

Supplementary Material

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Table S1: Statistical analysis using two-by-two tables of WGS and clinical breakpoints and Kappa correlations. Kappa correlation: >0.900 = almost perfect; 0.800-0.900 = strong agreement and 0.600-0.790 = moderate agreement. Abbreviations: P+ = phenotype resistant, P- = phenotype sensitive, G+ = gene/SNP present, G- = gene/SNP absent, PPV = positive predictive value, NPV = negative predictive value.

Antibiotic	Ciprofloxacin	Cefotaxime	Ceftazidime	Gentamycin	Overall
cut-off (mg/L)	Clinical 0.5	Clinical 2	Clinical 4	Clinical 4	Clinical
P+/G+	92	25	34	40	191
P-/G-	271	470	465	468	1674
G+/P-	136	20	12	5	173
G-/P+	16	0	4	2	22
specificity	67%	96%	97%	99%	91%
sensitivity	85%	100%	89%	95%	90%
PPV	40%	56%	74%	89%	52%

NPV	94%	100%	99%	100%	99%
Kappa	0.3587	0.6953	0.7928	0.9121	0.6063