

**S4 Table. Iteration 2, three-level orthogonal array central composite design and experimental results.**

Run/Drug	AC	CFZ	EMB	PA824	PZA	RIF	SQ109	BDQ	DLM	% Inhibition		
										Mean	N	SE
Control 1 (no infection control)										99%	6	0.1%
Control 2 (no IPTG control)										98%	7	0.1%
Control 3 (no drug control)										0%	8	6.4%
Control 4 (all drug control, at 15% drug effect level)										89%	3	0.5%
1	1	1	1	1	1	1	1	1	1	-8%	3	7.5%
2	1	1	1	1	1	1	3	1	3	57%	3	4.6%
3	1	1	1	1	1	3	1	1	3	84%	3	0.4%
4	1	1	1	1	1	3	3	1	1	80%	3	3.0%
5	1	1	1	1	3	1	1	3	1	34%	3	3.7%
6	1	1	1	1	3	1	3	3	3	67%	3	5.8%
7	1	1	1	1	3	3	1	3	3	85%	3	3.0%
8	1	1	1	1	3	3	3	3	1	80%	3	1.8%
9	1	1	1	3	1	1	1	3	1	47%	3	3.7%
10	1	1	1	3	1	1	3	3	3	79%	3	2.8%
11	1	1	1	3	1	3	1	3	3	95%	3	0.5%
12	1	1	1	3	1	3	3	3	1	81%	3	0.1%
13	1	1	1	3	3	1	1	1	1	31%	3	2.7%
14	1	1	1	3	3	1	3	1	3	83%	3	2.9%
15	1	1	1	3	3	3	1	1	3	94%	3	0.9%
16	1	1	1	3	3	3	3	1	1	88%	3	0.9%
17	1	1	3	1	1	1	1	3	3	62%	3	3.4%
18	1	1	3	1	1	1	3	3	1	51%	3	2.3%
19	1	1	3	1	1	3	1	3	1	93%	3	0.4%
20	1	1	3	1	1	3	3	3	3	93%	3	0.3%
21	1	1	3	1	3	1	1	1	3	69%	3	3.8%
22	1	1	3	1	3	1	3	1	1	50%	3	3.7%
23	1	1	3	1	3	3	1	1	1	91%	3	1.9%
24	1	1	3	1	3	3	3	1	3	92%	3	0.6%
25	1	1	3	3	1	1	1	1	3	83%	3	0.5%
26	1	1	3	3	1	1	3	1	1	61%	3	1.9%
27	1	1	3	3	1	3	1	1	1	96%	3	0.6%
28	1	1	3	3	1	3	3	1	3	97%	3	0.2%
29	1	1	3	3	3	1	1	3	3	85%	3	1.9%
30	1	1	3	3	3	1	3	3	1	76%	3	1.0%
31	1	1	3	3	3	3	1	3	1	94%	3	0.4%
32	1	1	3	3	3	3	3	3	3	97%	3	0.3%
33	1	3	1	1	1	1	1	3	3	65%	3	2.2%
34	1	3	1	1	1	1	3	3	1	72%	3	3.0%
35	1	3	1	1	1	3	1	3	1	47%	3	1.7%
36	1	3	1	1	1	3	3	3	3	83%	3	0.7%
37	1	3	1	1	3	1	1	1	3	83%	3	1.2%
38	1	3	1	1	3	1	3	1	1	74%	3	3.2%
39	1	3	1	1	3	3	1	1	1	66%	3	2.2%
40	1	3	1	1	3	3	3	1	3	89%	3	1.5%
41	1	3	1	3	1	1	1	1	3	89%	3	0.8%
42	1	3	1	3	1	1	3	1	1	78%	3	2.5%
43	1	3	1	3	1	3	1	1	1	52%	3	2.3%
44	1	3	1	3	1	3	3	1	3	91%	3	0.3%
45	1	3	1	3	3	1	1	3	3	88%	3	1.0%
46	1	3	1	3	3	1	3	3	1	85%	3	1.2%
47	1	3	1	3	3	3	1	3	1	80%	3	1.4%
48	1	3	1	3	3	3	3	3	3	88%	3	1.2%
49	1	3	3	1	1	1	1	1	1	72%	3	1.8%
50	1	3	3	1	1	1	3	1	3	83%	3	0.7%
51	1	3	3	1	1	3	1	1	3	94%	3	1.3%
52	1	3	3	1	1	3	3	1	1	84%	3	1.2%
53	1	3	3	1	3	1	1	3	1	84%	3	2.6%
54	1	3	3	1	3	1	3	3	3	90%	3	1.9%
55	1	3	3	1	3	3	1	3	3	90%	3	0.4%
56	1	3	3	1	3	3	3	3	1	85%	3	2.5%
57	1	3	3	3	1	1	1	3	1	84%	3	1.1%
58	1	3	3	3	1	1	3	3	3	87%	3	0.1%
59	1	3	3	3	1	3	1	3	3	92%	3	0.4%
60	1	3	3	3	1	3	3	3	1	84%	3	1.0%
61	1	3	3	3	3	1	1	1	1	86%	3	0.9%
62	1	3	3	3	3	1	3	1	3	88%	3	2.1%
63	1	3	3	3	3	3	1	1	3	93%	3	0.6%
64	1	3	3	3	3	3	3	1	1	89%	3	0.7%
65	3	1	1	1	1	1	1	3	3	64%	3	7.0%

66	3	1	1	1	1	1	3	3	1	47%	3	1.0%
67	3	1	1	1	1	3	1	3	1	61%	3	2.6%
68	3	1	1	1	1	3	3	3	3	92%	3	0.6%
69	3	1	1	1	3	1	1	1	3	73%	3	4.5%
70	3	1	1	1	3	1	3	1	1	63%	3	2.1%
71	3	1	1	1	3	3	1	1	1	79%	3	3.3%
72	3	1	1	1	3	3	3	1	3	94%	3	0.7%
73	3	1	1	3	1	1	1	1	3	86%	3	1.9%
74	3	1	1	3	1	1	3	1	1	69%	3	1.0%
75	3	1	1	3	1	3	1	1	1	76%	3	1.9%
76	3	1	1	3	1	3	3	1	3	95%	3	1.1%
77	3	1	1	3	3	1	1	3	3	87%	3	1.2%
78	3	1	1	3	3	1	3	3	1	76%	3	1.3%
79	3	1	1	3	3	3	1	3	1	84%	3	1.4%
80	3	1	1	3	3	3	3	3	3	97%	3	0.3%
81	3	1	3	1	1	1	1	1	1	71%	3	2.6%
82	3	1	3	1	1	1	3	1	3	89%	3	1.0%
83	3	1	3	1	1	3	1	1	3	99%	3	0.0%
84	3	1	3	1	1	3	3	1	1	89%	3	0.6%
85	3	1	3	1	3	1	1	3	1	67%	3	1.6%
86	3	1	3	1	3	1	3	3	3	84%	3	2.5%
87	3	1	3	1	3	3	1	3	3	98%	3	0.2%
88	3	1	3	1	3	3	3	3	1	87%	3	1.1%
89	3	1	3	3	1	1	1	3	1	85%	3	1.3%
90	3	1	3	3	1	1	3	3	3	91%	3	0.5%
91	3	1	3	3	1	3	1	3	3	99%	3	0.1%
92	3	1	3	3	1	3	3	3	1	93%	3	0.3%
93	3	1	3	3	3	1	1	1	1	82%	3	1.1%
94	3	1	3	3	3	1	3	1	3	94%	3	0.6%
95	3	1	3	3	3	3	1	1	3	99%	3	0.1%
96	3	1	3	3	3	3	3	1	1	94%	3	0.4%
97	3	3	1	1	1	1	1	1	1	59%	3	4.0%
98	3	3	1	1	1	1	3	1	3	87%	3	0.9%
99	3	3	1	1	1	3	1	1	3	88%	3	1.3%
100	3	3	1	1	1	3	3	1	1	81%	3	2.4%
101	3	3	1	1	3	1	1	3	1	74%	3	0.9%
102	3	3	1	1	3	1	3	3	3	89%	3	1.2%
103	3	3	1	1	3	3	1	3	3	87%	3	0.6%
104	3	3	1	1	3	3	3	3	1	85%	3	0.5%
105	3	3	1	3	1	1	1	3	1	71%	3	1.3%
106	3	3	1	3	1	1	3	3	3	91%	3	0.9%
107	3	3	1	3	1	3	1	3	3	90%	3	0.5%
108	3	3	1	3	1	3	3	3	1	82%	3	1.3%
109	3	3	1	3	3	1	1	1	1	80%	3	1.6%
110	3	3	1	3	3	1	3	1	3	89%	3	2.1%
111	3	3	1	3	3	3	1	1	3	91%	3	1.3%
112	3	3	1	3	3	3	3	1	1	86%	3	1.4%
113	3	3	3	1	1	1	1	3	3	92%	3	0.2%
114	3	3	3	1	1	1	3	3	1	78%	3	1.1%
115	3	3	3	1	1	3	1	3	1	85%	3	1.0%
116	3	3	3	1	1	3	3	3	3	89%	3	1.3%
117	3	3	3	1	3	1	1	1	3	90%	3	1.3%
118	3	3	3	1	3	1	3	1	1	83%	3	2.7%
119	3	3	3	1	3	3	1	1	1	90%	3	0.4%
120	3	3	3	1	3	3	3	1	3	88%	3	0.6%
121	3	3	3	3	1	1	1	1	3	90%	3	0.7%
122	3	3	3	3	1	1	3	1	1	85%	3	1.1%
123	3	3	3	3	1	3	1	1	1	91%	3	0.6%
124	3	3	3	3	1	3	3	1	3	90%	3	0.9%
125	3	3	3	3	3	1	1	3	3	93%	3	0.4%
126	3	3	3	3	3	1	3	3	1	85%	3	1.6%
127	3	3	3	3	3	3	1	3	1	89%	3	0.3%
128	3	3	3	3	3	3	3	3	3	91%	3	0.4%
129	1	1	1	1	1	1	1	1	1	2%	3	7.8%
130	1	1	2	2	1	3	2	3	3	96%	3	0.4%
131	1	1	3	3	1	2	3	2	2	91%	3	0.2%
132	1	2	1	2	3	2	1	2	3	90%	3	0.8%
133	1	2	2	3	3	1	2	1	2	80%	3	2.6%
134	1	2	3	1	3	3	3	3	1	87%	3	0.6%
135	1	3	1	3	2	3	1	3	2	75%	3	1.9%
136	1	3	2	1	2	2	2	2	1	56%	3	2.8%
137	1	3	3	2	2	1	3	1	3	87%	3	1.0%
138	2	1	1	2	2	2	2	1	2	39%	3	4.1%
139	2	1	2	3	2	1	3	3	1	68%	3	1.7%
140	2	1	3	1	2	3	1	2	3	98%	3	0.1%

141	2	2	1	3	1	3	2	2	1	69%	3	2.8%
142	2	2	2	1	1	2	3	1	3	90%	3	0.4%
143	2	2	3	2	1	1	1	3	2	88%	3	1.0%
144	2	3	1	1	3	1	2	3	3	85%	3	1.3%
145	2	3	2	2	3	3	3	2	2	86%	3	1.1%
146	2	3	3	3	3	2	1	1	1	87%	3	0.6%
147	3	1	1	3	3	3	3	1	3	96%	3	0.1%
148	3	1	2	1	3	2	1	3	2	84%	3	0.3%
149	3	1	3	2	3	1	2	2	1	58%	3	6.4%
150	3	2	1	1	2	1	3	2	2	71%	3	2.9%
151	3	2	2	2	2	3	1	1	1	84%	3	1.8%
152	3	2	3	3	2	2	2	3	3	93%	3	0.4%
153	3	3	1	2	1	2	3	3	1	75%	3	3.0%
154	3	3	2	3	1	1	1	2	3	91%	3	0.8%
155	3	3	3	1	1	3	2	1	2	86%	3	0.6%
SR										70%	3	1.8%

Drug dose “1”, “2” and “3” represent 0%, 7.5% and 15% of the drug effect level, respectively. Data shown are mean % inhibition, number of replicates (N), and standard error (SE). SR, Standard Regimen tested at 15% of the drug effect level.