

Simvastatin may induce insulin resistance through a novel fatty acid mediated cholesterol independent mechanism

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Supplemental Methods

Cytotoxicity assay: L6 Cells were treated with different concentrations of Simvastatin and Atorvastatin for 48 h and then incubated with 5 mg/ml MTT for 4 h at 37°C. Medium was then removed and 200 µl of DMSO was added to dissolve the crystal. Absorbance was measured at a wavelength of 490 nm using multiplate reader (Perkin-Elmer, Waltham, Massachusetts, USA).

Supplemental Figure legends

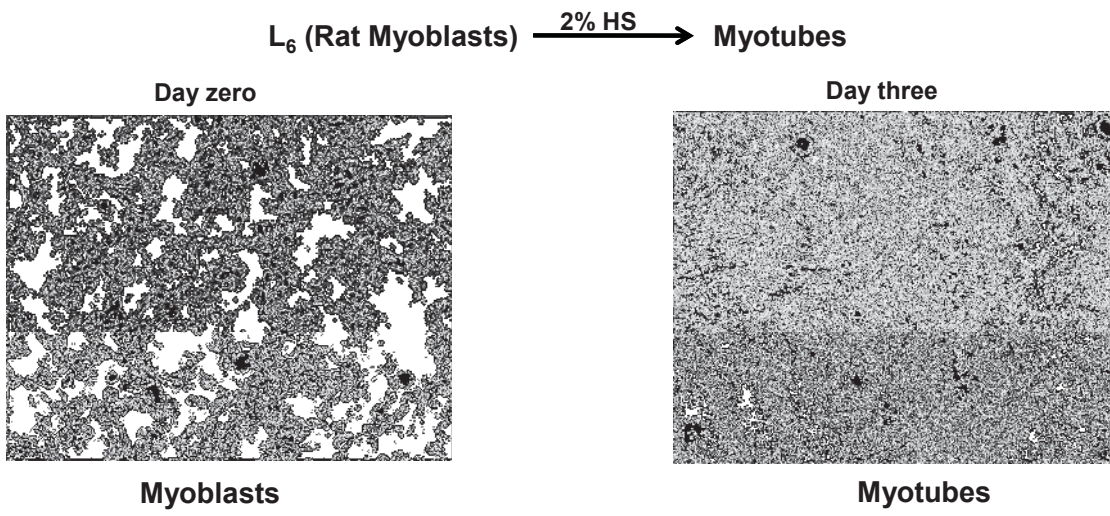
Supplemental Figure 1: Differentiation of L6 myoblasts to L6 myotubes

Supplemental Figure 2: MTT assay for assessing the cells viability for L6 cells post treatment of the different concentrations of simvastatin and atorvastatin as mentioned.

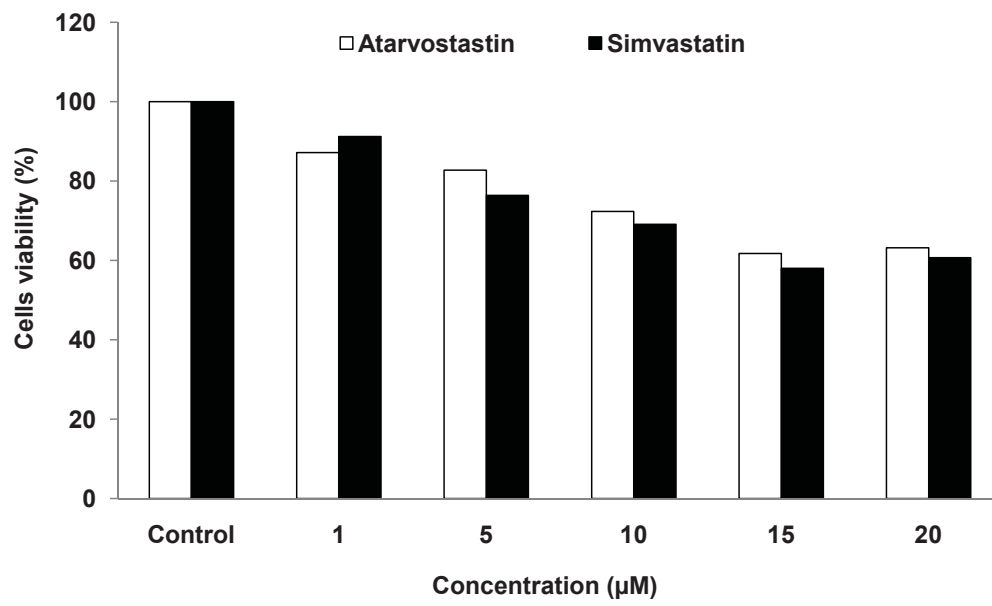
Supplemental Figure 3: Densitometric quantification of the blots of Figure 4d

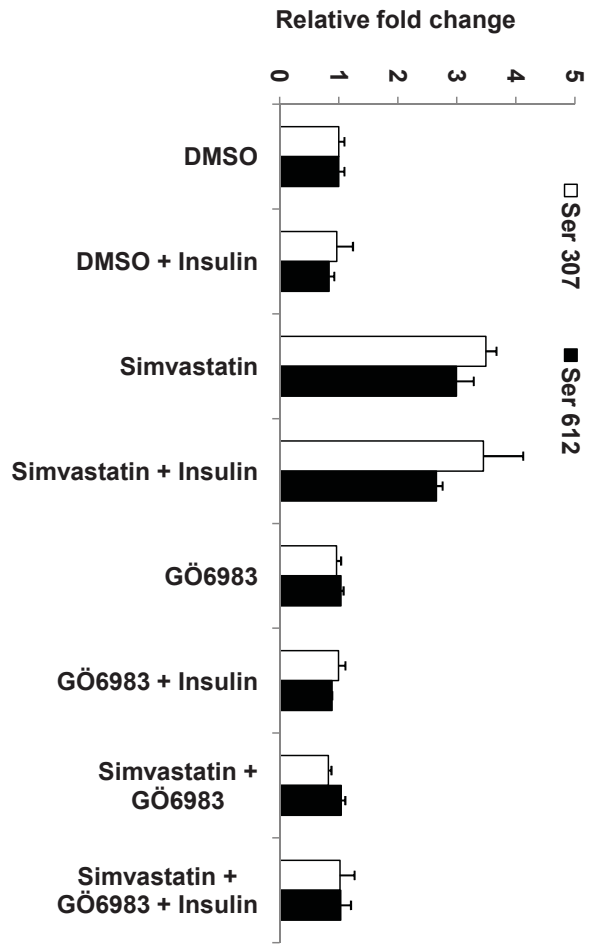
Supplemental Figure 4: Full blot images for the cropped western blot films.

Supplemental Figure 1



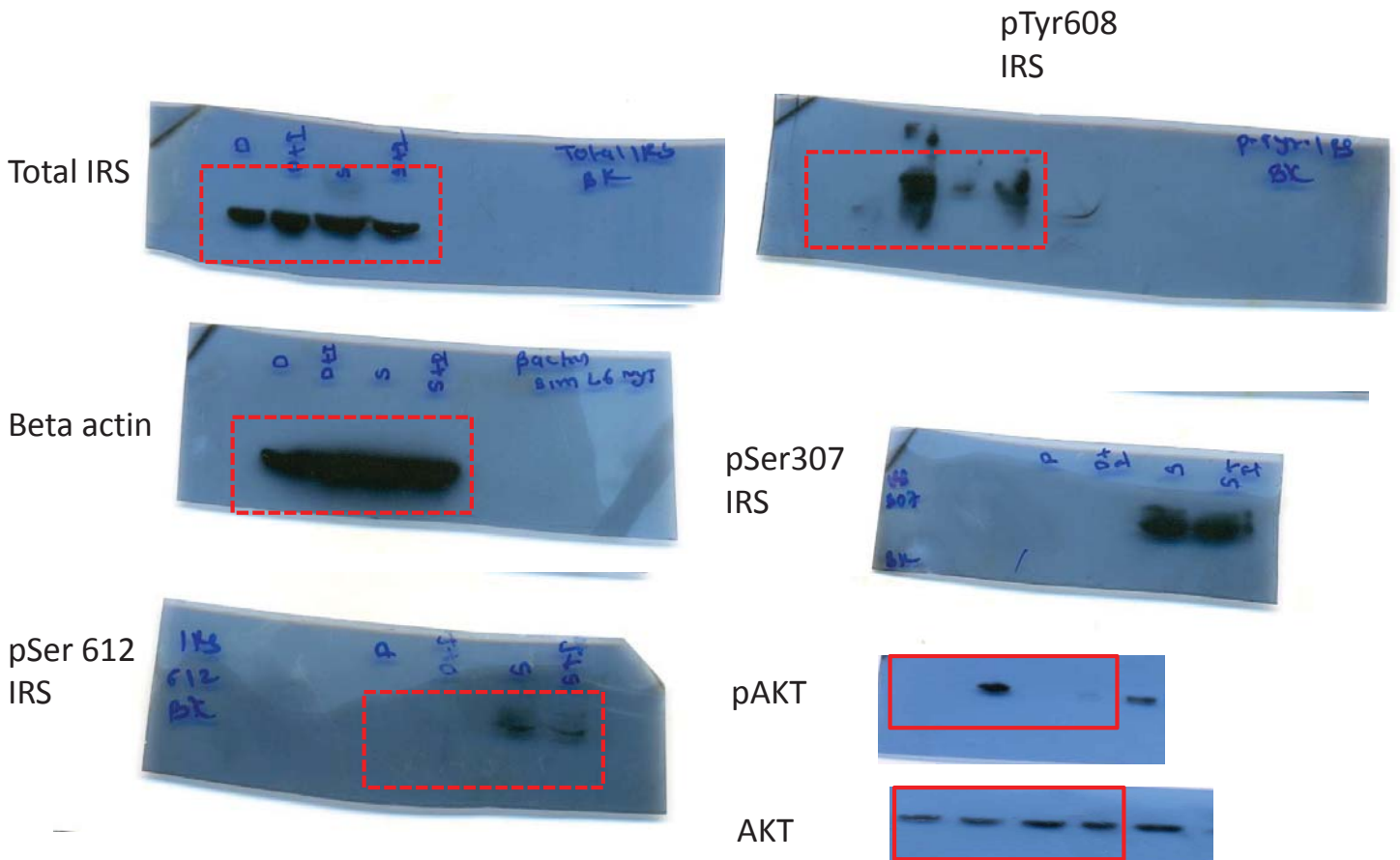
Supplemental Figure 2





Supplemental Figure 3

Supplemental Figure 4



Supplemental Figure 4

