

Down Regulated Gene - Feature Importance

High

Feature value

Low

SHAP value (impact on model output)

18mo.2mo.log_ratio.mean.atac

18mo.9mo.contact.log_ratio.median.0-10kb.enhancer_peak

18mo.2mo.contact.log_ratio.count.0-10kb.enhancer_peak

18mo.2mo.contact.log_ratio.min.0-10kb.enhancer_peak

18mo.2mo.contact.log_ratio.max.0-10kb.enhancer_peak

18mo.2mo.contact.log_ratio.median.0-10kb.enhancer_peak

18mo.2mo.contact.log_ratio.mean.0-10kb.enhancer_peak

9mo.2mo.contact.log_ratio.count.0-10kb.enhancer_peak

9mo.2mo.contact.log_ratio.min.0-10kb.enhancer_peak

9mo.2mo.contact.log_ratio.max.0-10kb.enhancer_peak

9mo.2mo.contact.log_ratio.median.0-10kb.enhancer_peak

9mo.2mo.contact.log_ratio.mean.0-10kb.enhancer_peak

18mo.9mo.activity.log_ratio.count.0-10kb.enhancer_peak

18mo.9mo.activity.log_ratio.min.0-10kb.enhancer_peak

18mo.9mo.activity.log_ratio.max.0-10kb.enhancer_peak

18mo.9mo.activity.log_ratio.median.0-10kb.enhancer_peak

18mo.9mo.activity.log_ratio.mean.0-10kb.enhancer_peak

18mo.2mo.activity.log_ratio.count.0-10kb.enhancer_peak

18mo.2mo.activity.log_ratio.min.0-10kb.enhancer_peak

Sum of 188 other features

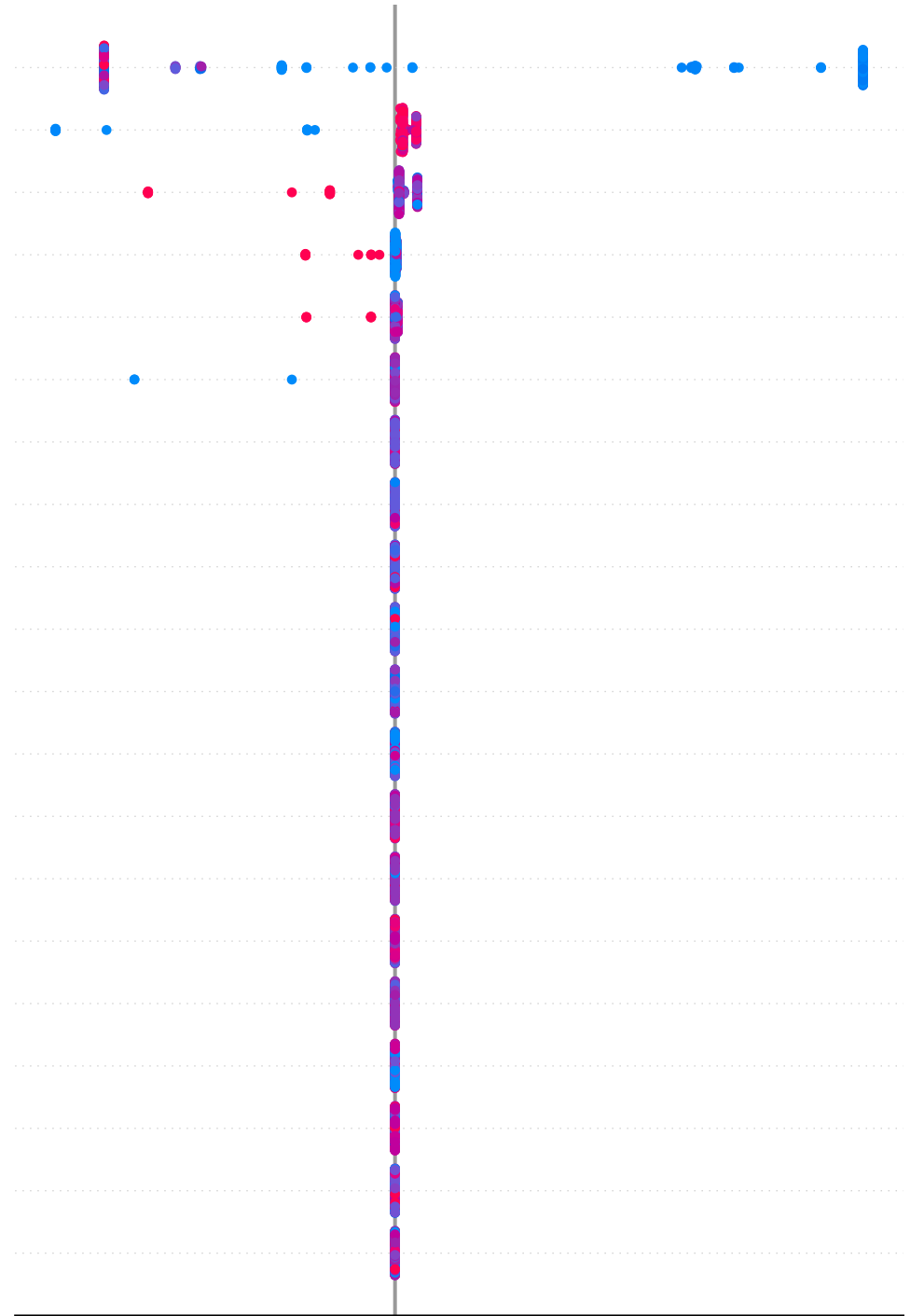
Non-Age Regulated Gene - Feature Importance

High

Feature value

Low

- gene_length.meta
- 18mo.2mo.activity.log_ratio.min.0-10kb.enhancer_peak
- 9mo.2mo.log_ratio.mean.atac
- 9mo.2mo.activity.log_ratio.count.20kb-1Mb.enhancer_DMR
- 18mo.2mo.log_ratio.mean.atac
- 18mo.9mo.activity.log_ratio.mean.0-10kb.enhancer_peak
- 18mo.9mo.contact.log_ratio.mean.0-10kb.enhancer_peak
- 18mo.2mo.contact.log_ratio.min.0-10kb.enhancer_peak
- 18mo.2mo.contact.log_ratio.max.0-10kb.enhancer_peak
- 18mo.2mo.contact.log_ratio.median.0-10kb.enhancer_peak
- 18mo.2mo.contact.log_ratio.mean.0-10kb.enhancer_peak
- 9mo.2mo.contact.log_ratio.count.0-10kb.enhancer_peak
- 9mo.2mo.contact.log_ratio.min.0-10kb.enhancer_peak
- 9mo.2mo.contact.log_ratio.max.0-10kb.enhancer_peak
- 9mo.2mo.contact.log_ratio.median.0-10kb.enhancer_peak
- 9mo.2mo.contact.log_ratio.mean.0-10kb.enhancer_peak
- 18mo.9mo.activity.log_ratio.count.0-10kb.enhancer_peak
- 18mo.9mo.activity.log_ratio.min.0-10kb.enhancer_peak
- 18mo.9mo.activity.log_ratio.max.0-10kb.enhancer_peak
- Sum of 188 other features



SHAP value (impact on model output)

Up Regulated Gene - Feature Importance

