

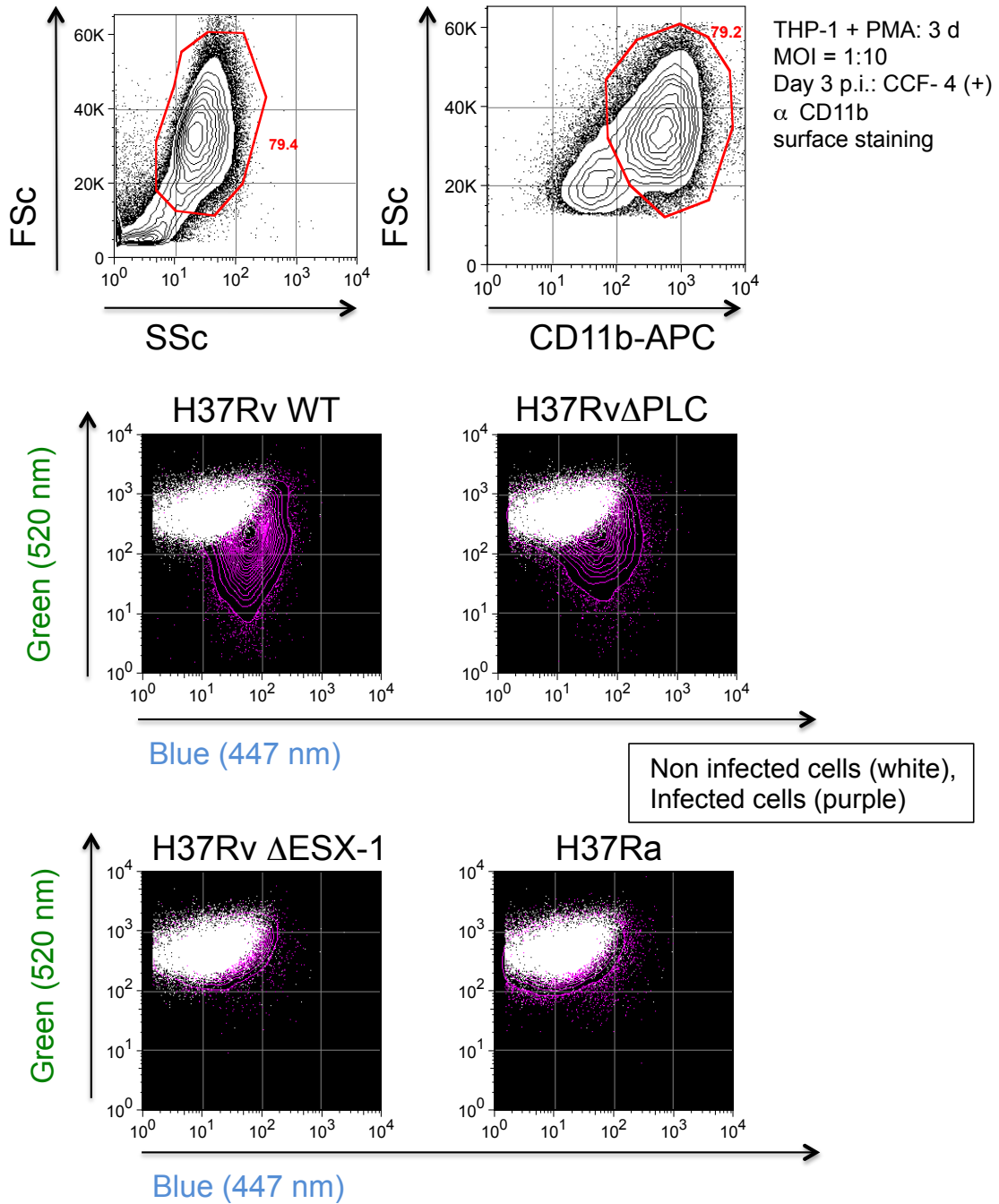
Supplementary Information:

Revisiting the role of phospholipases C in virulence and the lifecycle of *Mycobacterium tuberculosis*

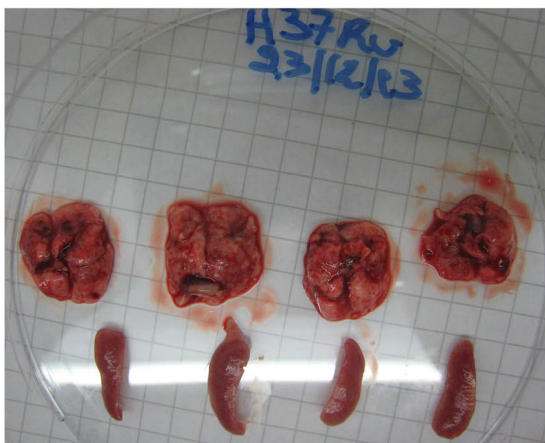
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Supplementary Figure 1: Capacity of different mycobacterial strains at inducing phagosomal rupture (Gating Strategy)

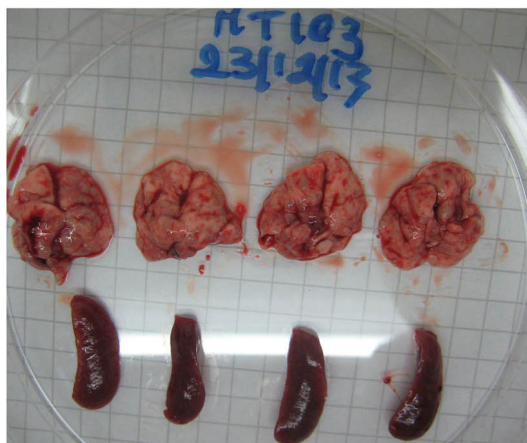
(after Simeone et al., PLoS Pathogens, 2015)



M. tuberculosis
H37Rv WT



M. tuberculosis
MT103 WT



M. tuberculosis
H37Rv Δ PLC



M. tuberculosis
MT103 Δ PLC



Supplementary Figure 2: Lungs and spleens from SCID mice 3 weeks after intravenous infection with the different *M. tuberculosis* strains, indicated.

M. tuberculosis
H37Rv WT



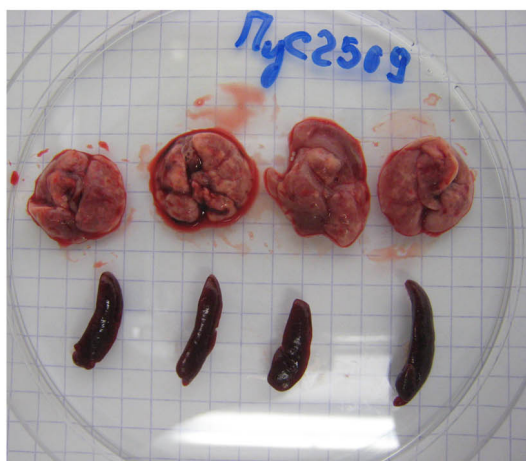
M. tuberculosis
MT103 WT



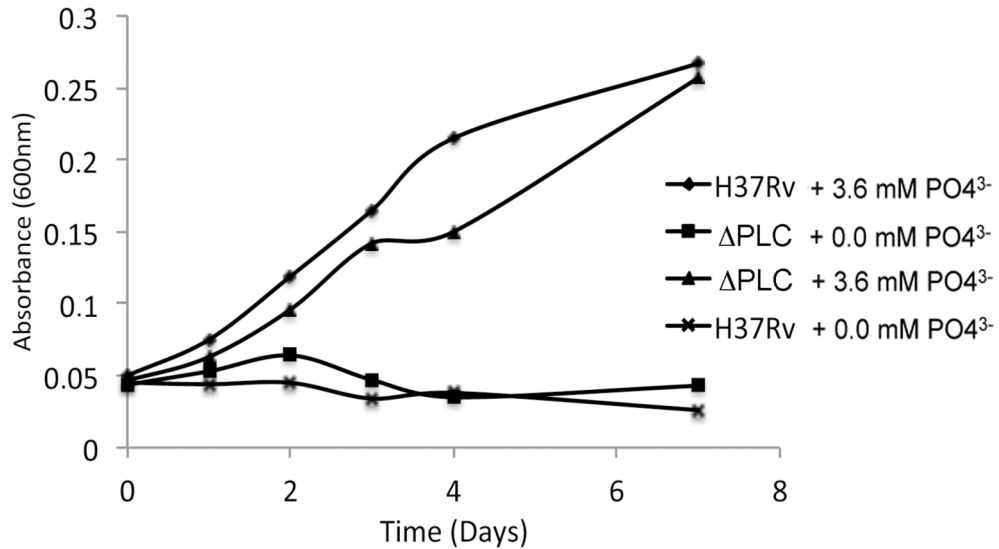
M. tuberculosis
H37Rv Δ PLC



M. tuberculosis
MT103 Δ PLC



Supplementary Figure 3: Lungs and spleens from C57BL/6 mice 6 weeks after aerosol infection with the different *M. tuberculosis* strains, indicated.



Supplementary Figure 4: Growth curve at 37°C of *M. tuberculosis* H37Rv WT and ΔPLC strains in presence or absence of phosphate.

Supplementary Table 1

Table n°1 Primers list used in this study

Name	Séquence
Construction of <i>M.tuberculosis</i> H37Rv Δ <i>plc</i>	
1 Apra_Swal_Forward	5'- <u>ATTTAAAT</u> tcatgtgcagctccatcagc-3'
2 Apra_Swal_Reverse	5'- <u>ATTTAAAT</u> cattgagcgtcagcatatcat-3'
3 Up-region_plcA_Del_Forward	5'-gaatgcaagcaatgggcggac-3'
4 Up-region_plc_Del_Reverse	5'-tggagctgcacatgaa <u>ATTTAAAT</u> tccgaggagtggccttgcgct-3'
5 Up-region_plcC_Del_Forward	5'-atgctgacgtcaatg <u>ATTTAAAT</u> ccgggatggttcagacgtaa-3'
6 Up-region_plcC_Del_Reverse	5'-atgcggaatcacgctgctgct-3'
Screening of <i>M.tuberculosis</i> H37Rv Δ <i>plc</i>	
7 Apra_Verif_Down	5'-tcgctgatgatatgctgacg-3'
8 Apra_Verif_Up	5'-ctgatggagctgcacatgaa-3'
9 Verif_H37Rv_Del_Up	5'-ccgctggccatgcgaaaag-3'
10 Verif_H37Rv_Del_Down	5'-tcataaaacgtgttgccatggtg-3'
Construction of Pr_plc-ATGegfp plasmid	
11 PlcA_NheI_R	5'-atcg <u>GCTAGC</u> tgacattccgaggagtgggc-3'
12 Pr_plcA_HindIII_EcoRV_F	5'-atcg <u>AAGCTTGATATC</u> gaatgcaagcaatgggcgga-3'