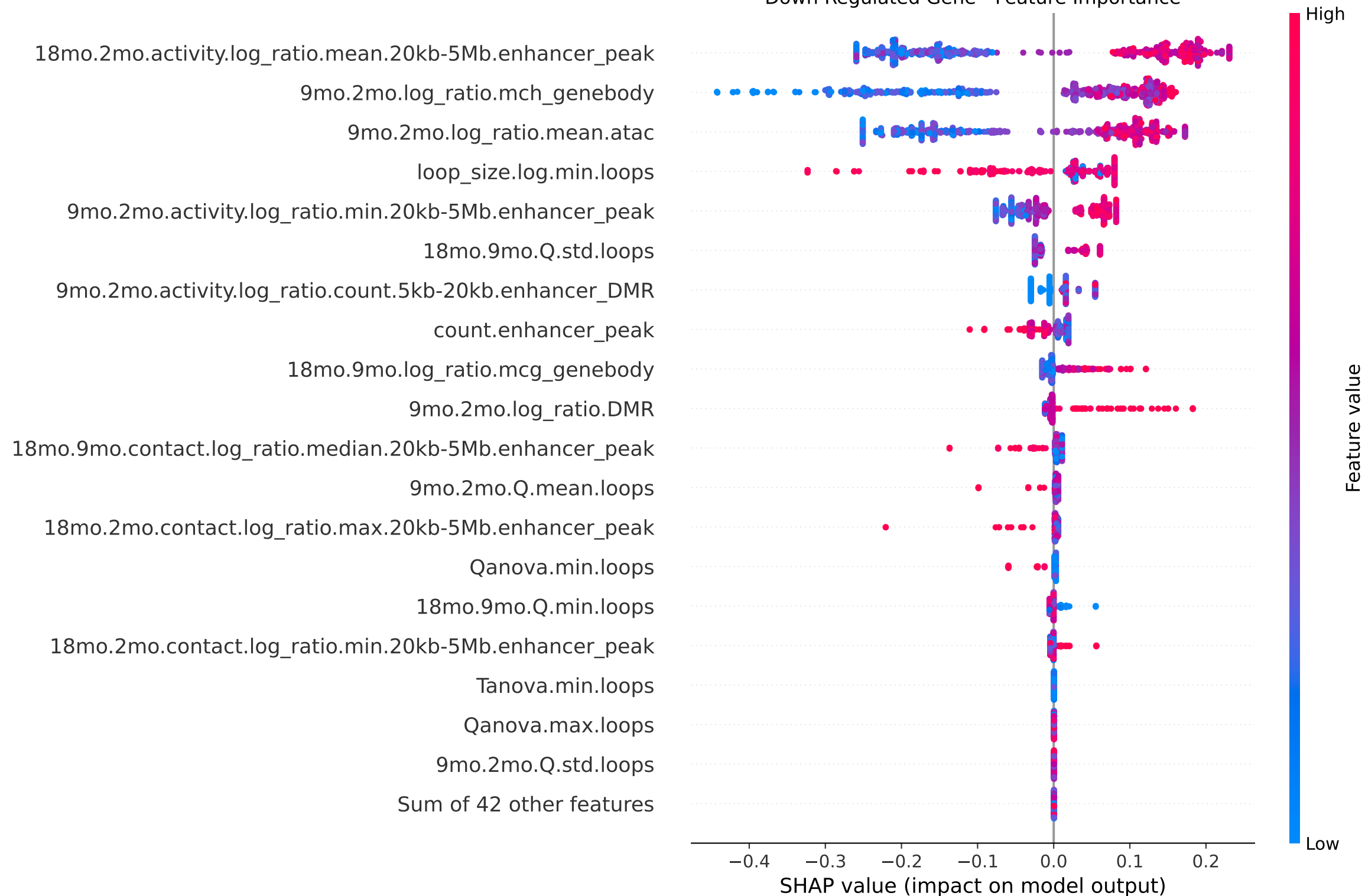


Down Regulated Gene - Feature Importance



Non-Age Regulated Gene - Feature Importance

High

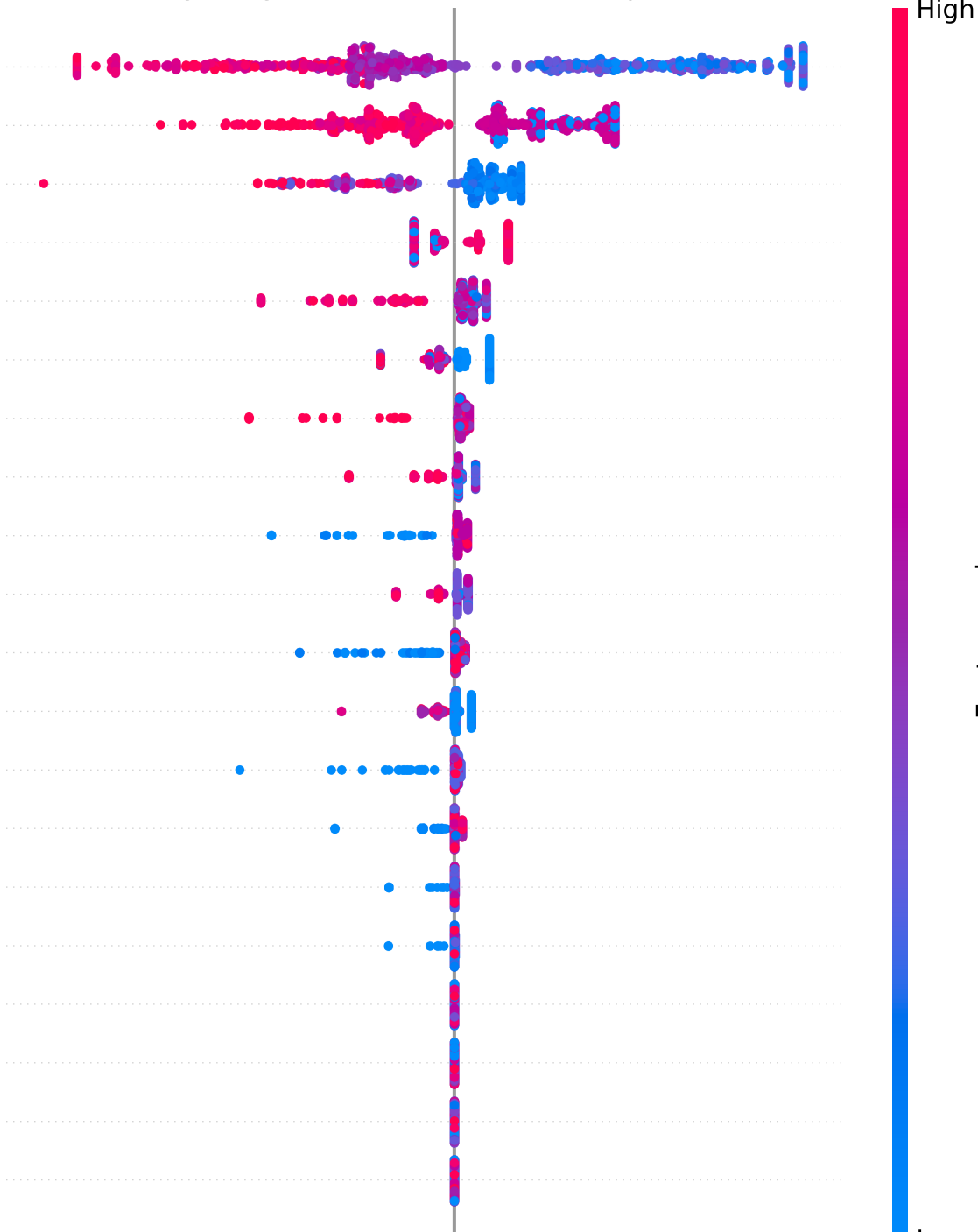
Feature value

Low

9mo.2mo.log_ratio.mch_genebody
log2_distance.max.atac
gene_length.meta
loop_size.log.min.loops
9mo.2mo.Q.std.loops
rel_pos.DAR
18mo.2mo.log_ratio.min.atac
18mo.9mo.Q.std.loops
18mo.9mo.log_ratio.DMR
9mo.2mo.log_ratio.DAR
9mo.2mo.Q.min.loops
count.DAR
18mo.2mo.log_ratio.DAR
18mo.2mo.Q.min.loops
18mo.2mo.Q.mean.loops
18mo.9mo.log_ratio.mcg_genebody
Tanova.max.loops
Qanova.max.loops
Qanova.median.loops
Sum of 42 other features

-0.3 -0.2 -0.1 0.0 0.1 0.2 0.3

SHAP value (impact on model output)



Up Regulated Gene - Feature Importance

