

1 **Supporting Information**

2 **Screening of preselected libraries targeting *Mycobacterium***

3 ***abscessus* for drug discovery**

4 Adrian Richter¹, Angelika Strauch¹, Joseph Chao¹, Mary Ko¹, Yossef Av-Gay^{1,2#}

5 Division of Infectious Diseases, Departments of Medicine¹ and Microbiology and

6 Immunology², Life Sciences Institute, University of British Columbia, Vancouver, British

7 Columbia, Canada

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9 #Corresponding author

10 Professor Yossef Av-Gay

11 Division of Infectious Diseases 17 UBC Infectious Diseases

12 2350 Health Sciences Mall

13 Vancouver, BC V6T 1Z3

14 yossi@mail.ubc.ca

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23 **TABLE S1.** Pathogen Box¹ activity data (% inhibition based on RFP signal, Z' score = 0.70 ± 0.12)

Rack	Position	COMPOUND ID	10 μ M	10 μ M
			<i>in vitro</i>	<i>in vitro</i>
			[%] inhibition	[%] inhibition
			7H9	MHII
PathogenBox_PlateA	A02	MMV010764	<90	5
PathogenBox_PlateA	A03	MMV688472	< 90	18
PathogenBox_PlateA	A04	MMV688416	< 90	-9
PathogenBox_PlateA	A05	MMV689758	100	99
PathogenBox_PlateA	A06	MMV688796	< 90	10
PathogenBox_PlateA	A07	MMV676526	< 90	61
PathogenBox_PlateA	A08	MMV688553	< 90	-4
PathogenBox_PlateA	A09	MMV676501	< 90	3
PathogenBox_PlateA	A10	MMV676449	< 90	9
PathogenBox_PlateA	A11	MMV676412	< 90	34
PathogenBox_PlateA	B02	MMV1110498	< 90	0
PathogenBox_PlateA	B03	MMV000907	< 90	3
PathogenBox_PlateA	B04	MMV688889	< 90	9
PathogenBox_PlateA	B05	MMV688776	< 90	1
PathogenBox_PlateA	B06	MMV688934	< 90	25
PathogenBox_PlateA	B07	MMV676389	< 90	7
PathogenBox_PlateA	B08	MMV676603	< 90	10
PathogenBox_PlateA	B09	MMV676401	< 90	9
PathogenBox_PlateA	B10	MMV102872	< 90	7
PathogenBox_PlateA	B11	MMV676477	< 90	-6
PathogenBox_PlateA	C02	MMV084603	< 90	1
PathogenBox_PlateA	C03	MMV688548	< 90	7
PathogenBox_PlateA	C04	MMV688888	< 90	22
PathogenBox_PlateA	C05	MMV690028	< 90	10
PathogenBox_PlateA	C06	MMV688943	< 90	12
PathogenBox_PlateA	C07	MMV053220	< 90	16
PathogenBox_PlateA	C08	MMV676584	< 90	5
PathogenBox_PlateA	C09	MMV676439	< 90	14
PathogenBox_PlateA	C10	MMV676395	< 90	16
PathogenBox_PlateA	C11	MMV676379	< 90	13
PathogenBox_PlateA	D02	MMV687762	< 90	16
PathogenBox_PlateA	D03	MMV1028806	< 90	-4
PathogenBox_PlateA	D04	MMV661713	< 90	-10
PathogenBox_PlateA	D05	MMV688793	< 90	14
PathogenBox_PlateA	D06	MMV688942	< 90	13
PathogenBox_PlateA	D07	MMV688554	< 90	22
PathogenBox_PlateA	D08	MMV676555	< 90	33
PathogenBox_PlateA	D09	MMV676383	< 90	9
PathogenBox_PlateA	D10	MMV676444	< 90	12
PathogenBox_PlateA	D11	MMV676409	< 90	2
PathogenBox_PlateA	E02	MMV688514	< 90	4

PathogenBox_PlateA	E03	MMV676350	< 90	-2
PathogenBox_PlateA	E04	MMV553002	< 90	-4
PathogenBox_PlateA	E05	MMV688797	< 90	13
PathogenBox_PlateA	E06	MMV688756	69	48
PathogenBox_PlateA	E07	MMV090930	< 90	33
PathogenBox_PlateA	E08	MMV676431	< 90	21
PathogenBox_PlateA	E09	MMV676571	< 90	1
PathogenBox_PlateA	E10	MMV676445	< 90	16
PathogenBox_PlateA	E11	MMV676589	< 90	8
PathogenBox_PlateA	F02	MMV026020	< 90	2
PathogenBox_PlateA	F03	MMV688471	< 90	7
PathogenBox_PlateA	F04	MMV676388	< 90	26
PathogenBox_PlateA	F05	MMV202553	< 90	16
PathogenBox_PlateA	F06	MMV688936	< 90	7
PathogenBox_PlateA	F07	MMV676476	< 90	1
PathogenBox_PlateA	F08	MMV676377	< 90	9
PathogenBox_PlateA	F09	MMV676406	< 90	-10
PathogenBox_PlateA	F10	MMV676461	< 90	6
PathogenBox_PlateA	F11	MMV676509	< 90	4
PathogenBox_PlateA	G02	MMV688470	< 90	-9
PathogenBox_PlateA	G03	MMV688704	< 90	4
PathogenBox_PlateA	G04	MMV188296	< 90	-1
PathogenBox_PlateA	G05	MMV688958	< 90	10
PathogenBox_PlateA	G06	MMV063404	< 90	10
PathogenBox_PlateA	G07	MMV676558	< 90	1
PathogenBox_PlateA	G08	MMV688555	< 90	8
PathogenBox_PlateA	G09	MMV676597	< 90	-21
PathogenBox_PlateA	G10	MMV676588	< 90	2
PathogenBox_PlateA	G11	MMV676554	< 90	-8
PathogenBox_PlateA	H02	MMV688350	< 90	-2
PathogenBox_PlateA	H03	MMV688360	< 90	-1
PathogenBox_PlateA	H04	MMV099637	< 90	-3
PathogenBox_PlateA	H05	MMV688798	< 90	2
PathogenBox_PlateA	H06	MMV676539	< 90	5
PathogenBox_PlateA	H07	MMV202458	< 90	-7
PathogenBox_PlateA	H08	MMV676474	< 90	2
PathogenBox_PlateA	H09	MMV461553	< 90	27
PathogenBox_PlateA	H10	MMV676520	< 90	-4
PathogenBox_PlateA	H11	MMV676512	< 90	-8
PathogenBox_PlateB	A02	MMV676480	-17	0
PathogenBox_PlateB	A03	MMV652003	-17	7
PathogenBox_PlateB	A04	MMV000062	39	-41
PathogenBox_PlateB	A05	MMV006372	51	2
PathogenBox_PlateB	A06	MMV688854	-4	0
PathogenBox_PlateB	A07	MMV011903	60	-1
PathogenBox_PlateB	A08	MMV020591	40	10
PathogenBox_PlateB	A09	MMV020623	33	3

PathogenBox_PlateB	A10	MMV020512	53	7
PathogenBox_PlateB	A11	MMV688761	40	9
PathogenBox_PlateB	B02	MMV012074	35	2
PathogenBox_PlateB	B03	MMV676604	37	5
PathogenBox_PlateB	B04	MMV002529	38	6
PathogenBox_PlateB	B05	MMV687776	38	-15
PathogenBox_PlateB	B06	MMV687800	100	89
PathogenBox_PlateB	B07	MMV020982	37	-9
PathogenBox_PlateB	B08	MMV020120	35	-1
PathogenBox_PlateB	B09	MMV676605	25	0
PathogenBox_PlateB	B10	MMV007638	33	-2
PathogenBox_PlateB	B11	MMV021057	32	1
PathogenBox_PlateB	C02	MMV690027	30	-12
PathogenBox_PlateB	C03	MMV676600	29	-8
PathogenBox_PlateB	C04	MMV676382	10	-4
PathogenBox_PlateB	C05	MMV001625	28	16
PathogenBox_PlateB	C06	MMV001493	44	19
PathogenBox_PlateB	C07	MMV020136	30	-5
PathogenBox_PlateB	C08	MMV020710	35	-5
PathogenBox_PlateB	C09	MMV020517	25	7
PathogenBox_PlateB	C10	MMV019721	26	-2
PathogenBox_PlateB	C11	MMV688763	7	12
PathogenBox_PlateB	D02	MMV020537	15	-19
PathogenBox_PlateB	D03	MMV637953	27	1
PathogenBox_PlateB	D04	MMV676536	6	-1
PathogenBox_PlateB	D05	MMV000063	22	-5
PathogenBox_PlateB	D06	MMV689255	14	6
PathogenBox_PlateB	D07	MMV019838	17	-5
PathogenBox_PlateB	D08	MMV020520	38	5
PathogenBox_PlateB	D09	MMV019234	15	-5
PathogenBox_PlateB	D10	MMV016136	17	6
PathogenBox_PlateB	D11	MMV688762	24	-4
PathogenBox_PlateB	E02	MMV676386	29	5
PathogenBox_PlateB	E03	MMV688773	18	2
PathogenBox_PlateB	E04	MMV000011	49	-1
PathogenBox_PlateB	E05	MMV687775	24	0
PathogenBox_PlateB	E06	MMV002817	36	-8
PathogenBox_PlateB	E07	MMV676442	25	-7
PathogenBox_PlateB	E08	MMV020152	36	23
PathogenBox_PlateB	E09	MMV024397	31	1
PathogenBox_PlateB	E10	MMV019807	27	0
PathogenBox_PlateB	E11	MMV560185	24	-9
PathogenBox_PlateB	F02	MMV019189	41	-15
PathogenBox_PlateB	F03	MMV688774	41	-1
PathogenBox_PlateB	F04	MMV003270	34	-7
PathogenBox_PlateB	F05	MMV637229	34	-19
PathogenBox_PlateB	F06	MMV688853	41	13

PathogenBox_PlateB	F07	MMV020321	37	2
PathogenBox_PlateB	F08	MMV019087	39	3
PathogenBox_PlateB	F09	MMV676528	35	8
PathogenBox_PlateB	F10	MMV020320	42	-3
PathogenBox_PlateB	F11	MMV085210	36	33
PathogenBox_PlateB	G02	MMV069458	51	-13
PathogenBox_PlateB	G03	MMV688991	34	-5
PathogenBox_PlateB	G04	MMV687801	39	-12
PathogenBox_PlateB	G05	MMV689480	34	10
PathogenBox_PlateB	G06	MMV003152	39	4
PathogenBox_PlateB	G07	MMV006239	38	-12
PathogenBox_PlateB	G08	MMV000858	31	5
PathogenBox_PlateB	G09	MMV006741	43	-3
PathogenBox_PlateB	G10	MMV688768	26	-2
PathogenBox_PlateB	G11	MMV000023	-2	26
PathogenBox_PlateB	H02	MMV676602	51	-12
PathogenBox_PlateB	H03	MMV000014	34	-4
PathogenBox_PlateB	H04	MMV687803	90	92
PathogenBox_PlateB	H05	MMV668727	3	-2
PathogenBox_PlateB	H06	MMV019742	53	5
PathogenBox_PlateB	H07	MMV009054	40	-15
PathogenBox_PlateB	H08	MMV006901	41	-45
PathogenBox_PlateB	H09	MMV020391	39	2
PathogenBox_PlateB	H10	MMV676380	38	-4
PathogenBox_PlateB	H11	MMV688994	48	17
PathogenBox_PlateC	A02	MMV675997	20	-4
PathogenBox_PlateC	A03	MMV676204	7	5
PathogenBox_PlateC	A04	MMV687239	11	-5
PathogenBox_PlateC	A05	MMV688122	12	-8
PathogenBox_PlateC	A06	MMV688852	6	-12
PathogenBox_PlateC	A07	MMV687145	19	0
PathogenBox_PlateC	A08	MMV688327	24	17
PathogenBox_PlateC	A09	MMV008439	-5	-2
PathogenBox_PlateC	A10	MMV595321	-15	-9
PathogenBox_PlateC	A11	MMV687747	-19	-1
PathogenBox_PlateC	B02	MMV020388	0	-16
PathogenBox_PlateC	B03	MMV688547	5	12
PathogenBox_PlateC	B04	MMV688466	20	3
PathogenBox_PlateC	B05	MMV687749	-12	-6
PathogenBox_PlateC	B06	MMV688846	100	99
PathogenBox_PlateC	B07	MMV054312	-7	3
PathogenBox_PlateC	B08	MMV689060	-22	-6
PathogenBox_PlateC	B09	MMV689061	-22	-31
PathogenBox_PlateC	B10	MMV689028	3	-12
PathogenBox_PlateC	B11	MMV688371	1	-2
PathogenBox_PlateC	C02	MMV688508	100	91
PathogenBox_PlateC	C03	MMV688283	-8	8

PathogenBox_PlateC	C04	MMV687243	11	0
PathogenBox_PlateC	C05	MMV687730	9	96
PathogenBox_PlateC	C06	MMV687251	7	17
PathogenBox_PlateC	C07	MMV687254	-24	2
PathogenBox_PlateC	C08	MMV688509	5	4
PathogenBox_PlateC	C09	MMV688361	8	-15
PathogenBox_PlateC	C10	MMV689029	9	3
PathogenBox_PlateC	C11	MMV022236	15	-17
PathogenBox_PlateC	D02	MMV688410	11	-10
PathogenBox_PlateC	D03	MMV676048	-10	-31
PathogenBox_PlateC	D04	MMV687703	-5	-3
PathogenBox_PlateC	D05	MMV687248	14	-34
PathogenBox_PlateC	D06	MMV688125	10	8
PathogenBox_PlateC	D07	MMV687188	5	-16
PathogenBox_PlateC	D08	MMV690103	5	-37
PathogenBox_PlateC	D09	MMV688124	10	4
PathogenBox_PlateC	D10	MMV688845	100	92
PathogenBox_PlateC	D11	MMV1030799	-12	-5
PathogenBox_PlateC	E02	MMV675994	4	-24
PathogenBox_PlateC	E03	MMV676057	11	-24
PathogenBox_PlateC	E04	MMV687699	7	3
PathogenBox_PlateC	E05	MMV687146	100	97
PathogenBox_PlateC	E06	MMV687696	7	-5
PathogenBox_PlateC	E07	MMV687170	8	11
PathogenBox_PlateC	E08	MMV690102	27	-7
PathogenBox_PlateC	E09	MMV689709	19	7
PathogenBox_PlateC	E10	MMV021375	6	-15
PathogenBox_PlateC	E11	MMV1029203	8	-9
PathogenBox_PlateC	F02	MMV676053	16	-13
PathogenBox_PlateC	F03	MMV688179	11	-36
PathogenBox_PlateC	F04	MMV023969	13	10
PathogenBox_PlateC	F05	MMV687138	8	-4
PathogenBox_PlateC	F06	MMV688262	9	-8
PathogenBox_PlateC	F07	MMV687189	12	-6
PathogenBox_PlateC	F08	MMV687807	9	100
PathogenBox_PlateC	F09	MMV676478	13	7
PathogenBox_PlateC	F10	MMV062221	17	-6
PathogenBox_PlateC	F11	MMV688921	9	-40
PathogenBox_PlateC	G02	MMV676191	17	-27
PathogenBox_PlateC	G03	MMV675993	10	3
PathogenBox_PlateC	G04	MMV021660	14	11
PathogenBox_PlateC	G05	MMV688417	9	-5
PathogenBox_PlateC	G06	MMV687273	14	-2
PathogenBox_PlateC	G07	MMV687180	10	-13
PathogenBox_PlateC	G08	MMV1088520	15	-5
PathogenBox_PlateC	G09	MMV688891	5	8
PathogenBox_PlateC	G10	MMV023370	8	-12

PathogenBox_PlateC	G11	MMV688703	9	-3
PathogenBox_PlateC	H02	MMV675969	28	-8
PathogenBox_PlateC	H03	MMV688313	14	-2
PathogenBox_PlateC	H04	MMV687172	21	11
PathogenBox_PlateC	H05	MMV688844	100	96
PathogenBox_PlateC	H06	MMV1198433	24	-37
PathogenBox_PlateC	H07	MMV024311	15	-7
PathogenBox_PlateC	H08	MMV1019989	16	0
PathogenBox_PlateC	H09	MMV1037162	36	-39
PathogenBox_PlateC	H10	MMV689437	37	0
PathogenBox_PlateC	H11	MMV688955	22	-28
PathogenBox_PlateD	A02	MMV026468	10	16
PathogenBox_PlateD	A03	MMV020670	-6	7
PathogenBox_PlateD	A04	MMV023953	5	18
PathogenBox_PlateD	A05	MMV010576	17	11
PathogenBox_PlateD	A06	MMV032967	14	16
PathogenBox_PlateD	A07	MMV031011	-7	-27
PathogenBox_PlateD	A08	MMV688178	12	-13
PathogenBox_PlateD	A09	MMV688362	3	26
PathogenBox_PlateD	A10	MMV687706	20	6
PathogenBox_PlateD	A11	MMV026356	13	-26
PathogenBox_PlateD	B02	MMV011511	6	-57
PathogenBox_PlateD	B03	MMV007625	1	7
PathogenBox_PlateD	B04	MMV007471	6	18
PathogenBox_PlateD	B05	MMV024829	25	17
PathogenBox_PlateD	B06	MMV045105	2	31
PathogenBox_PlateD	B07	MMV022029	-6	-5
PathogenBox_PlateD	B08	MMV676064	12	-14
PathogenBox_PlateD	B09	MMV688180	20	11
PathogenBox_PlateD	B10	MMV024035	19	27
PathogenBox_PlateD	B11	MMV688941	14	-47
PathogenBox_PlateD	C02	MMV020291	12	-12
PathogenBox_PlateD	C03	MMV006833	15	6
PathogenBox_PlateD	C04	MMV026490	2	25
PathogenBox_PlateD	C05	MMV687246	9	-2
PathogenBox_PlateD	C06	MMV676162	12	19
PathogenBox_PlateD	C07	MMV024114	11	-6
PathogenBox_PlateD	C08	MMV688467	9	15
PathogenBox_PlateD	C09	MMV675998	10	20
PathogenBox_PlateD	C10	MMV659010	13	15
PathogenBox_PlateD	C11	MMV676008	5	-2
PathogenBox_PlateD	D02	MMV676269	12	5
PathogenBox_PlateD	D03	MMV020081	6	14
PathogenBox_PlateD	D04	MMV026550	25	13
PathogenBox_PlateD	D05	MMV675995	3	22
PathogenBox_PlateD	D06	MMV688274	35	-9
PathogenBox_PlateD	D07	MMV023860	14	13

PathogenBox_PlateD	D08	MMV688407	-13	20
PathogenBox_PlateD	D09	MMV023949	5	-209
PathogenBox_PlateD	D10	MMV676050	4	-293
PathogenBox_PlateD	D11	MMV024406	11	-161
PathogenBox_PlateD	E02	MMV023233	23	-5
PathogenBox_PlateD	E03	MMV085230	34	2
PathogenBox_PlateD	E04	MMV085071	11	18
PathogenBox_PlateD	E05	MMV659004	27	10
PathogenBox_PlateD	E06	MMV676260	14	26
PathogenBox_PlateD	E07	MMV688364	8	18
PathogenBox_PlateD	E08	MMV032995	2	20
PathogenBox_PlateD	E09	MMV688279	9	2
PathogenBox_PlateD	E10	MMV688271	3	1
PathogenBox_PlateD	E11	MMV019790	-4	-14
PathogenBox_PlateD	F02	MMV009135	18	5
PathogenBox_PlateD	F03	MMV011765	8	10
PathogenBox_PlateD	F04	MMV024937	18	19
PathogenBox_PlateD	F05	MMV085499	16	11
PathogenBox_PlateD	F06	MMV023985	9	14
PathogenBox_PlateD	F07	MMV024195	25	6
PathogenBox_PlateD	F08	MMV676063	10	9
PathogenBox_PlateD	F09	MMV676186	10	21
PathogenBox_PlateD	F10	MMV688474	27	-107
PathogenBox_PlateD	F11	MMV687812	27	40
PathogenBox_PlateD	G02	MMV007803	18	-32
PathogenBox_PlateD	G03	MMV001059	13	13
PathogenBox_PlateD	G04	MMV011691	13	-4
PathogenBox_PlateD	G05	MMV676877	11	22
PathogenBox_PlateD	G06	MMV663250	12	20
PathogenBox_PlateD	G07	MMV407539	9	17
PathogenBox_PlateD	G08	MMV688372	22	16
PathogenBox_PlateD	G09	MMV658993	18	-206
PathogenBox_PlateD	G10	MMV676182	12	-411
PathogenBox_PlateD	G11	MMV676411	22	-61
PathogenBox_PlateD	H02	MMV007133	11	-42
PathogenBox_PlateD	H03	MMV022478	1	22
PathogenBox_PlateD	H04	MMV024101	26	12
PathogenBox_PlateD	H05	MMV676881	7	8
PathogenBox_PlateD	H06	MMV024443	16	-15
PathogenBox_PlateD	H07	MMV688469	15	-1
PathogenBox_PlateD	H08	MMV023388	16	8
PathogenBox_PlateD	H09	MMV675968	6	-39
PathogenBox_PlateD	H10	MMV675996	16	1
PathogenBox_PlateD	H11	MMV688980	7	-73
PathogenBox_PlateE	A02	MMV011229	4	18
PathogenBox_PlateE	A03	MMV676468	10	41
PathogenBox_PlateE	A04	MMV688771	9	-38

PathogenBox_PlateE	A05	MMV687798	86	23
PathogenBox_PlateE	A06	MMV688775	8	27
PathogenBox_PlateE	A07	MMV676159	16	12
PathogenBox_PlateE	A08	MMV393144	7	13
PathogenBox_PlateE	A09	MMV007920	20	22
PathogenBox_PlateE	A10	MMV688270	12	17
PathogenBox_PlateE	A11	MMV019993	10	13
PathogenBox_PlateE	B02	MMV687794	8	-20
PathogenBox_PlateE	B03	MMV676470	22	5
PathogenBox_PlateE	B04	MMV688938	4	32
PathogenBox_PlateE	B05	MMV689000	0	16
PathogenBox_PlateE	B06	MMV004168	-2	-8
PathogenBox_PlateE	B07	MMV676161	13	20
PathogenBox_PlateE	B08	MMV023183	1	12
PathogenBox_PlateE	B09	MMV047015	9	11
PathogenBox_PlateE	B10	MMV688795	4	13
PathogenBox_PlateE	B11	MMV688352	3	7
PathogenBox_PlateE	C02	MMV676398	7	1
PathogenBox_PlateE	C03	MMV676472	5	21
PathogenBox_PlateE	C04	MMV671636	10	10
PathogenBox_PlateE	C05	MMV676599	3	7
PathogenBox_PlateE	C06	MMV689244	13	8
PathogenBox_PlateE	C07	MMV688411	3	12
PathogenBox_PlateE	C08	MMV687765	3	8
PathogenBox_PlateE	C09	MMV020165	-4	10
PathogenBox_PlateE	C10	MMV676524	10	13
PathogenBox_PlateE	C11	MMV611037	17	6
PathogenBox_PlateE	D02	MMV688766	0	3
PathogenBox_PlateE	D03	MMV200748	11	11
PathogenBox_PlateE	D04	MMV667494	2	-12
PathogenBox_PlateE	D05	MMV028694	12	17
PathogenBox_PlateE	D06	MMV001499	8	1
PathogenBox_PlateE	D07	MMV688345	11	8
PathogenBox_PlateE	D08	MMV010545	9	9
PathogenBox_PlateE	D09	MMV023227	8	11
PathogenBox_PlateE	D10	MMV687700	6	10
PathogenBox_PlateE	D11	MMV676384	2	13
PathogenBox_PlateE	E02	MMV020289	10	6
PathogenBox_PlateE	E03	MMV002816	12	-10
PathogenBox_PlateE	E04	MMV634140	4	4
PathogenBox_PlateE	E05	MMV030734	11	8
PathogenBox_PlateE	E06	MMV689243	4	-9
PathogenBox_PlateE	E07	MMV676358	3	-3
PathogenBox_PlateE	E08	MMV687729	4	-1
PathogenBox_PlateE	E09	MMV407834	7	10
PathogenBox_PlateE	E10	MMV687813	-11	25
PathogenBox_PlateE	E11	MMV153413	11	15

PathogenBox_PlateE	F02	MMV019551	7	-8
PathogenBox_PlateE	F03	MMV688552	1	-15
PathogenBox_PlateE	F04	MMV016838	3	9
PathogenBox_PlateE	F05	MMV676270	7	17
PathogenBox_PlateE	F06	MMV688755	15	-9
PathogenBox_PlateE	F07	MMV228911	1	12
PathogenBox_PlateE	F08	MMV272144	3	9
PathogenBox_PlateE	F09	MMV026313	4	10
PathogenBox_PlateE	F10	MMV161996	11	9
PathogenBox_PlateE	F11	MMV688543	-1	0
PathogenBox_PlateE	G02	MMV146306	-1	-19
PathogenBox_PlateE	G03	MMV688557	-4	11
PathogenBox_PlateE	G04	MMV021013	2	0
PathogenBox_PlateE	G05	MMV392832	3	3
PathogenBox_PlateE	G06	MMV688754	3	-14
PathogenBox_PlateE	G07	MMV001561	1	12
PathogenBox_PlateE	G08	MMV658988	-6	16
PathogenBox_PlateE	G09	MMV084864	1	-29
PathogenBox_PlateE	G10	MMV676492	5	-3
PathogenBox_PlateE	G11	MMV688415	2	-199
PathogenBox_PlateE	H02	MMV688330	-9	7
PathogenBox_PlateE	H03	MMV687796	6	52
PathogenBox_PlateE	H04	MMV688939	-5	1
PathogenBox_PlateE	H05	MMV688978	-12	96
PathogenBox_PlateE	H06	MMV688990	-1	-33
PathogenBox_PlateE	H07	MMV688273	1	-72
PathogenBox_PlateE	H08	MMV393995	7	-2
PathogenBox_PlateE	H09	MMV1236379	7	9
PathogenBox_PlateE	H10	MMV688550	14	-5
PathogenBox_PlateE	H11	MMV495543	7	-52

24

25 **TABLE S2.** GSK small molecule leads² activity data (percentage of inhibition based on RFP signal, Z'

26 score = 0.70 ± 0.12)

	Plate map-GSK #		25 µM	25 µM
			<i>in vitro</i>	<i>in vitro</i>
Plate	sample well	GSK#	[%] inhibition	[%] inhibition
			7H9	MHII
1	A1	BRL-8088SA	-77	-256
1	B1	GSK133167A	-111	-26
1	C1	GSK1829820A	-20	-89
1	D1	GSK1955236A	-16	-18
1	E1	GSK2200160A	-151	101
1	F1	GSK848336A	-10	-15
1	G1	GW859039X	-18	-25

1	H1	SB-204804-A	-26	-157
1	A2	GSK798463A	-19	45
1	B2	SB-435634	-19	-6
1	C2	GSK254610A	-33	1
1	D2	GSK276001A	-10	8
1	E2	GSK437009A	-20	18
1	F2	GSK547543A	-2	25
1	G2	GSK353071A	-17	14
1	H2	GW713556X	-19	-6
1	A3	GSK831784A	-17	54
1	B3	GSK754716A	-15	5
1	C3	GSK810037A	-19	3
1	D3	GSK892651A	-15	19
1	E3	GSK921190A	-4	11
1	F3	GSK957094A	-16	12
1	G3	GSK829969A	-18	10
1	H3	GSK1434490A	-18	70
1	A4	GSK1402290A	-27	-36
1	B4	GSK920684A	-14	-23
1	C4	GSK1691553A	-12	-7
1	D4	GSK1742694A	-10	14
1	E4	GSK1744926A	-17	29
1	F4	GSK1758774A	-4	26
1	G4	GSK1829732A	-12	8
1	H4	GSK1829819A	-11	-1
1	A5	GSK1829816A	-15	-25
1	B5	GSK1729177A	-7	17
1	C5	GW857165X	-19	25
1	D5	SB-829405	-19	24
1	E5	GSK847913A	-13	15
1	F5	GSK1611550A	-13	20
1	G5	GSK1826247A	-5	10
1	H5	GSK1829728A	-6	-4
1	A6	GSK445886A	-2	-23
1	B6	GSK124576A	-12	-1
1	C6	GSK1731114A	-21	-1
1	D6	GSK1832831A	-20	-22
1	E6	GSK636544A	-11	15
1	F6	GSK695914A	-15	42
1	G6	GSK889423A	-15	14
1	H6	GSK847920A	-8	-15
1	A7	GSK1650514A	-15	-2
1	B7	GSK1750922A	-9	64
1	C7	GSK1829736A	-18	8
1	D7	SB-516933	-13	7
1	E7	SB-354364	-15	13
1	F7	GSK547511A	-7	28

1	G7	GSK463114A	-10	7
1	H7	GSK479031A	2	-5
1	A8	GSK731389A	-15	-61
1	B8	GSK921295A	-13	-7
1	C8	GSK1174628A	-24	-3
1	D8	GSK1051703A	-22	7
1	E8	GSK1302651A	-114	79
1	F8	GSK1385423A	-5	23
1	G8	GSK1826089A	-11	19
1	H8	GSK1812410A	-67	91
1	A9	GSK1759150A	-26	29
1	B9	GSK1859936A	-13	2
1	C9	GSK1863309A	0	11
1	D9	GSK1925843A	-21	11
1	E9	GSK2157753A	-15	38
1	F9	GSK2200157A	25	101
1	G9	GR135487X	-17	-5
1	H9	GW623128X	-88	101
1	A10	GSK270670A	-17	-21
1	B10	GSK735826A	-20	-1
1	C10	GW369335X	-14	9
1	D10	GSK1985270A	100	103
1	E10	BRL-7940SA	99	65
1	F10	GSK385518A	-11	5
1	G10	GSK498315A	-10	4
1	H10	GSK937213A	-14	-41
1	A11	GSK994258A	-15	-29
1	B11	GSK1072678A	-14	4
1	C11	GSK1788487A	-10	-14
1	D11	GSK1733953A	-1	98*
1	E11	GSK1829727A	-11	-8
1	F11	GSK1829733A	-13	0
1	G11	GSK2059310A	-14	16
1	H11	GSK888636A	-16	-25
1	A12	GSK1107112A	-15	-218
1	B12	SB-811137-V	-22	-103
1	C12	GSK347301A	-14	-4
1	D12	GSK426032A	-11	102*
1	E12	GSK749336A	-13	8
1	F12	GSK920703A	-9	3
1	G12	GSK1589673A	-15	-51
1	H12	GSK3011724A	-71	-352
2	A1	GSK1783710A	-19	-54
2	B1	GSK1941290A	-15	-311
2	C1	GSK1829660A	-37	-71
2	D1	GSK2032710A	-50	-81
2	E1	GSK937733A	-80	-82

2	F1	GSK353496A	-74	-42
2	G1	GSK1365028A	-14	-33
2	H1	GSK1635139A	-44	-95
2	A2	GR153167X	-10	-212
2	B2	GW360240X	-13	-2
2	C2	CCI7967	-14	32
2	D2	BRL-10988SA	94	-30
2	E2	GSK316438A	-56	19
2	F2	SB-746177	-18	33
2	G2	GSK146660A	-12	6
2	H2	GSK345724A	-69	-14
2	A3	GSK468214A	-43	-22
2	B3	GSK353069A	-13	-225
2	C3	GSK991960A	23	32
2	D3	GSK1372568A	-139	17
2	E3	GSK1518999A	-74	17
2	F3	GSK1570606A	-70	0
2	G3	GSK1829671A	-10	19
2	H3	GSK1829676A	-50	-45
2	A4	GSK1829729A	-8	-30
2	B4	GSK1829674A	-12	34
2	C4	GSK130506A	8	18
2	D4	GSK358607A	-62	-50
2	E4	GSK1589671A	41	14
2	F4	GR135486X	5	21
2	G4	BRL-8903SA	98	-34
2	H4	GI103688B	-16	-4
2	A5	GSK275628A	-66	30
2	B5	BRL-51091AM	91	25
2	C5	GSK381407A	11	103*
2	D5	BRL-51093AM	17	2
2	E5	SB-650816	16	39
2	F5	GSK547481A	-3	37
2	G5	GSK690382A	-44	0
2	H5	GV187303X	-10	12
2	A6	GSK762874A	-8	-61
2	B6	GSK1121877A	11	4
2	C6	GSK1180781A	43	-1
2	D6	SB-712970	-43	34
2	E6	GSK1310678A	42	30
2	F6	GSK2200150A	-80	5
2	G6	GW861072X	-87	51
2	H6	GSK262906A	-33	-42
2	A7	BRL-10143SA	99	-103
2	B7	GW664700A	-98	-20
2	C7	GSK275984A	-53	64
2	D7	GSK124945A	60	7

2	E7	GSK810016A	33	0
2	F7	GSK1826825A	-76	22
2	G7	GSK352635A	-16	82
2	H7	GI247341A	-138	-55
2	A8	SB-811796-V	-13	-3
2	B8	GSK1668869A	64	18
2	C8	GSK1055950A	100	99
2	D8	GSK1857145A	43	34
2	E8	GSK2043267A	49	19
2	F8	GSK1905227A	-116	-14
2	G8	GSK1996236A	-5	-6
2	H8	GSK2111534A	-15	-22
2	A9	GSK735816A	33	-22
2	B9	GW356807A	3	28
2	C9	GSK163574A	-83	8
2	D9	GSK153890A	55	10
2	E9	GSK237561A	-124	17
2	F9	GR223839X	53	36
2	G9	GSK1519001A	-21	-11
2	H9	GSK861337A	-96	26

* compounds inactive in MIC assay

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GSK P1 c = 25 μ M, RFP													GSK P2 c = 25 μ M, RFP													z' 0.66	
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12		
A	-77	-19	-17	-27	-15	-2	-15	-15	-26	-17	-15	-15	A	-19	-10	-43	-8	-66	-8	99	-13	33	1	-7	100		
B	-111	-19	-15	-14	-7	-12	-9	-13	-13	-20	-14	-22	B	-15	-13	-13	-12	91	11	-98	64	3	3	-8	100		
C	-20	-33	-19	-12	-19	-21	-18	-24	0	-14	-10	-14	C	-37	-14	23	8	11	43	-53	100	-83	2	-47	100		
D	-16	-10	-15	-10	-19	-20	-13	-22	-21	100	-1	-11	D	-50	94	-139	-62	17	-43	60	43	55	10	-35	100		
E	-151	-20	-4	-17	-13	-11	-15	-114	-15	99	-11	-13	E	-80	-56	-74	41	16	42	33	49	-124	1	-24	100		
F	-10	-2	-16	-4	-13	-15	-7	-5	25	-11	-13	-9	F	-74	-18	-70	5	-3	-80	-76	-116	53	-1	-9	100		
G	-18	-17	-18	-12	-5	-15	-10	-11	-17	-10	-14	-15	G	-14	-12	-10	98	-44	-87	-16	-5	-21	-3	-13	100		
H	-26	-19	-18	-11	-6	-8	2	-67	-88	-14	-16	-71	H	-44	-69	-50	-16	-10	-33	-138	-15	-96	-13	-28	99		

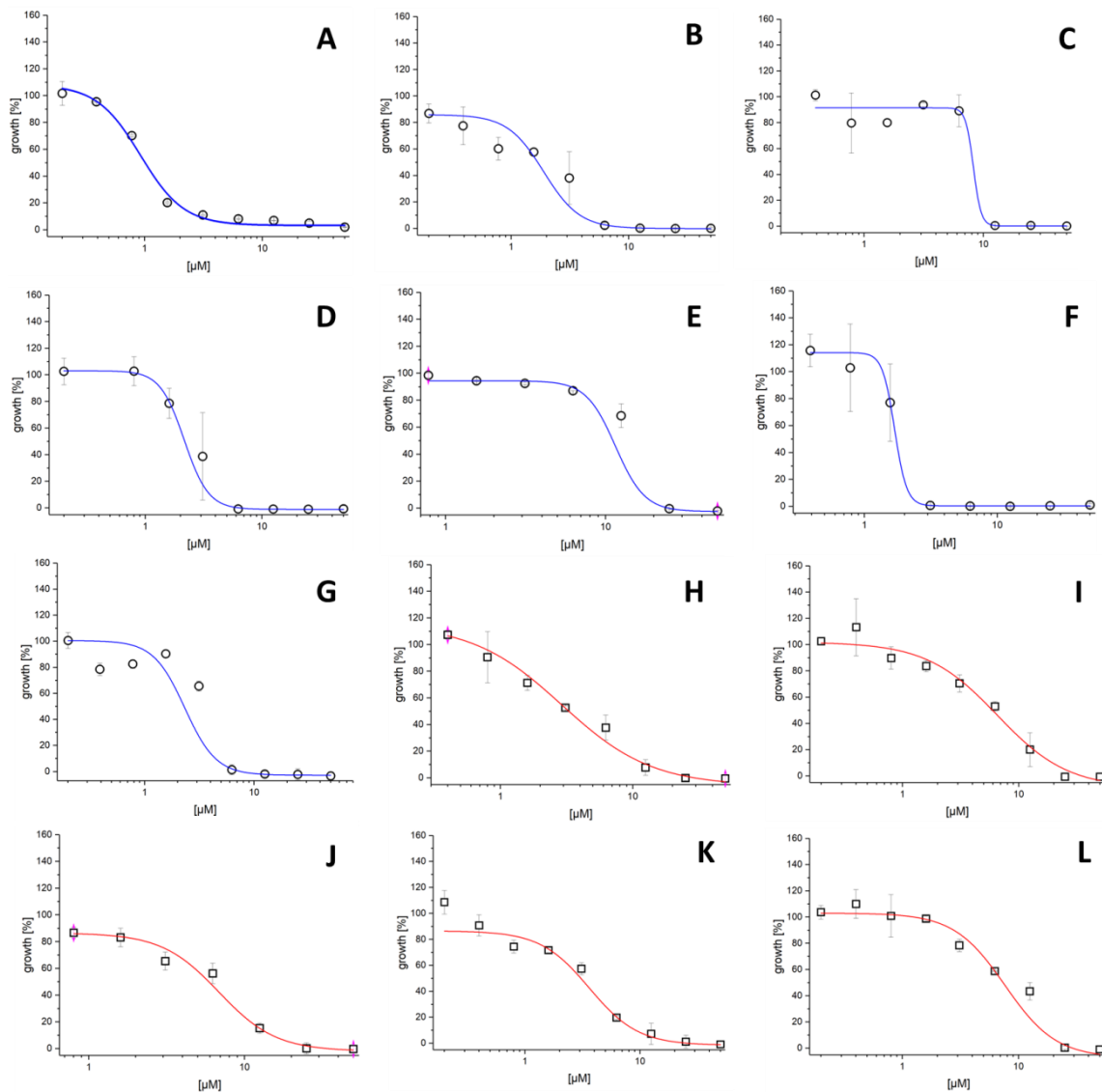
GSK P1 c = 25 μ M, OD600													GSK P2 c = 25 μ M, OD600													z' 0.71	
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12		
A	43	-5	6	-14	-11	56	-13	-3	-46	28	-52	-14	A	3	26	-27	21	29	13	99	23	33	-14	10	100		
B	34	8	3	-13	-2	-47	-4	-1	-32	8	6	-5	B	20	30	36	-12	87	1	19	-17	39	10	7	100		
C	-23	1	-15	0	0	-32	-15	-7	-22	11	5	-22	C	-20	8	-45	-17	1	5	30	101	10	6	-54	100		
D	15	22	-8	-9	15	10	15	-11	-44	103	29	-16	D	-14	82	24	12	27	-12	-8	16	32	-13	-11	100		
E	61	4	31	-25	13	-20	-17	63	-36	102	-45	-15	E	-12	5	-6	-27	13	-14	-15	11	28	11	2	100		
F	18	2	15	-13	0	-51	-1	-8	38	6	-18	-20	F	-27	11	-21	-10	-1	-1	2	17	3	3	11	100		
G	14	17	44	-34	10	-47	20	8	-47	6	-30	-23	G	0	1	-48	93	4	28	-5	-3	7	-2	-13	100		
H	12	23	12	-4	-6	-28	-28	2	39	14	21	-16	H	-1	10	-32	20	20	-9	16	9	22	0	11	101		

																									col 10	col 12
																									DMSO	Genta

29

30 **FIGURE S1** Comparison between RFP and OD₆₀₀ data (screen of the GSK small molecule
 31 leads) (**A** percentage of inhibition based on RFP signal Z' score = 0.66, **B** percentage of
 32 inhibition based on OD₆₀₀ measurement, Z' score = 0.71)

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36 **FIGURE S2** Killing curves. Activity against *Mabs* in 7H9 (red line, squares) or MHII (blue line,

37 circles) **A** MMV687807, **B** MMV688978, **C** GSK2200160A, **D** GSK2200157A, **E** GSK1812410A,

38 **F** GW623128X, **G** MMV6887730, **H** BRL-7940SA, **I** BRL-10988SA, **J** BRL-8903SA, **K** BRL-

39 **10143SA**, **L** BRL-51091AM

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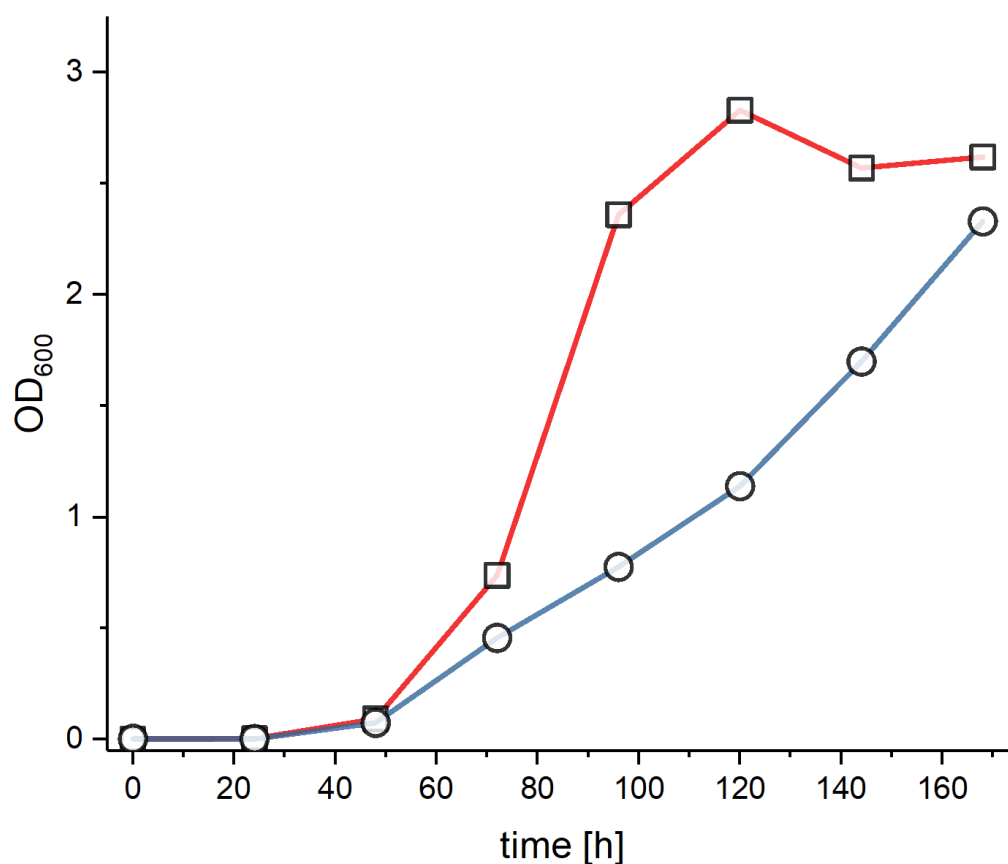
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48 **FIGURE S3** Growth curves of *Mabs* in MHII (red line, squares) or 7H9 (blue line, circles).

¹ <http://www.pathogenbox.org/>

² Ballell L, Bates RH, Young RJ, Alvarez-Gomez D, Alvarez-Ruiz E, Barroso V, Blanco D, Crespo B, Escribano J, González R, Lozano S, Huss S, Santos-Villarejo A, Martín-Plaza JJ, Mendoza A, Rebollo-Lopez MJ, Remuiñan-Blanco M, Lavandera JL, Pérez-Herran E, Gamo-Benito FJ, García-Bustos JF, Barros D, Castro JP, Cammack N. 2013. Fueling open-source drug discovery: 177 small-molecule leads against tuberculosis. *Chem Med Chem* 8:313-321. <http://dx.doi.org/10.1002/cmdc.201200428>.