



Supplemental Figure 7: Evaluation of the UPR in livers from control and *L-Pik3r1⁺* mice. At eight weeks of age, male *Pik3r1^{lox/lox}* or *L-Pik3r1⁺* mice were administered vehicle or tunicamycin (2.5 μ g/g B.W.) by intraperitoneal injection. a) Following treatment for 18 hours ($n=5$ per group), livers were collected and nuclear as well as cytosolic protein lysates prepared. Following separation by SDS-PAGE and transfer to PVDF, immunoblotting was performed using the indicated antibodies. Actin and laminin A/C immunoblots were performed to confirm equal protein loading. b) Quantification of BiP and Grp94 expression data was achieved by densitometry using NIH Image J software. Data are presented as the means \pm SEM, and asterisks indicate statistical significance determined by student's t-test (* $p < 0.05$; ** $p < 0.001$)