SUPPLEMENTAL MATERIALS

Figure S1. *M. tuberculosis* lung CFU counts during 12 weeks of treatment.
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Table S1. CFU count data from quantitative cultures of the bacterial suspensions used for aerosol infections.
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Table S2. CFU count data used to calculate the number of bacteria implanted in mouse lungs following aerosol infections.
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Table S3. CFU count data from quantitative cultures of mouse lung homogenates at Day 0.
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Table S4. CFU count data from quantitative cultures of mouse lung homogenates at Week 4.
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Table S5. CFU count data from quantitative cultures of mouse lung homogenates at Week 8.
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Table S6. CFU count data from quantitative cultures of mouse lung homogenates from untreated mice at Week 12.
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Table S7. CFU count data from quantitative cultures of mouse lung homogenates at Week 12.
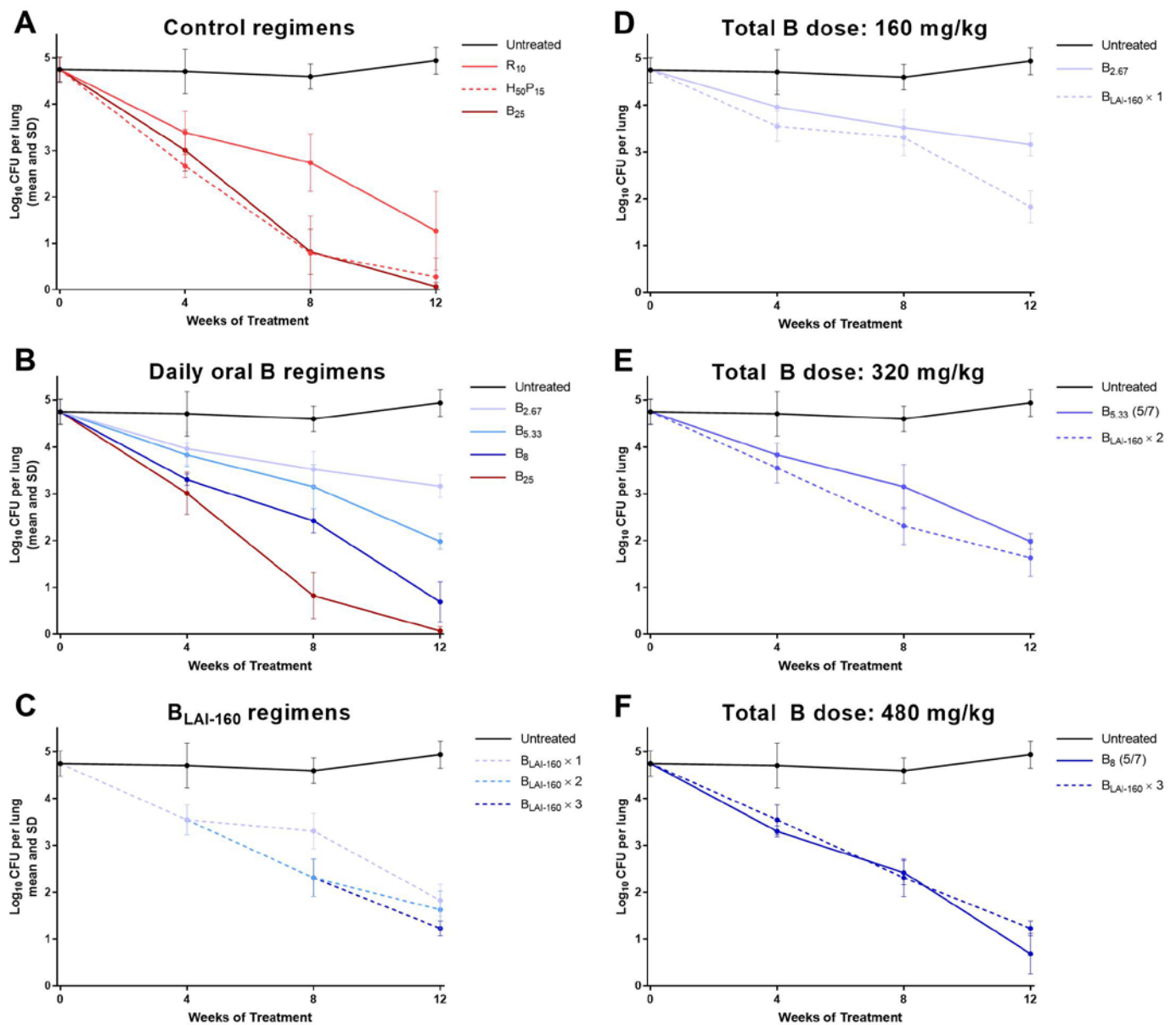(Supplement Page 12)

Figure S1. *M. tuberculosis* **lung CFU counts during 12 weeks of treatment.** Lung CFU data are presented for mice receiving (A) the control regimens, (B) the daily oral bedaquiline regimens, (C) the $B_{LAI-160}$ regimens, and total bedaquiline doses of (D) 160 mg/kg, (E) 320 mg/kg, and (F) 480 mg/kg. Data points represent mean values, and error bars represent standard deviation (n = 5 mice per group per time point) provided in **Table 3**. See **Table 2** for a description of the regimens. See **Tables S2-S7** for the raw CFU data at each time point.

Table S1. **CFU count data from quantitative cultures of the bacterial suspensions used for aerosol infections.** Serial ten-fold dilutions of the bacterial suspensions used for aerosol infections were plated on non-selective 7H11 agar (0.5 mL per agar plate). The shaded cells were used to calculate CFU/mL. The lower limits of detection were 4.30 $\log_{10}$ CFU/mL and 1.32 $\log_{10}$ CFU/mL for the *M. bovis* rBCG30 and *M. tuberculosis* H37Rv infections, respectively.

Suspensions used for aerosol infections	CFU counts for the following 10-fold dilutions:						CFU/mL	$\log_{10}$ CFU/mL
	1	2	3	4	5	6		
M. bovis rBCG30 OD_{600} = 1.03, adjusted to 0.56 and then diluted 5-fold	---	---	---	+	38	4	7 600 000	6.88
M. tuberculosis H37Rv OD_{600} = 0.875, adjusted to 0.12 and then diluted 10-fold	++	+	27	3	---	---	54 000	4.73

++ indicates non-uniform confluent growth.
+ indicates individual colonies too numerous to accurately count or estimate.
--- indicates not determined.

Table S2. **CFU count data used to calculate the number of bacteria implanted in mouse lungs following aerosol infections.** Mice were sacrificed the day after infection. Undiluted lung homogenates and serial ten-fold dilutions were cultured (0.5 mL per agar plate) on selective 7H11 agar ("plain" agar) and selective 7H11 agar supplemented with 40 µg/mL HYG or 4 µg/mL TCH. The shaded cells were used to calculate CFU/lung for each sample.

Mouse number	Agar type	CFU counts for the following 10-fold dilutions:				CFU/lung	Log$_{10}$ CFU/lung	LLOD
		0	1	2	3			
M. bovis rBCG30 infection (Week -19)								
1	Plain	40	14	1	---	700	2.85	0.78
	HYG	46	16	2	---	800	2.90	0.78
	TCH	---	0	---	---	0	0.00	1.71
2	Plain	11	18	2	---	900	2.95	0.78
	HYG	16	27	1	---	1 350	3.13	0.78
	TCH	---	0	---	---	0	0.00	1.71
3	Plain	12	23	0	---	1 150	3.06	0.78
	HYG	1	25	0	---	1 250	3.10	0.78
	TCH	---	0	---	---	0	0.00	1.71
4	Plain	40	26	0	---	1 300	3.11	0.78
	HYG	14	26	3	---	1 300	3.11	0.78
	TCH	---	0	---	---	0	0.00	1.71
5	Plain	7	24	3	---	1 200	3.08	0.78
	HYG	40	20	3	---	1 000	3.00	0.48
	TCH	---	0	---	---	0	0.00	1.71
M. tuberculosis H37Rv infection (Week -13)								
1	Plain	+	+	~150	21	105 000	5.02	0.78
	HYG	+	+	~150	17	85 000	4.93	0.78
	TCH	24	10	0	0	120	2.08	0.78
2	Plain	+	+	~150	12	60 000	4.78	0.78
	HYG	+	+	~150	15	75 000	4.88	0.78
	TCH	22	2	0	0	110	2.05	0.78
3	Plain	+	+	~200	19	95 000	4.98	0.78
	HYG	+	+	~200	28	140 000	5.15	0.78
	TCH	28	1	0	0	140	2.15	0.78
4	Plain	+	+	~150	10	50 000	4.70	0.78
	HYG	+	+	~150	17	85 000	4.93	0.78
	TCH	21	2	0	20	105	2.03	0.78
5	Plain	+	+	~150	17	85 000	4.93	0.78
	HYG	+	+	~150	15	75 000	4.88	0.78
	TCH	35	8	0	0	175	2.25	0.78

LLOD: lower limit of detection (log$_{10}$ CFU/lung).
+ indicates individual colonies too numerous to accurately count or estimate.
~ indicates that a precise CFU count could not be determined due to merged/touching colonies.
--- indicates not determined.

Table S3. **CFU count data from quantitative cultures of mouse lung homogenates at Day 0.** Mouse lungs were homogenized in 2.5 mL PBS. Undiluted lung homogenate and serial ten-fold dilutions were cultured (0.5 mL per agar plate) on selective 7H11 agar ("plain" agar) and selective 7H11 agar supplemented with 40 µg/mL HYG or 4 µg/mL TCH. The shaded cells were used to calculate CFU/lung for each sample, and the lower limit of detection was 0.78 $\log_{10}$ CFU/lung for each sample.

Mouse number	Agar type	CFU counts for the following 10-fold dilutions:					CFU/lung	$\log_{10}$ CFU/lung
		0	1	2	3	4		
1	Plain	++	+	57	2	0	28 500	4.45
	HYG	+	44	1	0	0	2 200	3.34
	TCH	++	+	66	1	0	33 000	4.52
2	Plain	++	+	146	9	1	45 000	4.65
	HYG	+	7	0	0	0	350	2.55
	TCH	++	+	188	13	2	65 000	4.81
3	Plain	++	++	212	16	2	80 000	4.90
	HYG	+	132	12	1	0	6 000	3.78
	TCH	++	++	256	19	0	95 000	4.98
4	Plain	++	+	116	10	0	50 000	4.70
	HYG	+	45	3	0	0	2 250	3.35
	TCH	++	+	122	11	0	55 000	4.74
5	Plain	++	++	223	28	4	140 000	5.15
	HYG	+	43	2	0	0	2 150	3.33
	TCH	++	++	214	28	2	140 000	5.15

++ indicates non-uniform confluent growth.
+ indicates individual colonies too numerous to accurately count or estimate.

Table S4. **CFU count data from quantitative cultures of mouse lung homogenates at Week 4.** Mouse lungs were homogenized in 3.0 mL PBS. Undiluted homogenates and up to three ten-fold serial dilutions of homogenates were plated (0.5 mL per agar plate) on selective 7H11 agar with charcoal ("Plain" agar) and selective 7H11 charcoal agar supplemented with 40 µg/mL HYG or 200 µg/mL TCH. The shaded cells were used to calculate CFU/lung for each sample.

LTBI treatment regimen	Mouse number	Agar type	CFU counts for the following 10-fold dilutions:				CFU/lung	Log$_{10}$ CFU/lung	LLOD
			0	1	2	3			
Untreated	1	Plain	---	+	45	1	27 000	4.43	1.79
		HYG	---	50	3	0	3 000	3.48	1.79
		TCH	---	+	33	4	19 800	4.30	1.79
	2	Plain	---	+	92	10	60 000	4.78	1.79
		HYG	---	5	2	0	300	2.48	1.79
		TCH	---	+	66	8	39 600	4.60	1.79
	3	Plain	---	+	+	54	324 000	5.51	1.79
		HYG	---	112	13	1	7 800	3.89	1.79
		TCH	---	+	+	50	300 000	5.48	1.79
	4	Plain	---	+	33	1	19 800	4.30	1.79
		HYG	---	13	2	0	780	2.89	1.79
		TCH	---	+	26	1	15 600	4.19	1.79
	5	Plain	---	+	75	8	45 000	4.65	1.79
		HYG	---	71	8	3	4 260	3.63	1.79
		TCH	---	+	67	7	40 200	4.60	1.79
R$_{10}$ (5/7)	1	Plain	68	11	1	---	660	2.82	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	56	7	0	---	336	2.53	0.85
	2	Plain	+	107	14	---	8 400	3.92	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	+	63	8	---	3 780	3.58	0.85
	3	Plain	Contam.	60	3	---	3 600	3.56	1.79
		HYG	0	0	0	---	0	0.00	0.85
		TCH	+	42	3	---	2 520	3.40	0.85
	4	Plain	+	17	1	---	1 020	3.01	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	+	16	3	---	960	2.98	0.85
	5	Plain	+	101	7	---	4 200	3.62	0.85
		HYG	1	0	0	---	6	0.85	0.85
		TCH	+	47	5	---	2 820	3.45	0.85
H$_{50}$P$_{15}$(1/7)	1	Plain	97	13	5	---	780	2.89	0.85
		HYG	1	0	0	---	6	0.85	0.85
		TCH	91	8	0	---	546	2.74	0.85
	2	Plain	89	15	0	---	900	2.95	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	77	10	1	---	462	2.67	0.85
	3	Plain	50	6	0	---	300	2.48	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	Contam.	3	0	---	180	2.26	1.79
	4	Plain	74	10	0	---	444	2.65	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	48	5	0	---	288	2.46	0.85
	5	Plain	40	1	0	---	240	2.38	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	29	2	0	---	174	2.24	0.85
B$_{25}$ (5/7)	1	Plain	62	15	1	---	372	2.57	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	40	5	0	---	240	2.38	0.85
	2	Plain	53	6	2	---	318	2.50	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	28	5	0	---	168	2.23	0.85
	3	Plain	177	32	3	---	1 920	3.28	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	98	19	1	---	1 140	3.06	0.85
	4	Plain	+	54	8	---	3 240	3.51	0.85
		HYG	2	0	0	---	12	1.11	0.85
		TCH	+	38	2	---	2 280	3.36	0.85
	5	Plain	109	25	0	---	1 500	3.18	0.85
		HYG	1	0	0	---	6	0.85	0.85
		TCH	+	19	1	---	1 140	3.06	0.85

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Table S4, continued.

LTBI treatment regimen	Mouse number	Agar type	CFU counts for the following 10-fold dilutions: 0	1	2	3	CFU/lung	Log$_{10}$ CFU/lung	LLOD
B$_8$ (5/7)	1	Plain	+	35	1	0	2 100	3.32	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	+	18	0	0	1 080	3.03	0.85
	2	Plain	+	27	3	0	1 620	3.21	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	83	14	1	0	498	2.70	0.85
	3	Plain	120	26	0	0	1 560	3.19	0.85
		HYG	1	0	0	0	6	0.85	0.85
		TCH	88	6	0	0	528	2.72	0.85
	4	Plain	+	52	8	0	3 120	3.49	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	+	34	4	---	2 040	3.31	0.85
	5	Plain	+	33	0	0	1 980	3.30	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	+	13	2	0	780	2.89	0.85
B$_{5.33}$ (5/7)	1	Plain	+	65	5	1	3 900	3.59	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	+	29	3	0	1 740	3.24	0.85
	2	Plain	+	88	11	0	5 280	3.72	0.85
		HYG	3	0	0	0	18	1.28	0.85
		TCH	+	45	5	0	2 700	3.43	0.85
	3	Plain	+	165	28	2	16 800	4.23	0.85
		HYG	5	2	0	0	30	1.49	0.85
		TCH	+	72	7	3	4 320	3.64	0.85
	4	Plain	+	97	14	0	8 400	3.92	0.85
		HYG	1	0	0	0	6	0.85	0.85
		TCH	+	42	6	0	2 520	3.40	0.85
	5	Plain	+	79	9	0	4 740	3.68	0.85
		HYG	2	0	0	0	12	1.11	0.85
		TCH	+	31	4	0	1 860	3.27	0.85
B$_{2.67}$ (5/7)	1	Plain	+	71	5	0	4 260	3.63	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	Contam.	57	7	1	3 420	3.53	1.79
	2	Plain	+	+	54	1	32 400	4.51	0.85
		HYG	37	4	0	0	222	2.35	0.85
		TCH	+	+	30	1	18 000	4.26	0.85
	3	Plain	+	92	17	1	10 200	4.01	0.85
		HYG	12	3	0	0	72	1.86	0.85
		TCH	+	73	10	0	4 380	3.64	0.85
	4	Plain	+	77	12	0	4 620	3.66	0.85
		HYG	2	1	0	0	12	1.11	0.85
		TCH	+	30	7	0	1 800	3.26	0.85
	5	Plain	+	113	17	0	10 200	4.01	0.85
		HYG	7	0	0	0	42	1.63	0.85
		TCH	+	81	6	0	4 860	3.69	0.85
B$_{LAI-160}$ (1/28) × 1	1	Plain	+	124	15	1	9 000	3.95	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	+	71	5	0	4 260	3.63	0.85
	2	Plain	+	31	3	0	1 860	3.27	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	42	9	2	0	540	2.73	0.85
	3	Plain	+	74	6	0	4 440	3.65	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	+	44	3	0	2 640	3.42	0.85
	4	Plain	+	26	6	0	1 560	3.19	0.85
		HYG	2	0	0	0	12	1.11	0.85
		TCH	+	25	1	0	1 500	3.18	0.85
	5	Plain	+	81	8	2	4 860	3.69	0.85
		HYG	1	0	0	0	6	0.85	0.85
		TCH	+	37	5	1	2 220	3.35	0.85

LLOD: lower limit of detection (log$_{10}$ CFU/lung).
Contam. indicates bacterial or fungal contamination; this plate was not used to calculate CFU/lung.
+ indicates individual colonies too numerous to accurately count or estimate.
--- indicates not determined.

Table S5. **CFU count data from quantitative cultures of mouse lung homogenates at Week 8.** Mouse lungs were homogenized in 3.0 mL PBS. Undiluted homogenates and up to three ten-fold serial dilutions of homogenates were plated (0.5 mL per agar plate) on selective 7H11 agar with charcoal ("Plain" agar) and selective 7H11 charcoal agar supplemented with 40 μg/mL HYG or 200 μg/mL TCH. The shaded cells were used to calculate CFU/lung for each sample.

LTBI treatment regimen	Mouse number	Agar type	CFU counts for the following 10-fold dilutions: 0	1	2	3	CFU/lung	Log$_{10}$ CFU/lung	LLOD
Untreated	1	Plain	---	+	49	3	29 400	4.47	1.79
		HYG	---	58	4	0	3 480	3.54	1.79
		TCH	---	+	47	3	28 200	4.45	1.79
	2	Plain	---	+	77	6	46 200	4.66	1.79
		HYG	---	32	2	0	1 920	3.28	1.79
		TCH	---	+	79	4	47 400	4.68	1.79
	3	Plain	---	+	239	22	132 000	5.12	1.79
		HYG	---	+	30	4	18 000	4.26	1.79
		TCH	---	+	221	21	126 000	5.10	1.79
	4	Plain	---	+	49	4	29 400	4.47	1.79
		HYG	---	52	3	1	3 120	3.49	1.79
		TCH	---	+	50	1	30 000	4.48	1.79
	5	Plain	---	+	50	5	30 000	4.48	1.79
		HYG	---	10	0	0	600	2.78	1.79
		TCH	---	+	32	0	19 200	4.28	1.79
R$_{10}$ (5/7)	1	Plain	123	14	0	---	840	2.92	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	128	7	1	---	420	2.62	0.85
	2	Plain	7	0	0	---	42	1.63	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	Contam.	0	0	---	---	---	1.79
	3	Plain	104	15	0	---	900	2.95	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	Contam.	Contam.	Contam.	---	---	---	---
	4	Plain	135	23	0	---	1 380	3.14	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	173	26	2	---	1 560	3.19	0.85
	5	Plain	113	18	2	---	1 080	3.03	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	112	10	0	---	600	2.78	0.85
H$_{50}$P$_{15}$(1/7)	1	Plain	11	0	0	---	66	1.83	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	Contam.	0	0	---	---	---	1.79
	2	Plain	3	0	0	---	18	1.28	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	Contam.	Contam.	0	---	---	---	2.78
	3	Plain	0	0	0	---	0	0.00	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	0	0	0	---	0	0.00	0.85
	4	Plain	0	0	0	---	0	0.00	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	0	0	0	---	0	0.00	0.85
	5	Plain	1	0	0	---	6	0.85	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	0	0	0	---	0	0.00	0.85

Table S5, continued.

LTBI treatment regimen	Mouse number	Agar type	CFU counts for the following 10-fold dilutions:				CFU/lung	Log₁₀ CFU/lung	LLOD
			0	1	2	3			
B$_{25}$ (5/7)	1	Plain	3	0	0	---	18	1.28	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	4	0	0	---	24	1.40	0.85
	2	Plain	1	0	0	---	6	0.85	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	3	0	0	---	18	1.28	0.85
	3	Plain	1	0	0	---	6	0.85	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	0	0	0	---	0	0.00	0.85
	4	Plain	2	1	0	---	12	1.11	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	0	0	0	---	0	0.00	0.85
	5	Plain	0	0	0	---	0	0.00	0.85
		HYG	0	0	0	---	0	0.00	0.85
		TCH	0	0	0	---	0	0.00	0.85
B$_8$ (5/7)	1	Plain	16	1	0	0	96	1.99	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	10	1	0	0	60	1.79	0.85
	2	Plain	73	16	1	0	438	2.64	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	69	6	0	0	414	2.62	0.85
	3	Plain	61	4	4	0	366	2.56	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	37	6	0	0	222	2.35	0.85
	4	Plain	53	8	0	0	318	2.50	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	32	3	0	0	192	2.29	0.85
	5	Plain	42	7	1	0	252	2.40	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	31	1	0	0	186	2.27	0.85
B$_{5.33}$ (5/7)	1	Plain	109	13	0	0	780	2.89	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	48	9	0	0	288	2.46	0.85
	2	Plain	+	65	8	2	3 900	3.59	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	Contam.	40	1	0	2 400	3.38	1.79
	3	Plain	+	77	9	0	4 620	3.66	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	98	19	2	0	1 140	3.06	0.85
	4	Plain	64	12	0	0	384	2.59	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	29	3	0	0	174	2.24	0.85
	5	Plain	101	17	2	0	1 020	3.01	0.85
		HYG	1	0	0	0	6	0.85	0.85
		TCH	60	11	2	0	360	2.56	0.85

Table S5, continued.

LTBI treatment regimen	Mouse number	Agar type	CFU counts for the following 10-fold dilutions: 0	1	2	3	CFU/lung	Log$_{10}$ CFU/lung	LLOD
B$_{2.67}$ (5/7)	1	Plain	+	84	8	0	5 040	3.70	0.85
		HYG	6	0	0	0	36	1.57	0.85
		TCH	+	56	2	0	3 360	3.53	0.85
	2	Plain	+	126	15	1	9 000	3.95	0.85
		HYG	14	2	0	0	84	1.93	0.85
		TCH	+	81	10	0	4 860	3.69	0.85
	3	Plain	+	87	9	0	5 220	3.72	0.85
		HYG	1	0	0	0	6	0.85	0.85
		TCH	+	33	3	0	1 980	3.30	0.85
	4	Plain	+	18	4	0	1 080	3.03	0.85
		HYG	4	0	0	0	24	1.40	0.85
		TCH	61	20	3	0	366	2.56	0.85
	5	Plain	+	28	1	1	1 680	3.23	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	103	11	0	0	660	2.82	0.85
B$_{LAI-160}$ (1/28) × 2	1	Plain	13	3	0	0	78	1.90	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	8	0	0	0	48	1.69	0.85
	2	Plain	34	3	1	0	204	2.31	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	19	1	0	0	114	2.06	0.85
	3	Plain	16	1	0	0	96	1.99	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	8	0	0	0	48	1.69	0.85
	4	Plain	50	7	1	0	300	2.48	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	31	2	1	0	186	2.27	0.85
	5	Plain	Contam.	13	0	0	780	2.89	1.79
		HYG	0	0	0	0	0	0.00	0.85
		TCH	Contam.	21	1	1	1 260	3.10	1.79
B$_{LAI-160}$ (1/28) × 1	1	Plain	99	7	1	0	594	2.77	0.85
		HYG	1	0	0	0	6	0.85	0.85
		TCH	65	13	0	0	390	2.59	0.85
	2	Plain	+	48	7	0	2 880	3.46	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	+	35	5	0	2 100	3.32	0.85
	3	Plain	+	81	7	1	4 860	3.69	0.85
		HYG	12	2	0	0	72	1.86	0.85
		TCH	+	69	7	0	4 140	3.62	0.85
	4	Plain	109	20	1	0	1 200	3.08	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	93	19	1	0	1 140	3.06	0.85
	5	Plain	+	63	4	0	3 780	3.58	0.85
		HYG	0	0	0	0	0	0.00	0.85
		TCH	+	22	3	0	1 320	3.12	0.85

LLOD: lower limit of detection (log$_{10}$ CFU/lung).
Contam. indicates bacterial or fungal contamination; this plate was not used to calculate CFU/lung.
+ indicates individual colonies too numerous to accurately count or estimate.
--- indicates not determined.

Table S6. **CFU count data from quantitative cultures of mouse lung homogenates from untreated mice at Week 12.** Mouse lungs were homogenized in 3.0 mL PBS. Four ten-fold serial dilutions of lung homogenates were plated (0.5 mL per agar plate) on selective 7H11 agar with charcoal ("Plain" agar) and selective 7H11 charcoal agar supplemented with 40 µg/mL HYG or 200 µg/mL TCH. The shaded cells were used to calculate CFU/lung for each sample.

Mouse number	Agar type	CFU counts for the following 10-fold dilutions:				CFU/lung	Log10 CFU/lung	LLOD
		1	2	3	4			
1	Plain	+	190	27	2	162 000	5.21	1.79
	HYG	17	3	0	0	1 020	3.01	1.79
	TCH	+	187	25	1	150 000	5.18	1.79
2	Plain	+	130	11	1	66 000	4.82	1.79
	HYG	57	8	1	0	3 420	3.53	1.79
	TCH	+	137	9	4	54 000	4.73	1.79
3	Plain	Contam.	Contam.	10	1	60 000	4.78	3.78
	HYG	27	3	1	0	1 620	3.21	1.79
	TCH	+	97	7	1	42 000	4.62	1.79
4	Plain	++	300	32	3	192 000	5.28	1.79
	HYG	3	0	0	0	180	2.26	1.79
	TCH	++	+	31	2	186 000	5.27	1.79
5	Plain	+	76	7	0	45 600	4.66	1.79
	HYG	37	3	0	0	2 220	3.35	1.79
	TCH	+	53	4	0	31 800	4.50	1.79

LLOD: lower limit of detection (log10 CFU/lung).
Contam. indicates bacterial or fungal contamination; this plate was not used to calculate CFU/lung.
++ indicates non-uniform confluent growth.
+ indicates individual colonies too numerous to accurately count or estimate.

Table S7. **CFU count data from quantitative cultures of mouse lung homogenates at Week 12.** Mouse lungs were homogenized in 3.0 mL PBS. Undiluted homogenates and up to two ten-fold serial dilutions of homogenates were plated (0.5 mL per agar plate) on selective 7H11 agar with charcoal ("Plain" agar) and selective 7H11 charcoal agar supplemented with 40 µg/mL HYG or 200 µg/mL TCH. The shaded cells were used to calculate CFU/lung for each sample.

LTBI treatment regimen	Mouse number	Agar type	CFU counts for the following 10-fold dilutions:						CFU/lung	Log$_{10}$ CFU/lung	LLOD
			Undiluted				1	2			
			Plate 1	Plate 2	Plate 3	Plate 4					
R$_{10}$ (5/7)	1	Plain	0	1	1	0	0	---	4	0.68	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	2	Plain	0	2	1	0	0	---	6	0.82	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	3	Plain	78	69	81	65	10	---	549	2.74	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	4	Plain	2	2	5	1	0	---	19	1.30	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	5	Plain	0	1	1	1	0	---	6	0.82	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
H$_{50}$P$_{15}$(1/7)	1	Plain	0	0	Contam.	Contam.	0	---	0	0.00	0.60
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	2	Plain	0	0	0	0	0	---	0	0.00	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	3	Plain	1	0	0	0	0	---	2	0.46	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	4	Plain	0	0	0	0	0	---	0	0.00	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	5	Plain	1	1	1	1	1	---	8	0.93	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
B$_{25}$ (5/7)	1	Plain	Contam.	0	0	0	---	---	0	0.00	0.48
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	2	Plain	0	0	1	0	---	---	2	0.46	0.40
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	3	Plain	1	0	0	0	---	---	2	0.46	0.40
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	4	Plain	0	0	0	0	---	---	0	0.00	0.40
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	5	Plain	0	0	0	0	---	---	0	0.00	0.40
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
B$_8$ (5/7)	1	Plain	2	0	1	Contam.	0	0	8	0.93	0.48
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	2	Plain	1	0	1	0	0	0	4	0.68	0.40
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	3	Plain	0	0	0	2	0	0	4	0.68	0.40
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	4	Plain	0	0	0	0	---	---	0	0.00	0.40
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	5	Plain	0	0	4	3	0	0	13	1.15	0.40
		HYG	0	---	---	---	---	---	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---

Table S7, continued.

LTBI treatment regimen	Mouse number	Agar type	CFU counts for the following 10-fold dilutions:						CFU/lung	Log₁₀ CFU/lung	LLOD
			Undiluted				1	2			
			Plate 1	Plate 2	Plate 3	Plate 4					
B$_{5.33}$ (5/7)	1	Plain	28	14	23	25	1	---	169	2.23	0.40
		HYG	3	---	---	---	0	0	23	1.37	0.85
		TCH	13	---	---	---	1	0	98	1.99	0.85
	2	Plain	10	8	7	11	---	---	68	1.84	0.40
		HYG	1	---	---	---	0	---	8	0.93	0.85
		TCH	2	---	---	---	1	---	15	1.20	0.85
	3	Plain	29	17	16	14	2	0	143	2.16	0.40
		HYG	0	---	---	---	0	0	0	0.00	0.85
		TCH	14	---	---	---	2	0	105	2.03	0.85
	4	Plain	12	8	11	Contam.	---	---	78	1.89	0.48
		HYG	1	---	---	---	0	---	8	0.93	0.85
		TCH	10	---	---	---	1	0	75	1.88	0.85
	5	Plain	15	13	12	7	1	0	88	1.95	0.40
		HYG	0	---	---	---	0	---	0	0.00	0.85
		TCH	14	---	---	---	1	0	105	2.03	0.85
B$_{2.67}$ (5/7)	1	Plain	227	218	---	---	43	1	2 580	3.41	0.60
		HYG	23	---	---	---	8	2	173	2.24	0.85
		TCH	+	---	---	---	30	2	1 800	3.26	0.85
	2	Plain	190	107	---	---	27	2	1 620	3.21	0.60
		HYG	52	---	---	---	5	0	390	2.59	0.85
		TCH	+	---	---	---	28	3	1 680	3.23	0.85
	3	Plain	235	212	---	---	29	5	1 740	3.24	0.60
		HYG	60	---	---	---	9	0	450	2.65	0.85
		TCH	+	---	---	---	44	5	2 640	3.42	0.85
	4	Plain	201	207	---	---	48	4	2 880	3.46	0.60
		HYG	44	---	---	---	6	0	330	2.52	0.85
		TCH	+	---	---	---	33	2	1 980	3.30	0.85
	5	Plain	312	397	---	---	62	5	3 720	3.57	0.60
		HYG	52	---	---	---	11	0	390	2.59	0.85
		TCH	+	---	---	---	51	3	3 060	3.49	0.85
B$_{LAI-160}$ (1/28) × 3	1	Plain	1	4	3	4	0	0	23	1.37	0.40
		HYG	1	---	---	---	0	0	8	0.93	0.85
		TCH	---	---	---	---	---	---	---	---	---
	2	Plain	3	2	2	1	0	0	15	1.20	0.40
		HYG	0	---	---	---	0	0	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	3	Plain	1	2	1	2	0	0	11	1.09	0.40
		HYG	0	---	---	---	0	0	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	4	Plain	2	4	0	1	0	0	13	1.15	0.40
		HYG	0	---	---	---	0	0	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
	5	Plain	4	6	3	3	1	0	30	1.49	0.40
		HYG	0	---	---	---	0	0	0	0.00	0.85
		TCH	---	---	---	---	---	---	---	---	---
B$_{LAI-160}$ (1/28) × 2	1	Plain	16	20	19	23	3	0	146	2.17	0.40
		HYG	2	---	---	---	0	0	15	1.20	0.85
		TCH	15	---	---	---	2	0	113	2.05	0.85
	2	Plain	5	2	4	3	0	0	26	1.44	0.40
		HYG	2	---	---	---	0	0	15	1.20	0.85
		TCH	2	---	---	---	0	0	15	1.20	0.85
	3	Plain	10	3	8	9	0	0	56	1.76	0.40
		HYG	1	---	---	---	0	0	8	0.93	0.85
		TCH	8	---	---	---	1	0	60	1.79	0.85
	4	Plain	4	5	3	1	0	0	24	1.40	0.40
		HYG	0	---	---	---	0	0	0	0.00	0.85
		TCH	5	---	---	---	1	0	38	1.59	0.85
	5	Plain	11	7	7	10	3	---	66	1.82	0.40
		HYG	0	---	---	---	0	0	0	0.00	0.85
		TCH	6	---	---	---	0	0	45	1.66	0.85
B$_{LAI-160}$ (1/28) × 1	1	Plain	17	14	9	17	2	0	107	2.03	0.40
		HYG	3	---	---	---	0	0	23	1.37	0.85
		TCH	23	---	---	---	2	1	173	2.24	0.85
	2	Plain	8	6	5	12	0	0	58	1.77	0.40
		HYG	1	---	---	---	0	0	8	0.93	0.85
		TCH	5	---	---	---	0	0	38	1.59	0.85
	3	Plain	35	55	78	Contam.	12	0	420	2.62	0.48
		HYG	26	---	---	---	6	0	195	2.29	0.85
		TCH	60	---	---	---	11	1	450	2.65	0.85
	4	Plain	8	8	4	6	1	0	49	1.70	0.40
		HYG	3	---	---	---	0	0	23	1.37	0.85
		TCH	8	---	---	---	1	0	60	1.79	0.85
	5	Plain	6	9	7	6	0	---	53	1.73	0.40
		HYG	0	---	---	---	0	0	0	0.00	0.85
		TCH	3	---	---	---	1	0	23	1.37	0.85

LLOD: lower limit of detection (log₁₀ CFU/lung). Contam. indicates bacterial or fungal contamination; this plate was not used to calculate CFU/lung. ++ indicates non-uniform confluent growth. + indicates individual colonies too numerous to accurately count or estimate.