

Figure S4: Model performance broken down by level of differential expression. For each cell line (GM12878, K562, and HUVEC), genes are stratified into subgroups binned by their log-2 fold change : $(-\infty, -3)$, [-3, -2), [-2, -1), [-1, 0), [0, 1), [1, 2), [2, 3), $[3, \infty)$. GC-MERGE consistently outperforms both the MLP and shuffled baselines, but the performance improvement is greater for genes with higher differential expression.