

S2 Fig. The number of glycosomes is not affected by the *FBPase* gene knockout. The number of glycosomes in the parental (WT),  $\Delta fbpase$  and  $\Delta fbpase$ /*FBPase* cells grown in glucose-rich and glucose-free conditions was estimated by immunofluorescence using an immune serum against aldolase, a know glycosomal glycolytic enzyme. All cell lines were fixed with 2% formaldehyde in PBS, permeabilized with 0.2% Nonidet NP-40 and spread on poly-L-lysine coated slides. After incubation for 30 min in PBS containing 3% BSA, slides were incubated with rabbit anti-enolase (diluted 1:100) followed by ALEXA Fluor® 488-conjugated goat anti-rabbit secondary antibody (diluted 1:100) (Molecular Probes). Cells were viewed with a Leica DM5500B microscope and images were captured by an ORCA®-R2 camera (Hamamatsu) and Leica MM AF Imaging System software (MetaMorph®). Processing was performed with ImageJ.

