

Supplementary Table 1. Overlapping peptide sets of *Mtb* Rpf antigens.

S-1A Overlapping peptide set of Rv0867c

Peptide number	Rv0867c aa sequence	Position start-end
1	MSGRHRKPTTSNVSVAKIAF	1-20
2	SNVSVAKIAFTGAVLGGGGI	11-30
3	TGAVLGGGGIAMAQAATAAT	21-40
4	AMAAQATAATDGEWDQVARC	31-50
5	DGEWDQVARCESGGNWSINT	41-60
6	ESGGNWSINTGNGYLGGLQF	51-70
7	GNGYLGGLQFTQSTWAAHGG	61-80
8	TQSTWAAHGGGEFAPSAQLA	71-90
9	GEFAPSAQLASREQQIAVGE	81-100
10	SREQQIAVGERVLATQGRGA	91-110
11	RVLATQGRGAWPVCGRGLSN	101-120
12	WPVCGRGLSNATPREVLPAAS	111-130
13	ATPREVLPAASAMPAPLDAA	121-140
14	AAMPAPLDAAAVNGEPAPLA	131-150
15	AVNGEPAPLAPPADPAPPV	141-160
16	PPADPAPPVELAANDLPAP	151-170
17	ELAANDLPAPLGEPLPAAPA	161-180
18	LGEPLPAAPADPAPPADLAP	171-190
19	DPAPPADLAPPAPADVAPPV	181-200
20	PAPADVAPPVELAVNDLPAP	191-210
21	ELAVNDLPAPLGEPLPAAPA	201-220
22	LGEPLPAAPADPAPPADLAP	211-230
23	DPAPPADLAPPAPADLAPPA	221-240
24	PAPADLAPPAPADLAPPAPA	231-250
25	PADLAPPAPADLAPPVELAV	241-260
26	DLAPPVELAVNDLPAPLGEPL	251-270
27	NLDPAPLGEPLPAAPAEELAP	261-280
28	LPAAPAEELAPPADLAPASAD	271-290
29	PADLAPASADLAPPAPADLA	281-300
30	LAPPAPADLAPPAPAEELAPP	291-310
31	PPAPAEELAPPAPADLAPPAA	301-320
32	APADLAPPAAVNEQTAPGDQ	311-330
33	VNEQTAPGDQPATAPGGPVG	321-340
34	PATAPGGPVGLATDLELPEP	331-350
35	LATDLELPEPDPQADAPP	341-360
36	DPQADAPPDVTTEAPAET	351-370
37	GDVTEAPAETPQVSNIAYTK	361-380
38	PQVSNIAYTKKLWQAIRAQD	371-390
39	KLWQAIRAQDVCNDALDSL	381-400
40	AQDVCNDALDSLAPFYVIG	388-407

S-1B Overlapping peptide set of Rv2389c

Peptide number	Rv2389c aa sequence	Position start-end
1	MTPGLLTAGAGRPRDRCAR	1-20
2	AGRPRDRCARIVCTVFIETA	11-30
3	IVCTVFIETAVVATMFVALL	21-40
4	VVATMFVALLGLSTISSKAD	31-50
5	GLSTISSKADDIDWDAIAQC	41-60
6	DIDWDAIAQCESGGNWAANT	51-70
7	ESGGNWAANTGNGLYGGLQI	61-80
8	GNGLYGGLQISQATWDSNGG	71-90
9	SQATWDSNGGVSPAAASPQ	81-100
10	VGSPAAASPQQIEVADNIM	91-110
11	QQIEVADNIMKTQGGPAPWK	101-120
12	KTQGGPAPWKSSCSQGDAP	111-130
13	CSSCSQGDAPLGLTHILTF	121-140
14	LGLTHILTFLLAAETGGCSG	131-150
15	THILTFLLAAETGGCSGRDD	141-160