

Figure S1

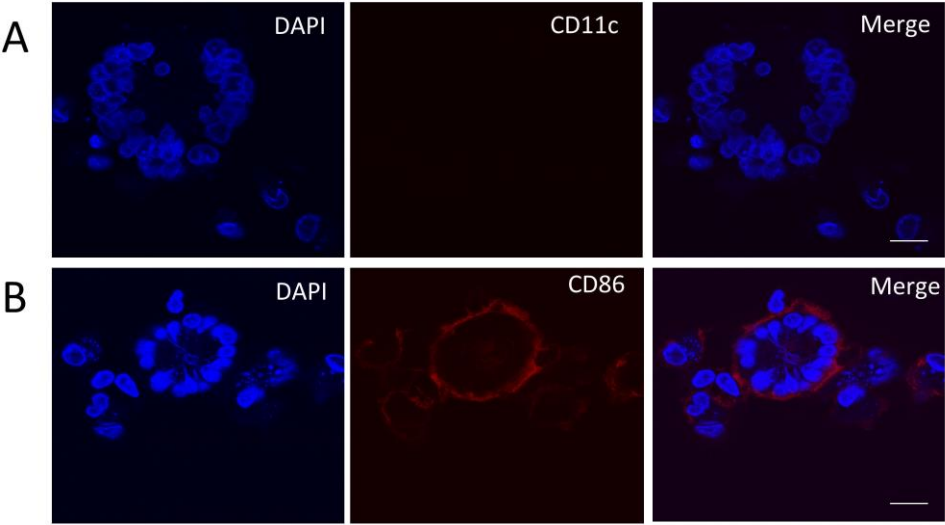
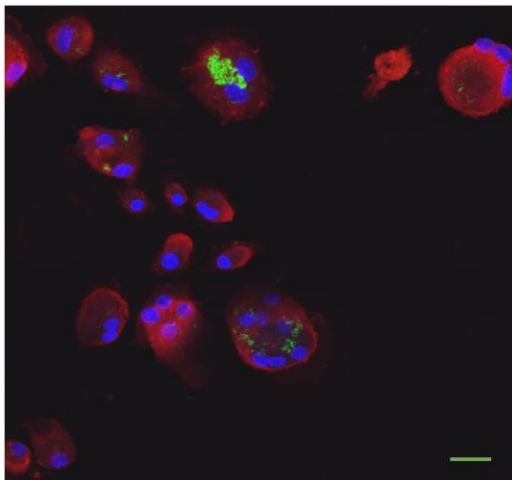


Figure S2

A



B

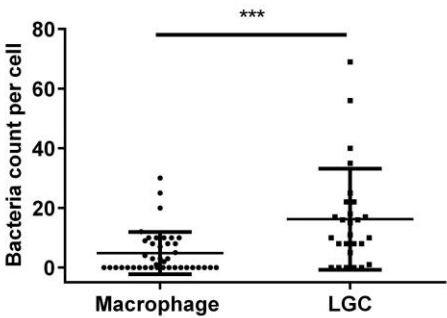
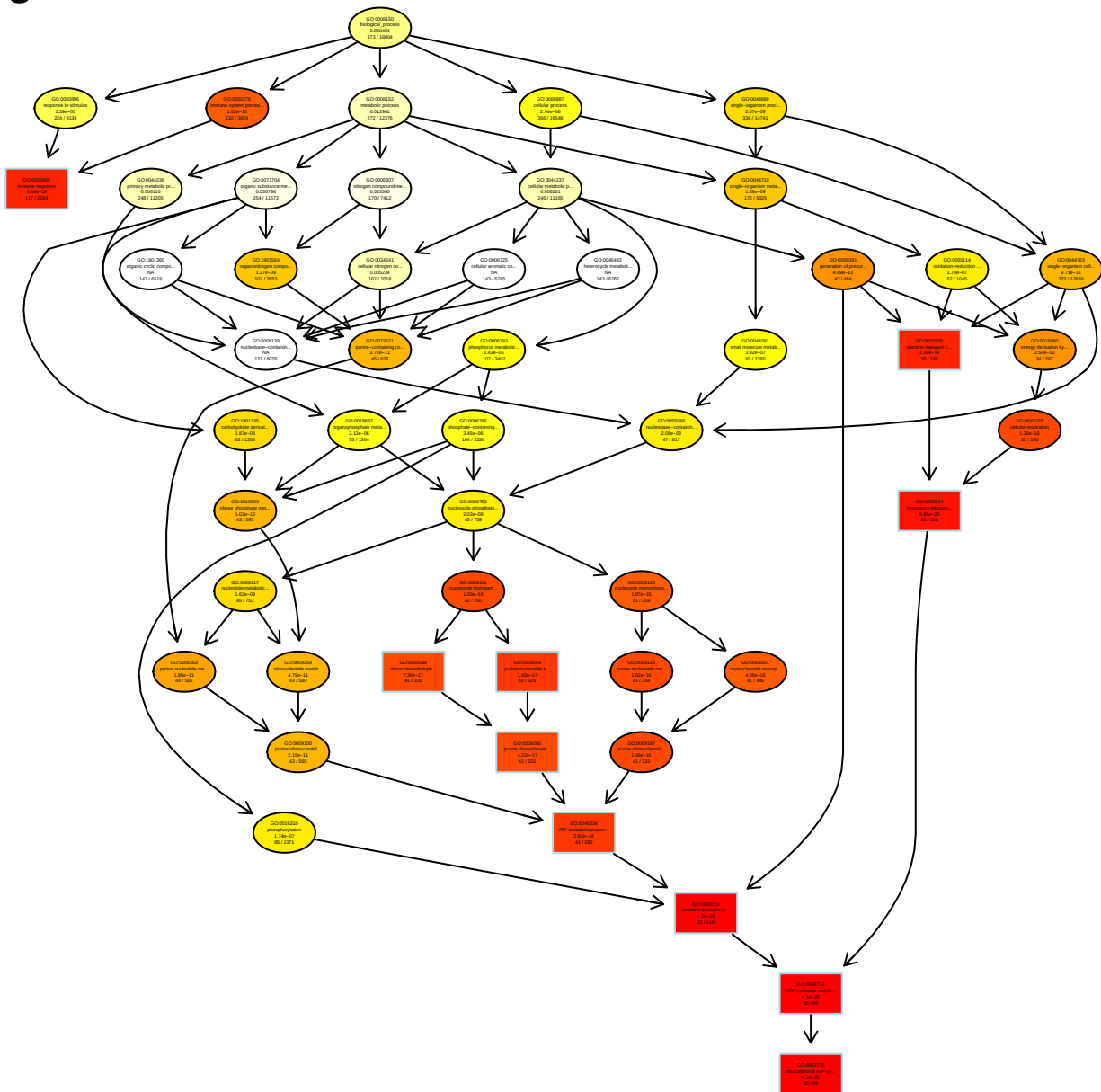


Figure S3



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(c) Kanehisa Laboratories

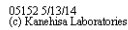


Figure S1. Representative immunofluorescent images of expression of CD11c and CD86 in LGCs and macrophages stimulated by GM-CSF + IFN- γ for 7 day. (A) red, CD11c; blue, nucleus. Scale bar, 10 μ m. (B) red, CD86; blue, nucleus. Scale bar, 10 μ m.

Figure S2: *In vitro* Phagocytosis experiment. (A) Confocal laser scanning microscopy images showing the uptake of fluorescent-labeled *M. bovis* BCG (green) 24 h post infection. Nuclear were labeled by Hoechst 33342(blue) and the membrane was stained by Cell Mask plasma membrane stain (red). Bar scale, 10 μ m. (B) The number of bacteria phagocytosed by LGCs and macrophages 24 h post infection. Mann-Whitney test was used for statistical analysis. ***P < 0.001.

Figure S3: GO enrichment analysis of the down-regulated DEGs of LGCs displayed in dendrogram form by Directed Acyclic Graph.

Figure S4: Gene expression of Tuberculosis signaling pathway. Upregulated genes are show with a red border, down-regulated genes expressed in a blue border.