

Specific Amino Acid Substitutions in OXA-51-Type β -Lactamase Enhance Catalytic Activity to a Level Comparable to Carbapenemase OXA-23 and OXA-24/40

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Table S1. Characteristics of 14 *A. baumannii* clinical strains included in this study.

Strain	Year and Place of Isolation	ST Type (Oxford)	International Clone	Presence of Resistance Determinants						
				<i>carO</i>	<i>adeB</i>	<i>adeRS</i>	<i>bla</i> _{OXA-51} Variants	<i>ISAbal-bla</i> _{OXA-51}	<i>bla</i> _{OXA-} 24/40	<i>ISAbal-bla</i> _{OXA23}
AB1	2004, Hong Kong	208	IC II	+	+	-	OXA-83	+	-	-
AB2	2008, Hong Kong	940	Non-IC II	+	+	+	OXA-99	-	OXA-23	+
AB3	2011, Hong Kong	208	IC II	+	-	-	OXA-66	+	OXA-23 [#]	+
AB4	2011, Hong Kong	253	IC II	+	+	+	OXA-66	-	OXA-23	+
AB5	2004, Hong Kong	940	Non-IC II	+	+	+	OXA-99	-	OXA-23	+
AB7	2011, Hong Kong	208	IC II	+	+	+	OXA-82	+	-	-
AB8	2003, Hong Kong	208	IC II	+	+	+	OXA-82	+	-	-
AB10	2000, Hong Kong	208	IC II	+	+	+	OXA-66	-	-	-
MH1	2000, Hong Kong	684	IC II	+	+	+	OXA-66	-	-	-
MH2	2010, Hong Kong	218	IC II	+	+	+	OXA-66	-	OXA-72	-
MH3	2011, Hong Kong	208	IC II	+	+	+	OXA-79	+	-	-
MH5	2006, Hong Kong	940	Non-IC II	+	-	-	OXA-99	-	OXA-23	+
MH6	2013, Henan, China	195	IC II	+	+	+	OXA-66	-	OXA-23	+
MH7	2013, Henan, China	369	IC II	+	+	+	OXA-66	-	OXA-23 [#]	+

Presence of endogenous genes and other resistance determinants were obtained from analysis of whole genome sequences. [#] Chromosomal located.