Figure S11. (A) ClueGO analysis of proteomic data from PANC-1 cell line overexpressing COUP-TFII_V2. Barplots indicate the percentage of genes per GO term. (B) Pie chart representing GO terms as a percentage according to the number of proteins identified. (C) GO terms influenced by COUP-TFII represented as networks organized in traditional cellular pathways with cellular localization; view. The visualization was obtained with the Cerebral Plugin for Cytoscape. GO, gene ontology; TF, transcription factor. *P<0.05; **P<0.01.

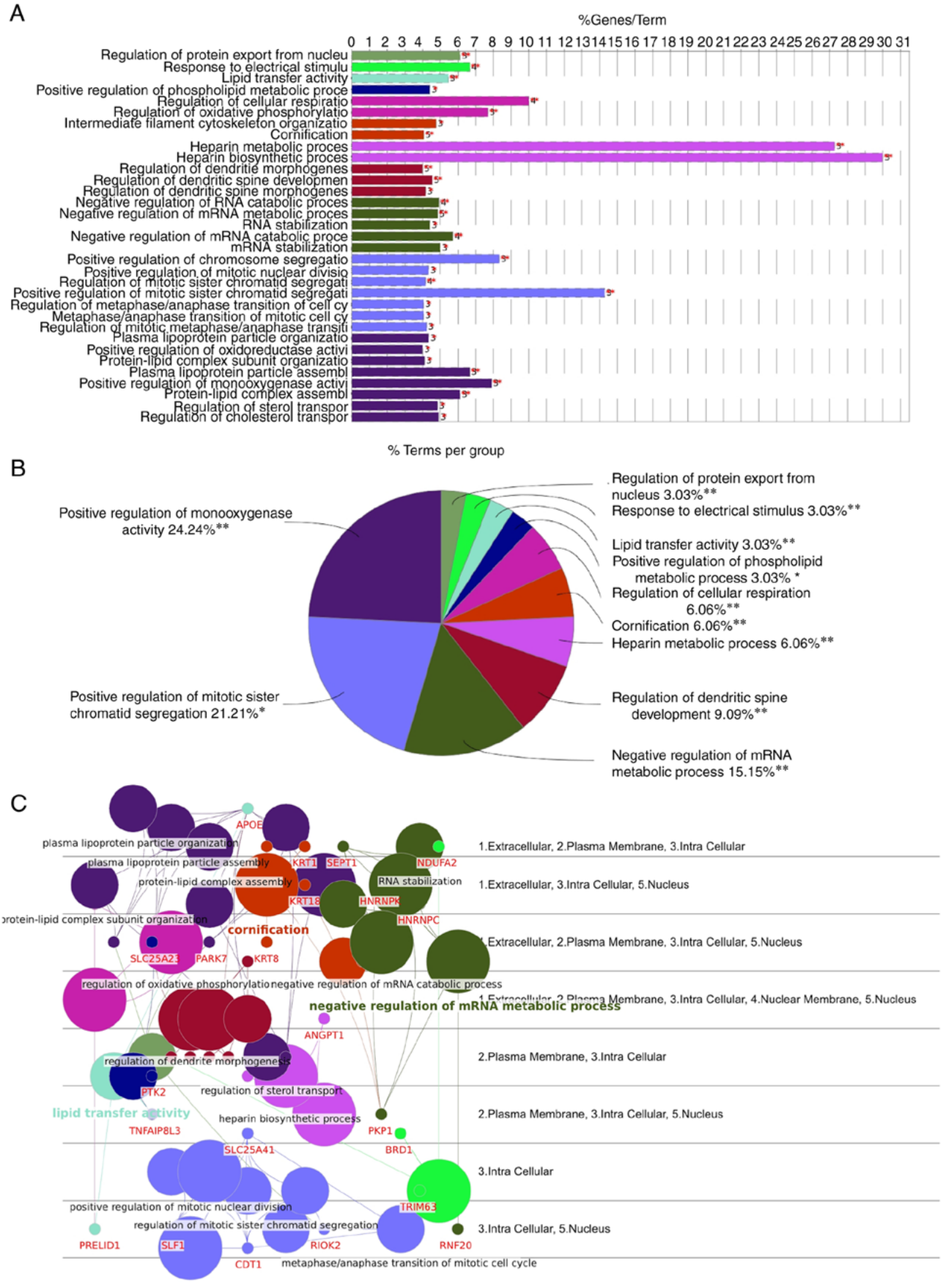

Figure S12. (A) Photomicrographs of MOCK, PANC-V1 and PANC-V2 treated with TGFβ or Compound C for 1 week (original magnification, x100). (B) IF for phosphorylated SMAD2/3 in PANC-1 clones without any treatment. IF suggests a higher expression and nuclear localization of the TGFβ effector in PANC-V1 cells compared to PANC-V2. (C) IF for β-catenin in PANC-1 clones. Arrows indicate cells with a distinct nuclear β-catenin signal (scale bars, 10 μm). PANC-V1, PANC-1 cell line overexpressing COUP-TFII_V1; PANC-V2, PANC-1 cell line overexpressing COUP-TFII_V2; MOCK, PANC-1 cell line resistant to G418; TF, transcription factor; IF, immunofluorescence.

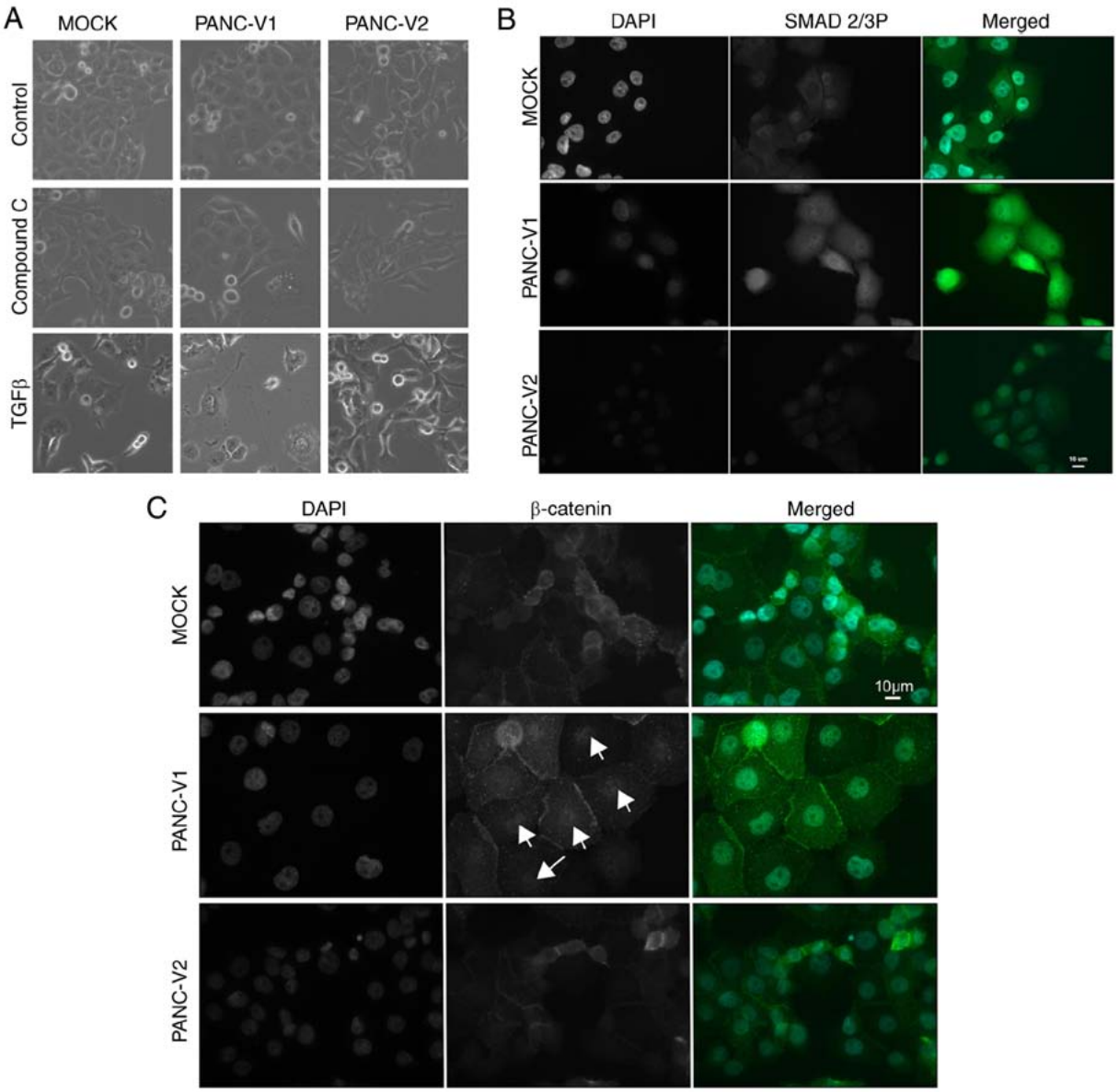

Figure S13. (A) Densitometric analysis of the western blot from Fig. 6B. The dashed line represents the reference ratio measured in MOCK cells. (B) Western blot of protein extracts of PL-45, CAPAN-2 and MiaPaca2 transfected with pcDNA 3.1(+) (C) or either one of the following: COUP-TFII_V1, COUP-TFII_V2 or COUP-TFII_V2NLS. From CAPAN-2, proteins were extracted 72 h after transfection, while extraction was performed at 48 h after transfection for PL-45 and MiaPaca2 cells. (C) Mitochondria depolarization in MOCK, PANC-V1 and PANC-V2 groups in SFIF or medium with 10% serum. Depolarization was evaluated with the Mitopotential kit of the Muse Cell Analyzer. (D) Gli reporter luciferase activity of PANC-V1 and PANC-V2 cells. (E) Annexin V apoptosis assay in PANC-V1 and PANC-V2 after LiCl administration, indicating a significant increase in the total apoptotic fraction in PANC-V1 cells. Values are expressed as mean ± standard deviation. *P<0.05; **P<0.01; ***P<0.001 (vs. control or MOCK). PANC-V1, PANC-1 cell line overexpressing COUP-TFII_V1; PANC-V2, PANC-1 cell line overexpressing COUP-TFII_V2; MOCK, PANC-1 cell line resistant to G418; TF, transcription factor; SFIF, serum-free medium, CONT, PANC-V1 or PANC-V2 not treated with LiCl; V1, COUP-TFII_V1; V2, COUP-TFII_V2; C, control cells transfected with pcDNA 3.1(+); FAK, focal adhesion kinase; FOXO 3a, forkhead box (FOX)O3a; GSK3, glycogen synthase kinase 3.

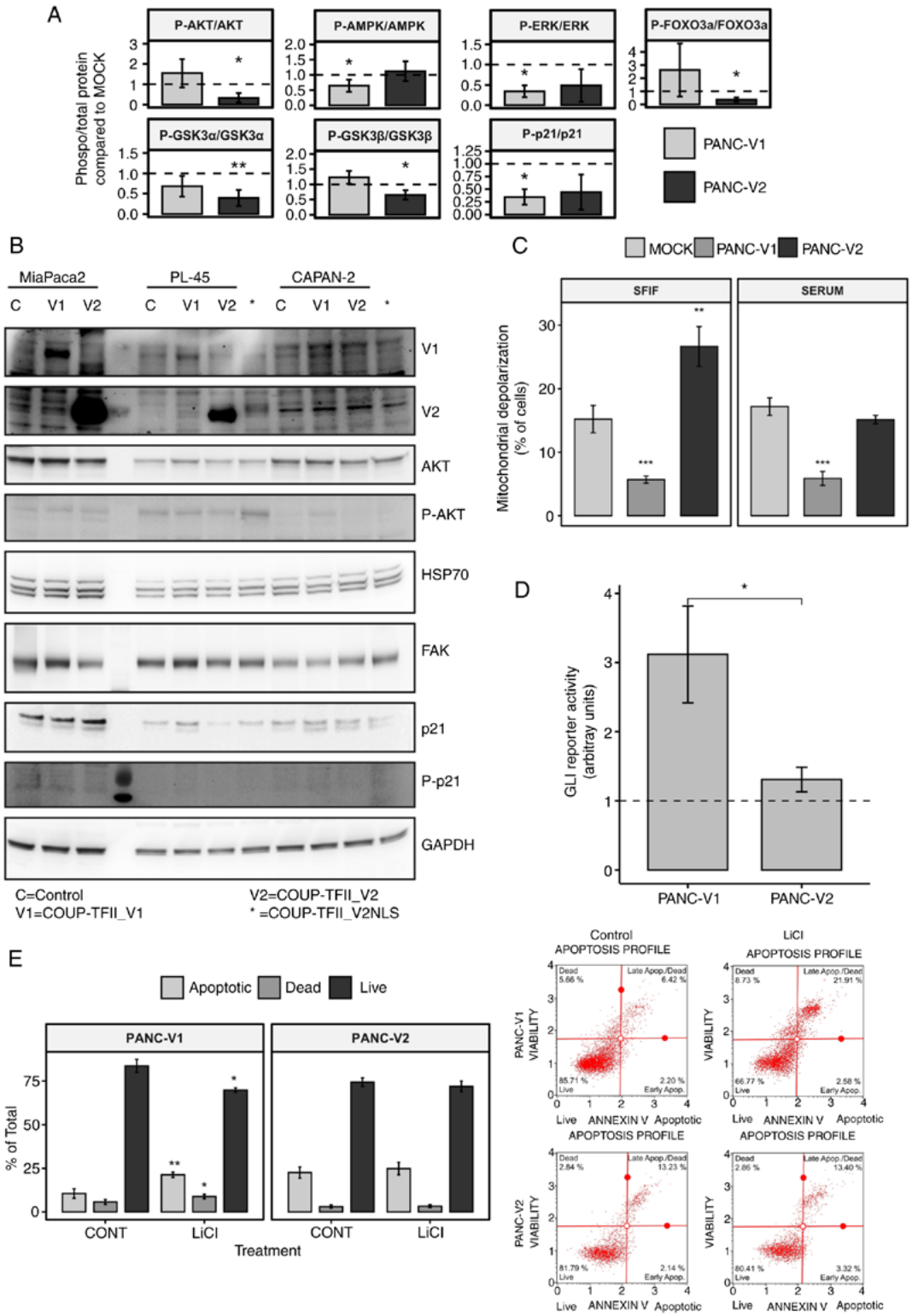

Figure S14. (A) PANC-1 cells transfected with three different fluorescent proteins (first column, Control GFP; second and third columns, COUP-TFII_V2-EGFP; fourth column, COUP-TFII_V2NLS-EGFP (original magnification, x100). (B) Vimentin and GAPDH expression in MiaPaca2 cells transfected for 48 h with COUP-TFII_V2 or COUP-TFII_V2NLS. (C) Cellular motilities of PANC-1 (same data as in Fig. 3H plus data obtained from PANC-1 cells transfected with COUP-TFII_V2NLS-EGFP). Gray-filled circles mark the position of outliers. (D) Cellular dimension of PANC-1 clones (same data as in Fig. 5C plus PANC-V2NLS). Gray-filled dots mark the position of outliers. (E) β-gal staining for senescence in PANC-V2NLS cells compared with other PANC-1 clones. Positive cells are stained blue (original magnification, x100). Values are expressed as mean ± standard deviation. *P<0.05; **P<0.01; ***P<0.001. ns, not significant; V2NLS, V2-nuclear localization signal; EGFP, enhanced green fluorescence protein; TF, transcription factor. COUP-TFII_V2NLS, PANC-1 clone overexpressing COUP-TFII_V2NLS.

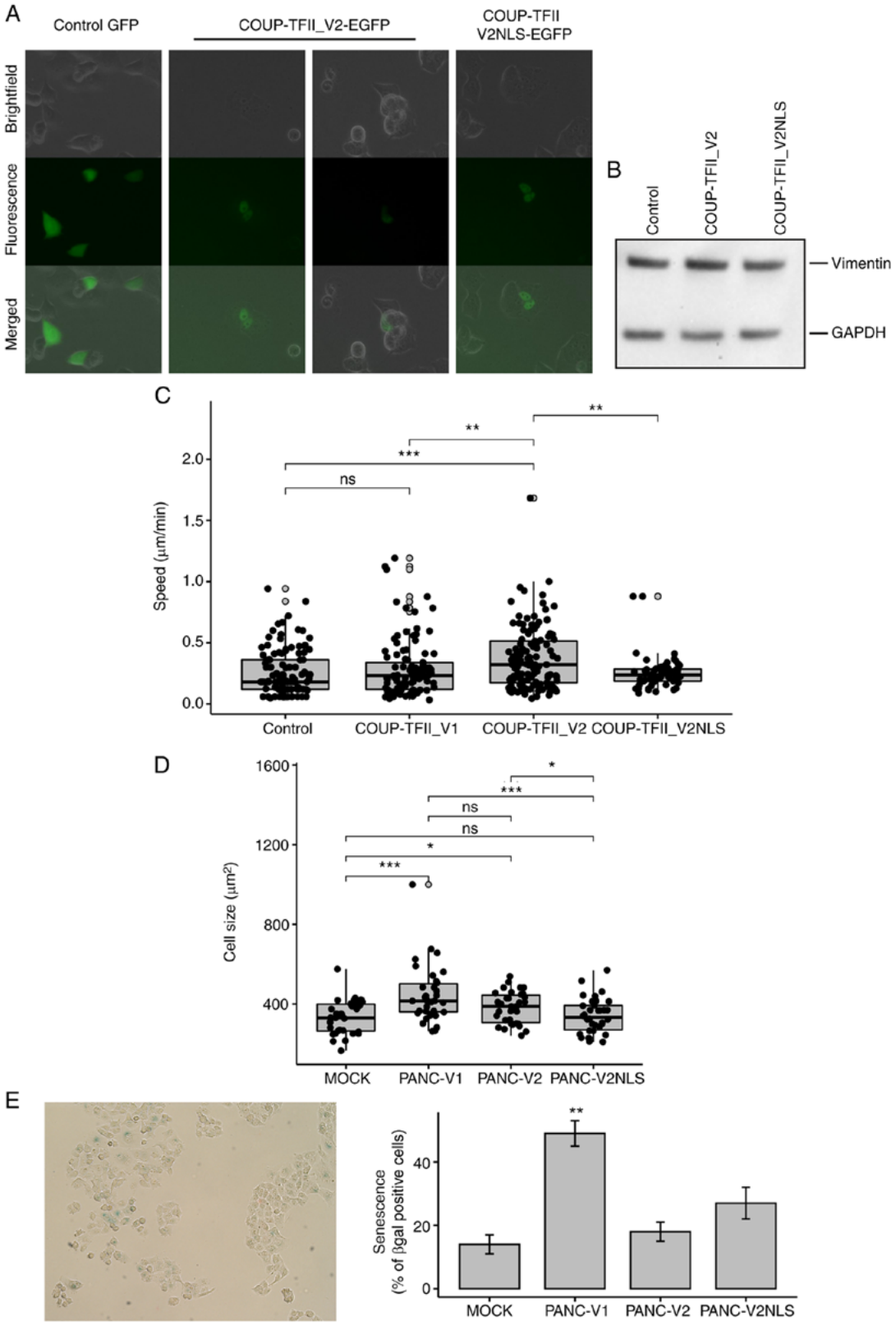

Figure S15. Network of Gene Ontology terms from ClueGO analysis of PANC-V2 cells compared to MOCK. Magnification of Fig. 6A.