Off target effects

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2023-03-10

Purpose

To answer the question, "What are the off-target effects of the CRISPR editing?"

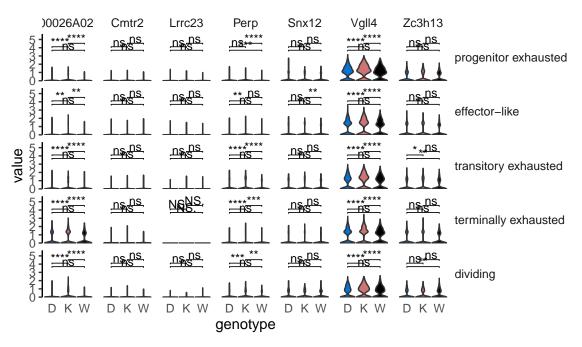
Set up

To start, read in the Seurat object.

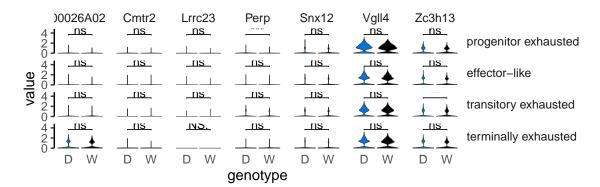
```
readRDS(here(
    "scRNAseq",
    "data",
    "processed_data_objects",
    "00_seurat_workflow.so.rds"
))
```

Final Analysis

```
gene_expr_tidy %>%
  ggplot() +
  aes(genotype, value, fill = genotype) +
  geom_violin(scale = "width") +
  facet_grid(cluster_ids~name) +
  remove_x_spine() +
  theme(strip.background = element_blank(),
```



```
gene_expr_tidy %>%
  filter(genotype != "K") %>%
  filter(cluster_ids != "dividing") %>%
  ggplot() +
  aes(genotype, value, fill = genotype) +
  geom_violin(scale = "width", size = 0.2) +
  facet_grid(cluster_ids~name) +
  remove_x_spine() +
  theme(
    strip.background = element_blank(),
    legend.position = "none",
    strip.text.y = element_text(angle = 0, hjust = 0)
  ) +
  scale_fill_manual(values = palette_genotype) +
  scale_y_continuous(expand = c(0, 0),
                     limits = \[ \] c(...1[1], ...1[2]*1.3), \]
                     breaks = c(0, 2, 4)) +
  stat_compare_means(comparison = list(c("D", "W")),
                     label = "p.signif",
                     size = 3)
```



->

(EnhDel)") ->

(EnhDel)") ->