

Supplementary Table 3 - Presence of antibiotic resistance genes inferred by CARD database

ARO category	gene			
		1	10	11
antibiotic inactivation enzyme; determinant of aminoglycoside resistance	<i>AAC(6')-Iz</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>acrB</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>adeA</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>adeB</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance; protein(s) and two-component regulatory system modulating antibiotic efflux	<i>adeL</i>	1	1	1
antibiotic inactivation enzyme; determinant of aminoglycoside resistance	<i>APH(3')-IIc</i>	1	1	1
antibiotic target modifying enzyme; determinant of resistance to peptide antibiotics	<i>Brucella suis mprF</i>	1	1	1
antibiotic inactivation enzyme; determinant of beta-lactam resistance	L1 beta-lactamase	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>macA</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>macB</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>MexJ</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>MexK</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>MexW</i>	1	1	1
antibiotic target protection protein; determinant of fluoroquinolone resistance	<i>mfd</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>msbA</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>MuxB</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>MuxC</i>	1	1	1
antibiotic resistant gene variant or mutant; determinant of beta-lactam resistance	<i>Neisseria meningitidis</i> PBP2 conferring resistance to beta-lactam	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>OprN</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>oqxA</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>oqxB</i>	1	1	1
determinant of polymyxin resistance; gene altering cell wall charge	<i>PmrC</i>	1	0	1
efflux pump complex or subunit conferring antibiotic resistance	<i>rosB</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>smeA</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>smeB</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>smeC</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>smeD</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>smeE</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>smeF</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance; protein(s) and two-component regulatory system modulating antibiotic efflux	<i>smeR</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance; protein(s) and two-component regulatory system modulating antibiotic efflux	<i>smeS</i>	1	1	1
efflux pump complex or subunit conferring antibiotic resistance	<i>mdtB</i>	0	0	0

efflux pump complex or subunit conferring antibiotic resistance	<i>mdtC</i>	0	0	0
efflux pump complex or subunit conferring antibiotic resistance	<i>MuxA</i>	0	0	0
determinant of polymyxin resistance; gene altering cell wall charge	<i>PmrE</i>	0	0	0
efflux pump complex or subunit conferring antibiotic resistance	<i>acrD</i>	0	0	0
antibiotic inactivation enzyme; determinant of aminoglycoside resistance	<i>ANT(2'')-Ia</i>	0	0	0
antibiotic target replacement protein; determinant of sulfonamide resistance	<i>sulI</i>	0	0	0
antibiotic inactivation enzyme; determinant of aminoglycoside resistance	<i>AAC(6')-3I</i>	0	0	0
antibiotic resistant gene variant or mutant; determinant of isoniazid resistance; determinant of triclosan resistance	antibiotic resistant <i>fabI</i>	0	0	0
efflux pump complex or subunit conferring antibiotic resistance	<i>mexM</i>	0	0	0
efflux pump complex or subunit conferring antibiotic resistance	<i>mexN</i>	0	0	0
efflux pump complex or subunit conferring antibiotic resistance	<i>floR</i>	0	0	0
efflux pump complex or subunit conferring antibiotic resistance	<i>qacH</i>	0	0	0
antibiotic inactivation enzyme; determinant of aminoglycoside resistance	<i>AAC(3)-IIa</i>	0	0	0
efflux pump complex or subunit conferring antibiotic resistance	<i>tet(G)</i>	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
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1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
