycin
263	vanSA	CGCGTCATGCTTTCAAAATTC	TCCGCAGAAAGCTCAATTTGTT	Vancomycin
264	vanSB	GCGCGGCAATGACAAC	TTTGCCATTTTATTCGCACTGT	Vancomycin
265	vanSC-02	GCCATCAGCGAGTCTGATGA	CAGTGGGATCGTTTTTCCTT	Vancomycin
266	vanSE	TGGCCGAAGAAGCAGGAA	CAATAATACTCGTCAAAGGAGTTCTCA	Vancomycin
267	vanTC-01	CACACGCATTTTTCCCATCTAG	CAGCCAACAGATCATAAAACAA	Vancomycin
268	vanTC-02	ACAGTTGCCGCTGGTGAAG	CGTGGCTGGTCGATCAAAA	Vancomycin
269	vanTE	GTGGTGCCAAGGAAGTTGCT	CGTAGCCACCGCAAAAAAAT	Vancomycin
270	vanTG	CGTGTAGCCGTTCCGTTCTT	CGGCATTACAGGTATATCTGGAAA	Vancomycin
271	vanWB	CGGACAAAAGATACCCCTATAAAG	AAATAGTAAATTGCTCATCTGGCACAT	Vancomycin
272	vanWG	ACATTTTCATTTTGGCAGCTTGATAC	CCGCCATAAGAGCCTACAATCT	Vancomycin
273	vanXA	CGCTAAATATGCCACTTGGGATA	TCAAAAGCGATTACGCCAACT	Vancomycin
274	vanXB	AGGCACAAAATCGAAGATGCTT	GGGTATGGCTCATCAATCAACTT	Vancomycin
275	vanXD	TAAACCGTGTATGGGAACGAA	GCGATAGCCGTCCCATAAGA	Vancomycin
276	vanYB	GGCTAAAGCGGAAGCAGAAA	GATATCCACAGCAAGACCAAGCT	Vancomycin
277	vanYD-01	AAGGCGATACCCTGACTGTCA	ATTGCCGACGGAAGCA	Vancomycin
278	vanYD-02	CAAACGGAAGAGAGGTCACTTACA	CGGACGGTAATAGGGACTGTTT	Vancomycin
279	vatB-01	GGAAAAAGCAACTCCATCTCTTGA	TCCTGGCATAACAGTAACATTCTGA	MLSB
280	vatB-02	TTGGGAAAAAGCAACTCCATCT	CAATCCACACATCATTTCCAACA	MLSB
281	vatC-01	CGGAAATTGGGAACGATGTT	GCAATAATAGCCCCGTTTCCTA	MLSB
282	vatC-02	CGATGTTTGGATTGGACGAGAT	GCTGCAATAATAGCCCCGTTT	MLSB
283	vatE-01	GGTGCCATTATCGGAGCAAAT	TTGGATTGCCACCGACAAT	MLSB
284	vatE-02	GACCGTCTACCAGGCGTAA	TTGGATTGCCACCGACAATT	MLSB
285	vgaA-01	CGAGTATTGTGGAAAGCAGCTAGTT	CCCGTACCGTTAGAGCCGATA	MLSB
286	vgaA-02	GACGGGTATTGTGGAAAGCAA	TTTCCTGTACCATTAGATCCGATAATT	MLSB

287	vgb-01	AGGGAGGGTATCCATGCAGAT	ACCAAATGCGCCCGTTT	MLSB
288	vgbB-01	CAGCCGGATTCTGGTCCTT	TACGATCTCCATTCAATTGGGTAAA	MLSB
289	vgbB-02	ATACGAGCTGCCTAATAAAGGATCTT	TGTGAACCACAGGGCATTATCA	MLSB
290	yceE_mdtG-01	TGGCACAAAATATCTGGCAGTT	TTGTGTGGCGATAAGAGCATTAG	Multidrug
291	yceE_mdtG-02	TTATCTGTTTTCTGCTCACCTTCTTTT	GCGTGGTGACAAACAGGCTTA	Multidrug
292	yceL_mdtH-01	TCGGGATGGTGGGCAAT	CGATAACCGAGCCGATGTAGA	Multidrug
293	yceL_mdtH-02	CGCGTGAAACCTTAAGTGCTT	AGACGGCTAAACCCCATATAGCT	Multidrug
294	yceL_mdtH-03	CTGCCGTAAATGGATGTATGC	ACTCCAGCGGGCGATAGG	Multidrug
295	yidY_mdtL-01	GCAGTTGCATATCGCCTTCTC	CTTCCCGGCAAACAGCAT	Multidrug
296	yidY_mdtL-02	TGCTGATCGGGATTCTGATTG	CAGGCGCGACGAACATAAT	Multidrug
