



Figure S2. Differential regulation of GFP-CLASPs by GSK3 and Insulin.

A) N1E-115 cells were transfected with GFP-CLASP1 α (upper panels), GFP-CLASP2 α (middle panels) or GFP-CLASP2 γ (lower panels), and treated with lithium chloride (20 mM) and myo-Inositol (10 mM) for 4 hours (Lithium), or insulin (2 $\mu\text{g}/\text{ml}$) for 10 min (before the treatments, cells were serum starved overnight). Cells were fixed after treatments. Fluorescence images show control and treated cells expressing low levels of GFP-tagged CLASPs. Scale bar= 20 μm . **B**) Quantification of the number of GFP-CLASP comets/100 μm^2 . **C**) Quantification of the length of GFP-CLASP-comets (in μm). SEM is depicted in the bar graphs. Anova tests were performed in B) and C).