

**S2 Table. Screening test two-level orthogonal array experimental design and experimental results.**

Run/Drug																% Inhibition		
	AC	CFZ	CYC	EMB	INH	LZD	MXF	PA824	PAS	PRO	PZA	RIF	SQ109	BDQ	DLM	Mean	N	SE
Control 1 (no infection control)																97%	18	0.3%
Control 2 (no IPTG control)																93%	18	0.5%
Control 3 (no drug control)																-1%	18	5.4%
Control 4 (all drug control, at 10% drug effect level)																61%	9	1.6%
1	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	25%	3	3.6%
2	2	1	1	1	1	1	2	2	1	2	2	2	2	1	1	31%	3	2.2%
3	1	1	2	1	2	1	1	2	2	2	1	1	2	2	1	28%	3	1.5%
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	56%	3	3.4%
5	1	2	1	2	1	2	1	2	1	2	1	1	2	1	2	58%	3	1.4%
6	1	2	2	2	1	1	2	1	1	2	1	2	1	2	1	38%	3	3.0%
7	1	2	2	1	1	1	2	1	2	1	2	1	2	1	2	10%	3	3.4%
8	1	1	1	1	2	2	2	1	2	2	1	2	1	1	2	17%	3	3.6%
9	2	1	2	1	1	2	1	1	1	2	2	1	1	2	2	29%	3	8.4%
10	1	2	1	1	1	2	1	2	2	1	2	2	1	2	1	28%	3	5.1%
11	2	1	2	2	1	2	1	1	2	1	1	2	2	1	1	48%	3	2.1%
12	2	2	1	1	2	1	1	1	1	1	1	2	2	2	2	32%	3	5.7%
13	2	2	1	2	2	1	1	1	2	2	2	1	1	1	1	57%	3	1.7%
14	1	1	2	2	2	1	1	2	1	1	2	2	1	1	2	51%	3	3.3%
15	2	1	1	2	1	1	2	2	2	1	1	1	1	2	2	59%	3	3.0%
16	1	1	1	2	2	2	2	1	1	1	2	1	2	2	1	43%	3	4.5%
17	1	2	2	2	1	2	2	2	1	1	2	2	2	1	1	26%	3	2.3%
18	1	2	1	1	1	1	1	1	2	2	1	2	2	1	1	3%	3	5.1%
19	2	2	1	1	2	2	1	2	1	2	2	2	1	1	2	62%	3	0.7%
20	2	2	2	2	2	1	2	1	2	1	1	2	1	1	2	55%	3	0.9%
21	2	1	1	1	1	2	2	1	1	1	1	2	1	2	1	42%	3	2.5%
22	2	2	1	2	2	2	1	2	2	1	1	1	2	2	1	57%	3	1.5%
23	1	1	1	1	2	1	2	2	2	1	2	2	2	2	2	46%	3	1.4%
24	1	1	2	2	2	2	1	1	1	2	1	2	2	2	2	49%	3	2.1%
25	2	1	2	1	1	1	1	2	1	1	1	1	2	1	2	41%	3	1.0%
26	1	2	2	1	1	2	2	2	2	2	1	1	1	2	2	25%	3	6.0%
27	1	1	1	2	2	1	2	2	1	2	1	1	1	1	1	28%	3	3.7%
28	2	1	2	2	1	1	1	2	2	2	2	2	1	2	1	53%	3	3.2%
29	1	1	2	1	2	2	1	1	2	1	2	1	1	1	1	-2%	3	6.6%
30	2	1	1	2	1	2	2	1	2	2	2	1	2	1	2	33%	3	3.9%
31	1	2	1	2	1	1	1	1	1	1	2	1	1	2	2	52%	3	2.0%
32	2	2	2	1	2	1	2	1	1	2	2	1	2	2	1	35%	3	1.7%
33	1	1	1	2	1	2	1	1	1	2	2	2	1	1	1	36%	3	4.3%
34	2	2	2	2	1	2	1	2	2	1	2	1	1	1	2	52%	3	2.5%
35	1	2	1	1	2	2	2	2	2	2	2	1	2	1	1	29%	3	2.1%
36	1	2	2	1	2	1	1	1	2	2	2	2	1	2	2	27%	3	1.0%
37	1	1	1	1	1	2	1	1	2	1	1	1	2	2	2	23%	3	2.4%
38	2	1	1	2	2	1	1	2	2	2	1	2	2	1	2	72%	3	0.7%
39	1	2	1	2	2	2	2	2	1	1	1	2	1	2	2	70%	3	1.6%
40	1	1	2	2	1	1	2	2	1	2	2	1	2	2	2	43%	3	2.2%
41	2	2	2	1	1	2	1	2	1	2	1	2	2	2	1	26%	3	4.8%
42	2	1	2	1	2	2	2	1	1	1	2	2	2	1	2	49%	3	2.3%
43	1	1	2	1	1	1	2	2	2	1	1	2	1	1	1	13%	3	1.8%
44	2	2	1	1	1	1	2	1	1	2	1	1	1	1	2	40%	3	3.0%
45	2	1	1	1	2	1	1	2	1	1	2	1	1	2	1	43%	3	4.7%
46	1	2	2	2	2	1	1	1	1	1	1	1	2	1	1	12%	3	2.8%
47	2	2	1	2	1	1	2	1	2	1	2	2	2	2	1	56%	3	1.8%
48	2	1	2	2	2	2	2	1	2	2	1	1	1	2	1	20%	3	9.3%
49	1	2	1	2	2	2	1	1	2	1	2	2	2	1	2	59%	3	1.8%
50	2	1	1	1	2	1	2	1	2	1	1	1	2	1	1	6%	3	4.8%
51	2	2	2	2	1	2	2	1	1	1	1	1	2	2	2	57%	3	0.7%
52	2	1	2	2	2	2	1	2	1	2	2	1	2	1	1	30%	3	3.2%
53	1	1	1	1	1	2	2	2	1	1	2	1	1	1	2	15%	3	3.9%
54	1	2	1	1	2	2	1	1	1	2	1	1	1	2	1	34%	3	0.9%
55	2	1	1	2	2	1	2	1	1	2	2	1	2	2	2	75%	3	1.7%
56	1	2	2	1	2	1	2	2	1	2	1	2	2	1	2	25%	3	1.4%
57	2	2	1	2	1	1	1	2	1	1	1	2	1	1	1	61%	3	3.3%
58	1	2	2	2	2	1	2	2	2	1	2	1	1	2	1	40%	3	3.8%
59	2	2	2	1	1	2	2	1	2	2	2	2	1	1	1	20%	3	2.2%
60	1	1	2	2	1	1	1	1	2	2	1	1	1	1	2	27%	3	1.7%
61	1	1	2	1	1	1	1	1	1	1	2	2	2	2	1	4%	3	5.2%
62	1	1	1	2	1	2	2	2	2	2	1	2	2	2	1	57%	3	0.4%
63	2	1	2	1	2	2	1	2	2	1	1	2	1	2	2	49%	3	1.7%
64	2	2	1	1	1	1	1	2	2	2	2	1	2	2	2	62%	3	2.1%
65	1	1	1	1	2	2	1	2	1	1	1	2	2	1	1	13%	3	3.4%

66	2	1	2	1	1	2	2	2	2	2	1	2	1	2	2	1	39%	3	3.3%
67	1	2	1	1	1	2	2	1	1	2	2	2	2	2	2	2	47%	3	1.1%
68	2	2	2	1	2	2	1	1	2	2	1	1	2	1	2	31%	3	5.9%	
69	2	1	1	1	1	1	1	1	2	1	2	2	1	1	2	48%	3	1.8%	
70	1	1	2	1	2	1	2	1	1	1	1	1	1	2	2	14%	3	9.5%	
71	1	2	1	2	1	2	2	1	2	1	1	1	1	1	1	33%	3	3.2%	
72	2	2	1	1	2	1	2	2	2	2	1	2	1	2	1	32%	3	2.3%	
73	1	1	1	2	2	2	1	2	2	2	2	1	1	2	2	59%	3	1.2%	
74	2	2	1	2	2	1	2	2	1	1	2	1	2	1	2	70%	3	2.2%	
75	1	2	2	1	1	1	1	2	1	2	2	1	1	1	1	12%	3	5.2%	
76	2	1	1	2	1	1	1	1	1	2	1	1	2	2	1	39%	3	1.3%	
77	1	1	2	2	2	1	2	1	2	2	2	2	2	1	1	32%	3	3.6%	
78	1	2	2	2	1	1	1	2	2	1	1	2	2	2	2	61%	3	1.4%	
79	2	2	2	2	2	2	1	1	1	1	2	2	1	2	1	51%	3	2.9%	
80	2	1	2	2	1	2	2	2	1	2	1	2	1	1	2	75%	3	1.0%	
81	2	1	1	2	2	2	2	2	2	1	2	2	1	1	1	63%	3	1.4%	
82	1	2	1	2	2	1	1	2	1	2	2	2	2	2	1	49%	3	3.3%	
83	1	1	1	2	1	1	2	1	1	1	1	2	2	1	2	63%	3	1.0%	
84	2	2	2	2	1	1	2	2	2	2	1	1	2	1	1	44%	3	5.1%	
85	2	1	1	1	2	2	2	2	1	2	1	1	2	2	2	60%	3	1.4%	
86	1	2	2	1	2	2	2	1	2	1	1	2	2	2	1	11%	3	2.3%	
87	2	1	2	1	2	1	1	1	1	2	1	2	1	1	1	32%	3	1.3%	
88	2	1	2	2	2	1	1	1	2	1	2	1	2	2	2	45%	3	4.5%	
89	2	2	1	2	1	2	1	1	2	2	1	2	1	2	2	63%	3	3.3%	
90	1	1	2	1	1	2	1	2	2	2	2	2	2	1	2	49%	3	0.9%	
91	2	2	1	1	1	2	1	1	1	1	2	1	2	1	1	40%	3	2.3%	
92	1	2	1	1	2	1	1	2	2	1	1	1	1	1	2	39%	3	1.1%	
93	1	1	1	1	1	1	2	1	2	2	2	1	1	2	1	16%	3	12.0%	
94	2	2	2	1	1	1	2	2	1	1	2	2	1	2	2	40%	3	1.0%	
95	1	1	2	2	1	2	1	2	1	1	1	1	1	2	1	41%	3	1.0%	
96	1	2	2	2	2	2	2	1	1	2	2	1	1	1	2	34%	3	4.7%	
97	1	2	1	1	1	1	2	2	1	1	1	1	2	2	1	27%	3	4.0%	
98	2	2	1	2	2	2	2	1	1	2	1	2	2	1	1	45%	3	0.3%	
99	1	1	2	2	2	2	2	2	2	1	1	1	2	1	2	41%	3	3.1%	
100	2	2	1	1	2	2	2	1	2	1	2	1	1	2	2	58%	3	1.4%	
101	2	1	1	2	1	2	1	2	1	1	2	2	2	2	2	80%	3	1.0%	
102	1	2	2	1	1	2	1	1	1	1	1	2	1	1	2	3%	3	2.0%	
103	2	1	2	2	1	1	2	1	1	1	2	1	1	1	1	39%	3	3.2%	
104	1	1	1	2	2	1	1	1	2	1	1	2	1	2	1	50%	3	2.0%	
105	2	1	2	1	1	1	2	1	2	2	1	2	2	2	2	41%	3	4.0%	
106	2	1	1	1	1	2	1	2	2	2	1	1	1	1	1	30%	3	3.2%	
107	2	2	2	2	2	1	1	2	1	2	1	1	1	2	2	58%	3	0.3%	
108	1	2	2	2	1	2	1	1	2	2	2	1	2	2	1	46%	3	2.7%	
109	1	1	1	1	2	1	1	1	1	2	2	1	2	1	2	21%	3	2.3%	
110	1	2	1	2	1	1	2	2	2	2	2	2	1	1	2	69%	3	1.1%	
111	1	1	2	1	2	2	2	2	1	2	2	2	1	2	1	4%	3	9.8%	
112	2	2	2	1	2	1	1	2	2	1	2	2	2	1	1	27%	3	3.1%	
113	2	2	2	1	1	1	1	1	2	1	1	1	1	2	1	33%	3	4.0%	
114	1	1	1	1	1	1	1	2	1	2	1	2	1	2	2	52%	3	3.3%	
115	2	1	2	2	2	1	2	2	1	1	1	2	2	2	1	57%	3	1.3%	
116	1	1	1	2	1	1	1	2	2	1	2	1	2	1	1	29%	3	4.7%	
117	2	2	2	2	1	1	1	1	1	2	2	2	2	1	2	45%	3	2.9%	
118	1	1	2	2	1	2	2	1	2	1	2	2	1	2	2	48%	3	3.2%	
119	1	2	1	1	2	1	2	1	1	1	2	2	1	1	1	6%	3	3.2%	
120	1	2	1	2	2	1	2	2	1	2	2	1	1	2	2	52%	3	5.1%	
121	1	2	2	2	2	2	1	2	2	2	1	2	1	1	1	33%	3	1.6%	
122	2	1	1	1	2	2	1	1	2	2	2	2	2	2	1	47%	3	3.3%	
123	1	2	2	1	2	2	1	2	1	1	2	1	2	2	2	40%	3	3.9%	
124	1	1	2	1	1	2	2	1	1	2	1	1	2	1	1	-13%	3	2.7%	
125	2	2	1	1	1	2	2	2	2	1	1	2	2	1	2	54%	3	2.6%	
126	2	1	2	1	2	1	2	2	2	2	2	1	1	1	2	31%	3	2.1%	
127	2	1	1	2	2	2	1	1	1	1	1	1	1	1	2	58%	3	1.9%	
128	2	2	1	2	1	2	2	2	1	2	2	1	1	2	1	60%	3	0.7%	
129	1	1	2	2	1	1	2	1	2	1	2	1	1	2	1	31%	3	0.6%	
130	1	1	1	1	1	1	2	1	1	2	2	2	2	2	1	25%	3	1.1%	
131	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	21%	3	2.7%	
132	1	1	1	2	2	1	1	2	2	2	2	1	2	2	1	47%	3	1.7%	
133	1	2	1	2	1	2	1	1	2	2	1	2	1	1	1	48%	3	2.0%	
134	1	1	1	1	1	1	2	2	1	1	1	1	2	1	2	19%	3	9.7%	
135	1	1	2	2	2	1	2	1	2	1	2	1	2	2	2	39%	3	4.8%	
136	2	2	2	1	1	1	2	1	2	2	1	2	1	1	2	24%	3	1.2%	
137	1	2	1	1	2	2	1	2	1	2	1	2	2	2	2	48%	3	3.9%	
138	2	2	1	2	2	1	1	2	2	1	2	1	2	1	1	48%	3	0.6%	
139	1	2	1	1	1	1	1	1	2	1	2	2	1	1	2	32%	3	3.8%	
140	1	2	1	2	1	2	2	2	1	1	1	2	2	2	1	49%	3	2.8%	

<b>141</b>	2	1	1	1	2	1	2	2	2	2	1	1	2	1	1	33%	3	3.2%
<b>142</b>	1	1	2	2	2	2	1	1	1	1	2	1	1	1	2	31%	3	1.6%
<b>143</b>	2	1	1	1	2	1	1	1	2	1	2	2	1	2	1	27%	3	1.6%
<b>144</b>	2	1	1	2	1	1	1	1	2	1	1	2	2	1	2	71%	3	0.6%
<b>145</b>	2	2	1	2	1	1	1	2	1	1	1	2	2	1	2	74%	3	1.0%
<b>146</b>	1	1	2	1	2	1	2	2	2	2	1	2	1	1	2	19%	3	1.3%
<b>147</b>	2	2	2	1	2	1	2	2	2	2	2	1	2	2	1	37%	3	2.3%
<b>148</b>	1	1	2	1	2	1	2	2	2	1	2	1	2	2	1	32%	3	4.3%
<b>149</b>	1	1	2	1	2	2	1	1	2	1	1	2	2	2	1	21%	3	3.4%
<b>150</b>	2	1	2	2	1	2	2	2	1	2	1	1	1	1	1	29%	3	3.7%
<b>SR</b>																31%	3	0.3%

Drug dose “1” and “2” represent 0% and 10% of the drug effect level, respectively. Data shown are mean % inhibition, number of replicates (N), and standard error (SE). SR, Standard Regimen tested at 10% of the drug effect level.