S8 Table. *In vivo* treatment efficacy of the 14 top 4-drug experimental regimens identified from studies in *M. tuberculosis* infected THP-1 macrophages using the PRS platform.

Group	Treatment ^a		Lung burden in mouse (log ₁₀ CFU)				
	Drug combination (mg/kg)	1	2	3	4	5	Mean ± SE
Α	Sham						
		7.59	7.33	7.61	7.63	7.65	7.56 ± 0.06
В	Standard Regimen ^b						
	INH,RIF,EMB,PZA (25,10,100,150)	4.69	4.78	4.78	4.79	4.36	4.68 ± 0.08
С	PRS Regimen II						
	CFZ,BDQ,PZA,EMB (25,30,450,100)	0.78	0.78	0.00	0.95	0.60	0.62 ± 0.1
D	Experimental Regimen ^c						
	RPT,AC,DLM,SQ109 (10,200-50,2.5,25)	3.78	3.61	3.77	3.83	3.79	3.76 ± 0.0
E	Experimental Regimen						
	RPT,AC,DLM,PA824 (10,200-50,2.5,100)	≥5.00	≥5.00	≥5.00	≥5.00	≥5.00	
F	Experimental Regimen						
	RPT,AC,PA824,SQ109 (10,200-50,100,25)	≥5.00	≥5.00	≥5.00	≥5.00	≥5.00	
G	Experimental Regimen						
	RPT,AC,BDQ,SQ109 (10,200-50,30,25)	3.06	3.01	2.60	2.76	2.89	2.86 ± 0.0
Н	Experimental Regimen						
	RPT,AC,CFZ,DLM (10,200-50,25,2.5)	2.65	3.33	3.31	2.99	3.28	3.11 ± 0.1
I	Experimental Regimen						
	RPT,AC,BDQ,DLM (10,200-50,30,2.5)	2.95	3.17	2.77	2.64	3.20	2.95 ± 0.1
J	Experimental Regimen						
	RPT,AC,BDQ,CFZ (10,200-50,30,25)	1.56	2.10	2.27	1.87	1.74	1.91 ± 0.1
K .	Experimental Regimen	. = 00	. = 00	. = 00	. = 00	. = 00	
	RPT,DLM,PA824,SQ109 (10,2.5,100,25)	≥5.00	≥5.00	≥5.00	≥5.00	≥5.00	
L	Experimental Regimen	4 40	4 72	4 20	4.70	4.04	4.60 . 0.4
	CFZ,AC,BDQ,DLM (25,200-50,30,2.5)	1.40	1.72	1.20	1.78	1.91	1.60 ± 0.1
M	Experimental Regimen	0.40	1.00	0.60	0.05	0.20	0.66 + 0.4
N O	CFZ,AC,BDQ,PZA (25,200-50,30,450)	0.48	1.08	0.60	0.85	0.30	0.66 ± 0.1
	Experimental Regimen	۸۳ ۵۵	>F 00	>F 00	>F 00	>F 00	
	CFZ,AC,DLM,PA824 (25,200-50,2.5,100) Experimental Regimen	≥5.00	≥5.00	≥5.00	≥5.00	≥5.00	
		3.24	2 1 5	2.40	2 20	2 24	2 26 + 0 0
Р	CFZ,BDQ,PA824,SQ109 (25,30,100,25) Experimental Regimen	5.24	3.15	3.40	3.28	3.24	3.26 ± 0.0
	CFZ,BDQ,DLM,PZA (25,30,2.5,450)	0.74	1.26	1.23	0.70	0.90	0.97 ± 0.1
Q	Experimental Regimen	0.74	1.20	1.25	0.70	0.50	0.57 ± 0.1
	CFZ,BDQ,DLM,PA824 (25,30,2.5,100)	3.34	3.12	3.23	3.19	3.48	3.27 ± 0.0
	Ci 2,000,011vi,FA024 (23,30,2.3,100)	3.34	3.12	3.23	3.13	3.40	J.Z/ ± U.C

^aBALB/c mice (17 groups, 5 mice/group) were infected with 2.5 log₁₀ CFU of *M. tuberculosis* Erdman by aerosol. Two weeks later, the number of bacteria in the lung increased to 6.01 logs at which time the treatment were initiated. The mice received sham treatment or treatment with the Standard Regimen, PRS Regimen II, or one of the fourteen top 4-drug experimental regimens by oral gavage 5 days per week (Monday-Friday) for 3 weeks. Three days after the last treatment, mice were euthanized to determine the lung burden of *M. tuberculosis*. ^bRIF in the Standard Regimen represents rifampicin.

cRPT in all experimental regimens represents rifapentine.