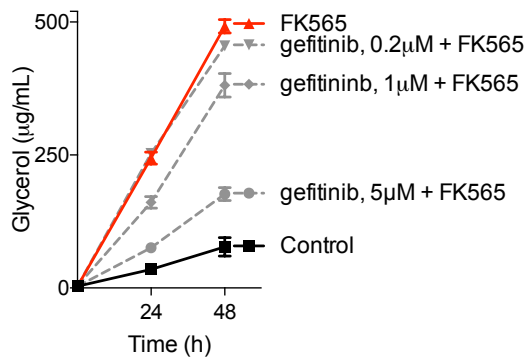
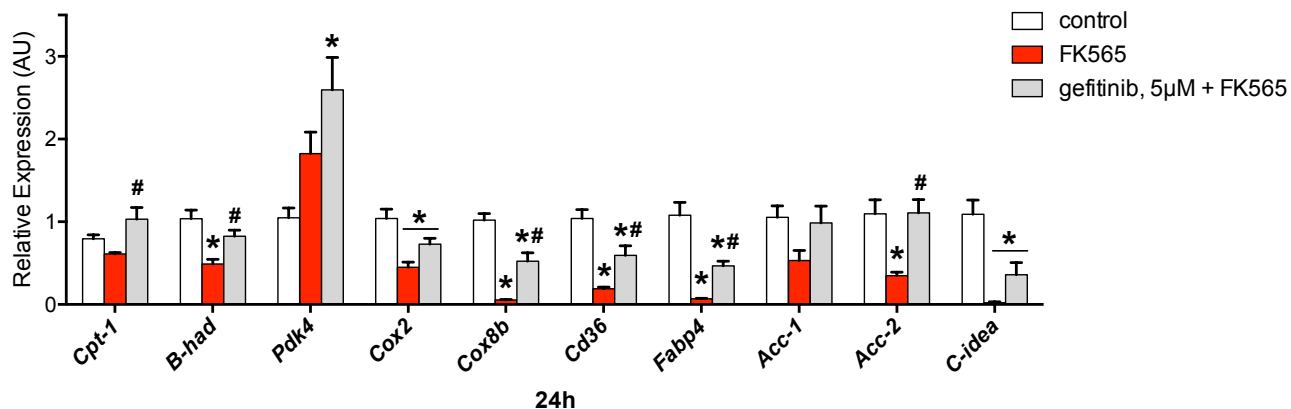
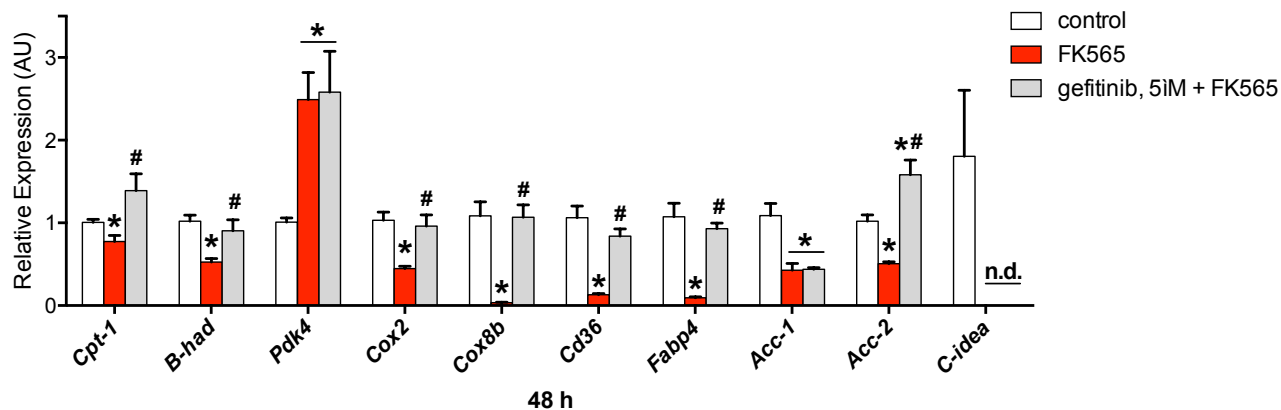


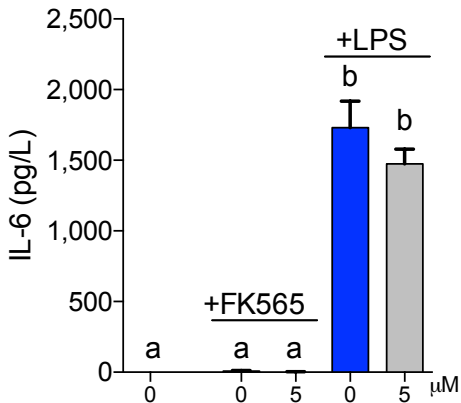
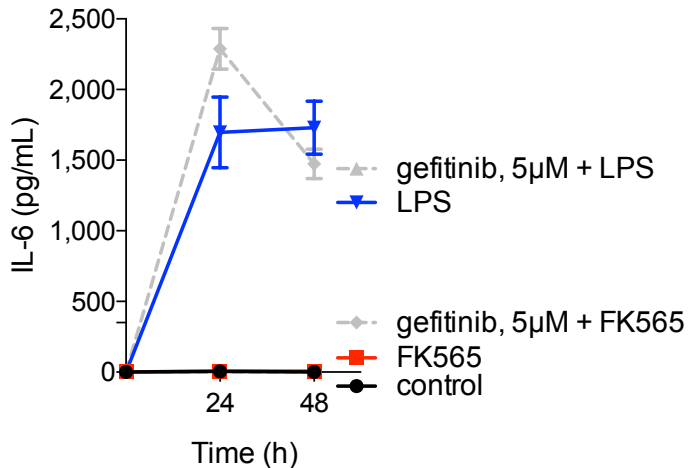
## Supplementary Information

# **Tyrosine kinase inhibitors of Ripk2 attenuate bacterial cell wall-mediated lipolysis, inflammation and dysglycemia**

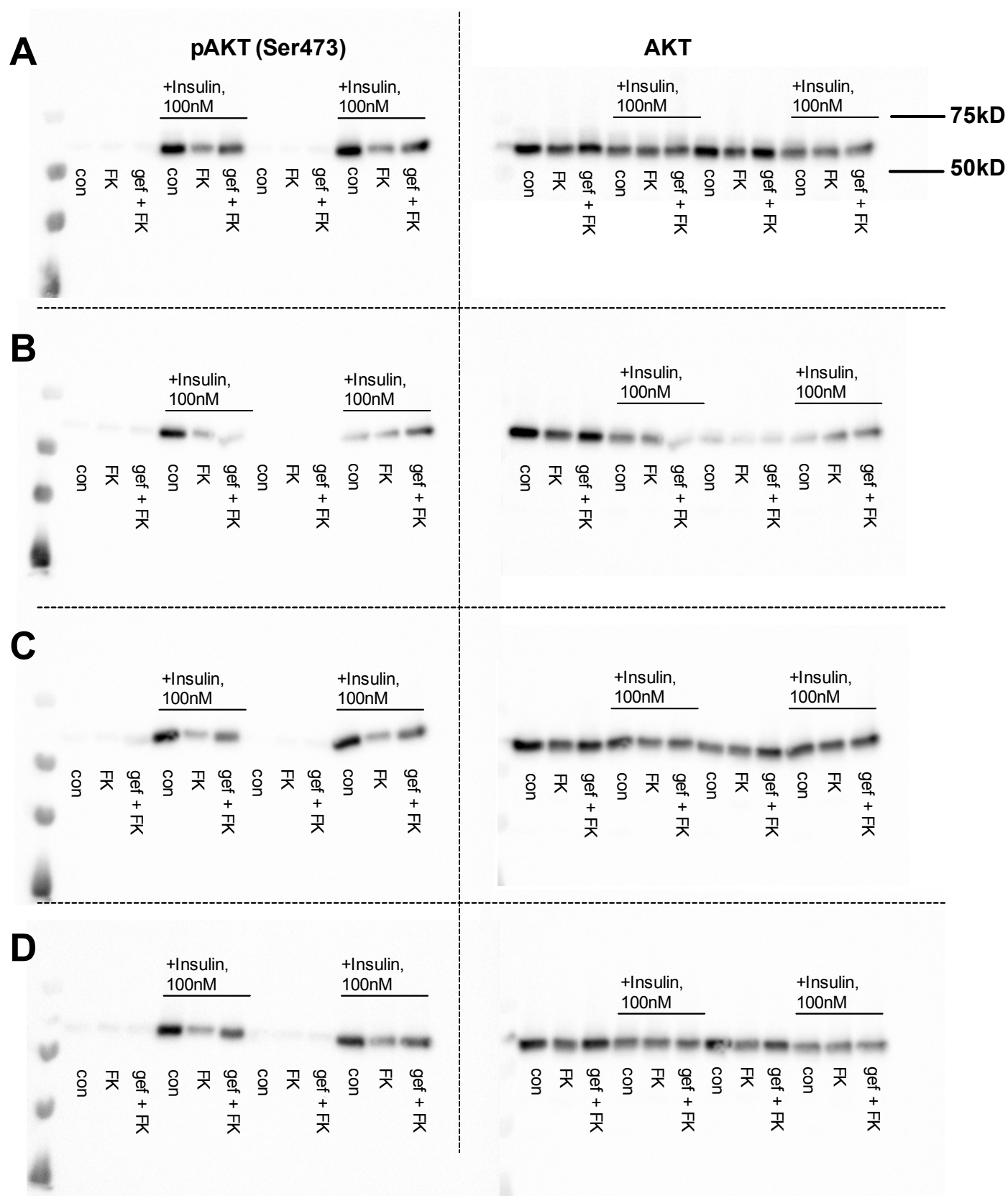
Authors: Brittany M. Duggan, Kevin P. Foley, Brandyn D. Henriksbo, Joseph F. Cavallari, Akhilesh K. Tamrakar, Jonathan D. Schertzer.

**A****B****C**

**Supplementary Figure 1.** Time course of glycerol release in 3T3-L1 adipocytes pre-incubated with gefitinib and stimulated with the NOD1 ligand FK565 (10µg/mL), n=4-12 (A). Changes in gene expression of molecular markers of lipid oxidation, transport and synthesis 24 h (B) and 48 h (C) after stimulation with the NOD1 ligand FK565 (10µg/mL) in 3T3-L1 adipocytes pre-incubated with gefitinib, n=7-8. Values are mean  $\pm$  SEM. \* denotes statistically different from Control condition, # denotes statistically different from FK565 condition (p<0.05).

**A****B**

**Supplementary Figure 2.** Levels of Il-6 secreted from Bone marrow-derived macrophages (BMDMs) are below the detectable level 48 hours after stimulation with the NOD1 ligand FK565 (10  $\mu$ g/mL). Levels of IL-6 secreted from BMDMs are stimulation with the Tlr4 ligand LPS (0.5  $\mu$ g/mL) pre-incubated for 1h with gefitinib (A), n=5. Time course of FK565-stimulated or LPS-stimulated Il-6 secretion (B), n=5. Values are mean  $\pm$  SEM. Different letters assigned to each condition (a, b, c) denote statistical differences between groups ( $p < 0.05$ ).



**Supplementary Figure 3.** Immunoblots of basal (ie. no insulin) and 100nM insulin-stimulated pAKT (Ser473; left panel), and total AKT (right panel) from 4 different blots (A-D). For each condition, n=2 basal and n=2 insulin-stimulated samples were included on each gel. ‘Con’ = Control, ‘FK’ = FK565 (10 $\mu$ g/mL) and ‘gef +FK’ = gefitinib (5 $\mu$ M) + FK565 (10 $\mu$ g/mL). Quantitative comparison was conducted between samples from all 4 blots, derived from the experiment and processed in parallel.