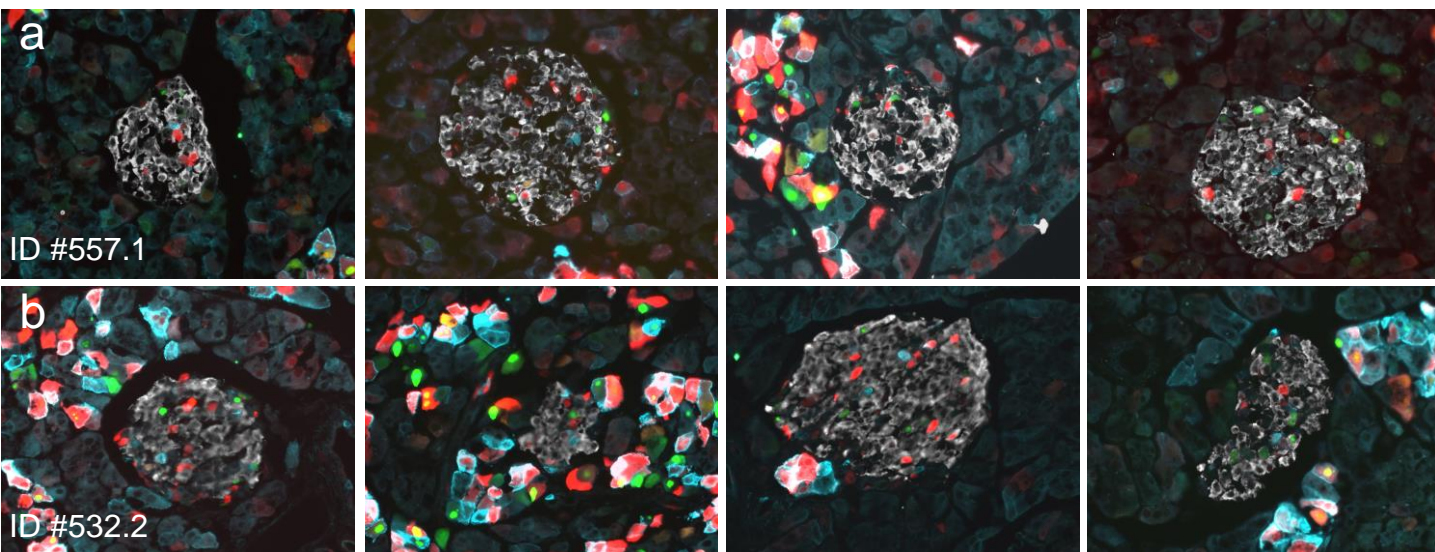
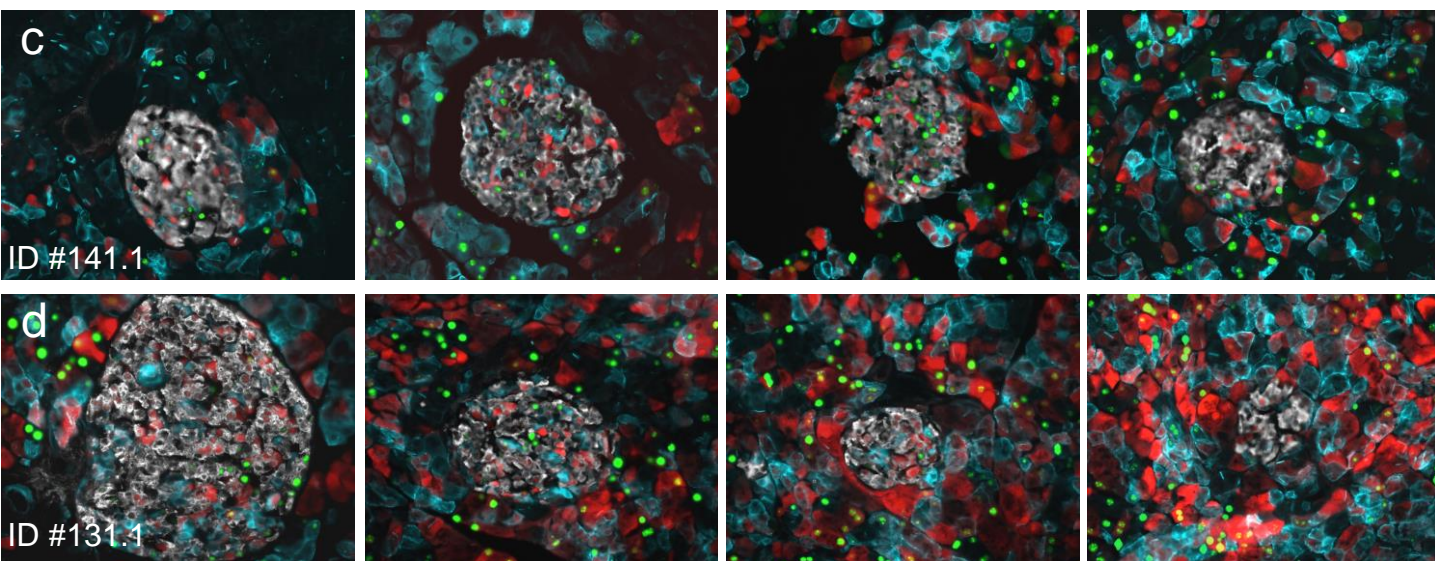


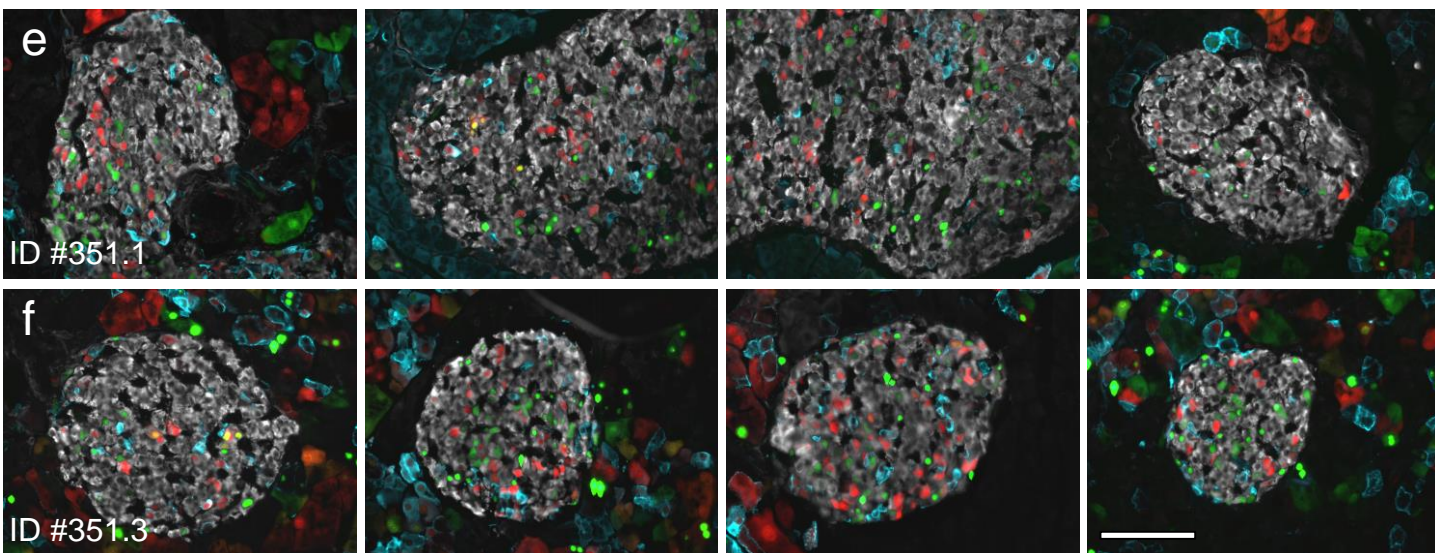
Ubc Cre Rosa Brainbow2.1 LepR^{loxP/loxP} – 5 day washout



Ubc Cre Rosa Brainbow2.1 LepR^{loxP/loxP} – 1 month washout



Ubc Cre Rosa Brainbow2.1 LepR^{loxP/loxP} – 6 months on a HFD



ESM Fig. 2. Representative images of Brainbow2.1 reporter labelling beta cells at various time points. Tamoxifen-induced recombination in *Ubc-Cre^{ERT2} Rosa26^(CAG-Brainbow2.1) LepR^{loxP/loxP}* mice was performed and pancreata were harvested (a-b) on day 5, the last day of tamoxifen treatment, after (c-d) 1 month washout, and (e-f) 6 months washout on a high fat diet (HFD). Four representative images are shown per mouse, from two mice per cohort with their respective animal ID # indicated.