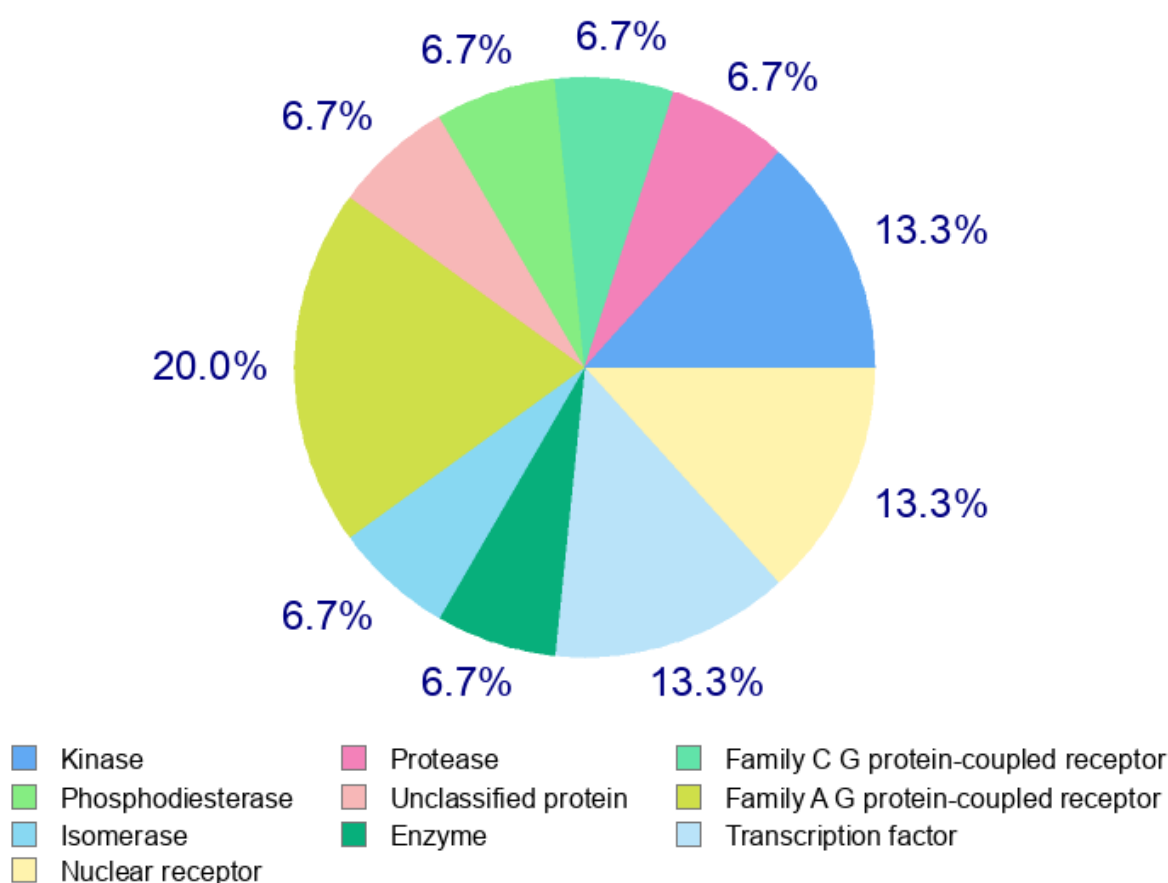


Supplementary material to

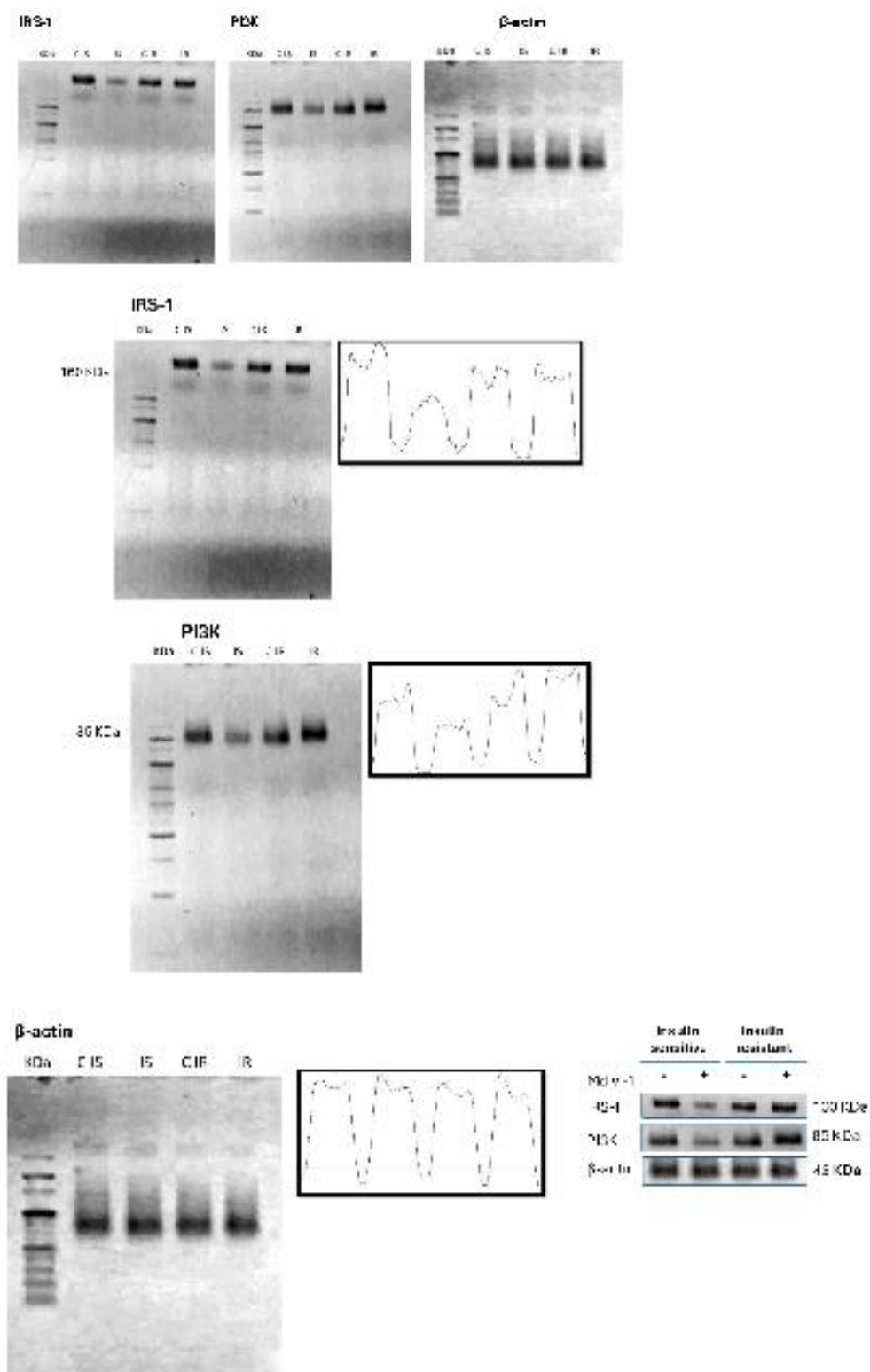
## Inhibition of the mitochondrial fission dynamin-related protein-1 attenuates insulin resistance in hepatoma cells: Implication of mitochondrial dysfunction, apoptosis and nucleolar disruption

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**Figure S1.** Classes of cellular proteins weakly targeted by Mdivi-1. Target predication analysis was performed using Mdivi-1 SMILS structure and SwissTargetPrediction tool (<https://www.swisstargetprediction.ch/>). The analysis nominated 100 proteins categorized in 10 classes, where GPCR, nuclear receptors, kinases and transcription factors represent the major classes, representing 20, 13 and 13 %, respectively



**Figure S2.** Uncropped Western blot gel of IRS-1 and PI3K proteins in control insulin-sensitive cells (CIS), insulin-sensitive cells treated with Mdivi-1 (IS), control insulin-resistant cells (CIR), and insulin-resistant cells treated with Mdivi-1 (IR). The first lane was loaded with a molecular weight marker