

Additional file 1: Table S1. Relative *M.tb* Luminescence Units (RLUs) and RLU ratios between time points.

All 28 AMs were incubated for 2h with *M.tb* at MOI 2:1 and 10:1, and luminescence was measured at 2, 24, 48, and 72h (n=3 per sample and time point).

The relative RLU profiles were similar or comparable between MOI 2:1 and 10:1 across the time points; therefore, only MOI 2:1 values are shown.

To estimate *M.tb* generation times (equivalent to growth rates) between 24, 48, and 72h, RLU ratios between time points were calculated with unadjusted RLUs, yielding similar results with MOI 2:1 and 10:1, indicating the ratios are robust and reproducible.

AM	2hr RLU avg MOI=2	24hr RLU avg MOI=2	48hr RLU avg MOI=2	72hr RLU avg MOI=2	AM	24/2 ratio MOI=10	24/2 ratio MOI=2	48/24 ratio MOI=10	48/24 ratio MOI=2	72/48 ratio MOI=10	72/48 ratio MOI=2
D1	20	190	1896	3600	D1	140.6	52.0	2.92	2.55	1.87	1.87
D2	6	358	2714	5148	D2	33.6	28.7	2.98	2.84	1.92	1.90
D3	15	108	1177	2834	D3	43.4	30.4	2.68	3.05	1.82	1.62
D4	21	116	387	750	D4	4.6	3.7	2.39	2.35	1.82	1.76
D5	24	176	910	1732	D5	9.3	6.9	2.79	2.65	2.01	2.09
D6	3	29	1588	4395	D6	7.6	4.2	2.15	2.09	1.37	1.47
D7	17	188	2870	7042	D7	9.9	5.1	2.42	2.43	1.98	2.05
D8	11	96	2001	2916	D8	6.7	3.3	2.12	2.49	1.71	1.81
D9	27	330	2427	4399	D9	7.5	4.3	2.35	2.19	1.87	2.26
D10	2	32	1663	4295	D10	7.2	3.8	1.96	2.03	1.76	1.85
D11	1	15	1402	3247	D11	15.3	11.6	1.39	1.60	1.86	2.21
D12	5	51	624	1499	D12	13.9	5.6	1.81	2.03	1.85	1.89
D13	28	268	842	1602	D13	4.8	3.6	2.52	2.35	1.96	1.83
D14	9	333	2548	5070	D14	8.8	3.9	2.18	2.15	1.50	1.84
D15	13	120	774	1654	D15	20.5	10.9	2.13	2.41	2.48	2.35
D16	7	317	2878	6363	D16	34.0	32.7	2.14	2.27	1.60	1.79
D17	16	204	6673	15159	D17	17.8	15.3	2.50	2.45	2.02	2.12
D18	18	145	397	933	D18	6.4	2.7	2.39	2.35	1.80	2.43
D19	8	287	1713	3880	D19	15.3	12.6	2.20	1.94	1.83	2.01
D20	25	241	1942	3785	D20	10.2	10.0	1.89	1.90	1.55	1.66
D21	4	62	416	885	D21	5.6	3.3	1.81	1.94	2.12	2.08
D22	19	119	1498	2903	D22	11.2	6.5	2.36	2.21	1.98	1.88
D23	22	174	1123	2485	D23	16.6	7.6	1.79	1.57	1.92	1.77
D24	26	175	1411	2591	D24	5.2	5.2	1.90	1.90	1.74	1.74
D25	10	389	2662	4917	D25	8.1	8.1	2.21	1.95	1.89	1.94
D26	23	212	1609	2528	D26	18.8	8.1	1.80	1.84	1.68	1.59
D27	14	465	3243	6318	D27	10.1	7.4	1.88	1.81	2.08	2.18
D28	12	93	939	1727	D28	7.3	3.1	1.97	1.90	1.84	1.81