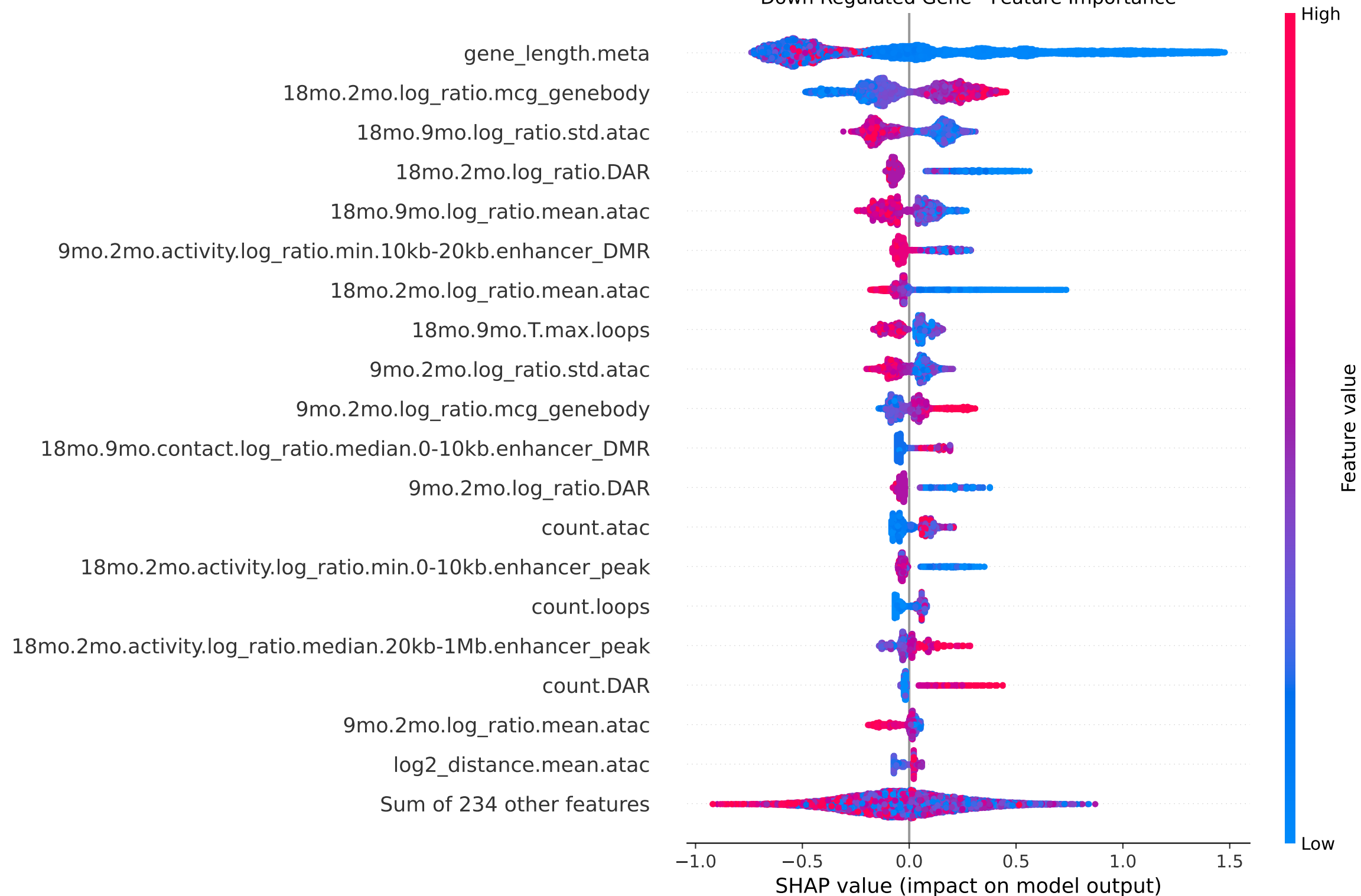


Down Regulated Gene - Feature Importance



Non-Age Regulated Gene - Feature Importance

High

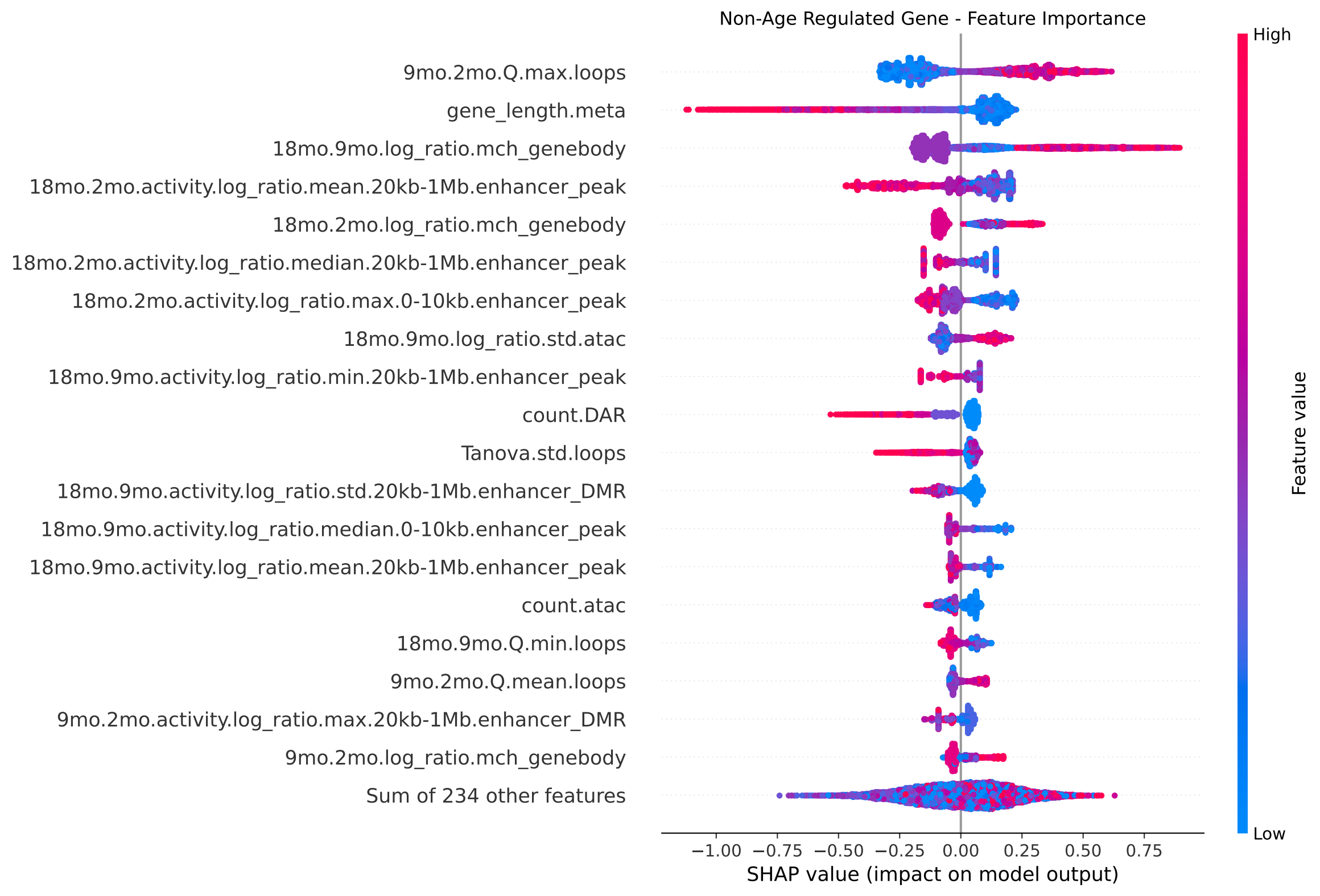
Feature value

Low

9mo.2mo.Q.max.loops
gene_length.meta
18mo.9mo.log_ratio.mch_genebody
18mo.2mo.activity.log_ratio.mean.20kb-1Mb.enhancer_peak
18mo.2mo.log_ratio.mch_genebody
18mo.2mo.activity.log_ratio.median.20kb-1Mb.enhancer_peak
18mo.2mo.activity.log_ratio.max.0-10kb.enhancer_peak
18mo.9mo.log_ratio.std.atac
18mo.9mo.activity.log_ratio.min.20kb-1Mb.enhancer_peak
count.DAR
Tanova.std.loops
18mo.9mo.activity.log_ratio.std.20kb-1Mb.enhancer_DMR
18mo.9mo.activity.log_ratio.median.0-10kb.enhancer_peak
18mo.9mo.activity.log_ratio.mean.20kb-1Mb.enhancer_peak
count.atac
18mo.9mo.Q.min.loops
9mo.2mo.Q.mean.loops
9mo.2mo.activity.log_ratio.max.20kb-1Mb.enhancer_DMR
9mo.2mo.log_ratio.mch_genebody
Sum of 234 other features

-1.00 -0.75 -0.50 -0.25 0.00 0.25 0.50 0.75

SHAP value (impact on model output)



Up Regulated Gene - Feature Importance

