

Table 1: Datasets Overview

ANTIBIOTIC CLASSIFICATION			Study Number	1	2	3	4	5	6	7	8
			References	Yamaji et al. 2018	Yamaji et al. 2018	Adams-Sapper et al. 2013	Kallonen et al. 2017	Kallonen et al. 2017	Wurster et al. 2018	Manara et al. 2018	Galloway-Peña et al. 2009
			Dataset Names	Yamaji_1999	Yamaji_2016	Addams- Sapper	Kallonen_BSAC	Kallonen_CUH	Wurster	Manara	Galloway
			Pathogen	<i>E. coli</i>	<i>E. coli</i>	<i>E. coli</i>	<i>E. coli</i>	<i>E. coli</i>	<i>S. aureus</i>	<i>S. aureus</i>	<i>E. faecium</i>
			Isolates Numbers	225	233	246	1094	415	262	184	53
			PMID	29436416	29436416	23147723	28720578	28720578	30521630	30424799	19821720
BETA- LACTAMS	PENICILLIN		Amoxicillin				×				
			Ampicillin	×	×			×			×
			Oxacillin						×	×	
			Penicillin						×	×	
	CEPHALOSPORINS	1st	Cefalotin					×			
			Cephalosporins-BS			×					
			Cefoxitin					×			
		2nd	Cefuroxime				×	×			
			Cefuroxime axetil					×			
			Cefotaxime				×	×			
		3rd	Ceftazidime				×	×			
		4th	Cefepime			×		×			
	MONOBACTAMS		Aztreonam			×		×			
	CARBAPENEMS		Carbapenem			×					
			Ertapenem					×			
			Imipenem				×				
			Meropenem					×			
DNA TOPOISOMERASES	QUINOLONES		Ciprofloxacin	×	×		×	×			
			Fluoroquinolones			×					
			Levofloxacin						×	×	
PROTEIN SYNTHESIS	AMINOGLYCOSIDES		Amikacin					×			
			Gentamicin				×	×	×	×	×
			Streptomycin								×
			Tobramycin					×			
	OXAZOLIDINONES		Linezolid						×	×	
	LINCOSAMIDES		Clindamycin						×	×	
	MACROLIDES		Erythromycin						×		
		1st	Tetracycline						×	×	
	TETRACYCLINES	3rd	Tigecycline				×	×		×	
COMBINATION	PENICILLIN COMBINATIONS		Amoxicillin-Clavulanic acid				×	×			
			Piperacillin-Tazobactam				×	×			
	SULFONAMIDES COMBINATIONS		Trimethoprim-Sulfamethoxazole	×	×	×		×	×	×	
OTHERS	LIPOPEPTIDES		Daptomycin							×	
	FUSIDANE		Fusidic acid							×	
	RIFAMYCINS		Rifampicin							×	
	DIAMINOPYRIMIDINES		Trimethoprim								
	GLYCOPEPTIDE		Teicoplanin							×	
			Vancomycin						×	×	×