



**Supplementary Figure 11.** A schematic diagram describing the criteria used to identify  $\text{GILZ}^{\text{low}}$  and  $\text{GILZ}^{\text{high}}$  expressing cells: ImageJ was used to quantify the fluorescence intensity of each cell analysed. Values below 100 identified  $\text{GILZ}^{\text{low}}$  cells, whereas values above 100 identified  $\text{GILZ}^{\text{high}}$  cells.  $\text{GILZ}^{\text{low}}$  cells expressed only 5HT, whereas  $\text{GILZ}^{\text{high}}$  cells expressed only GLP-1.