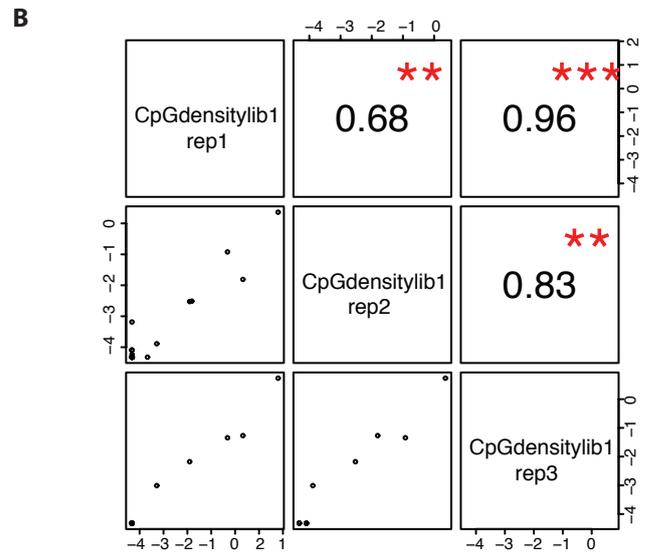
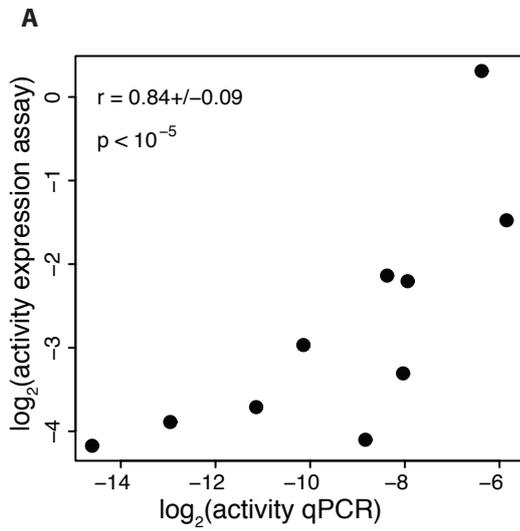
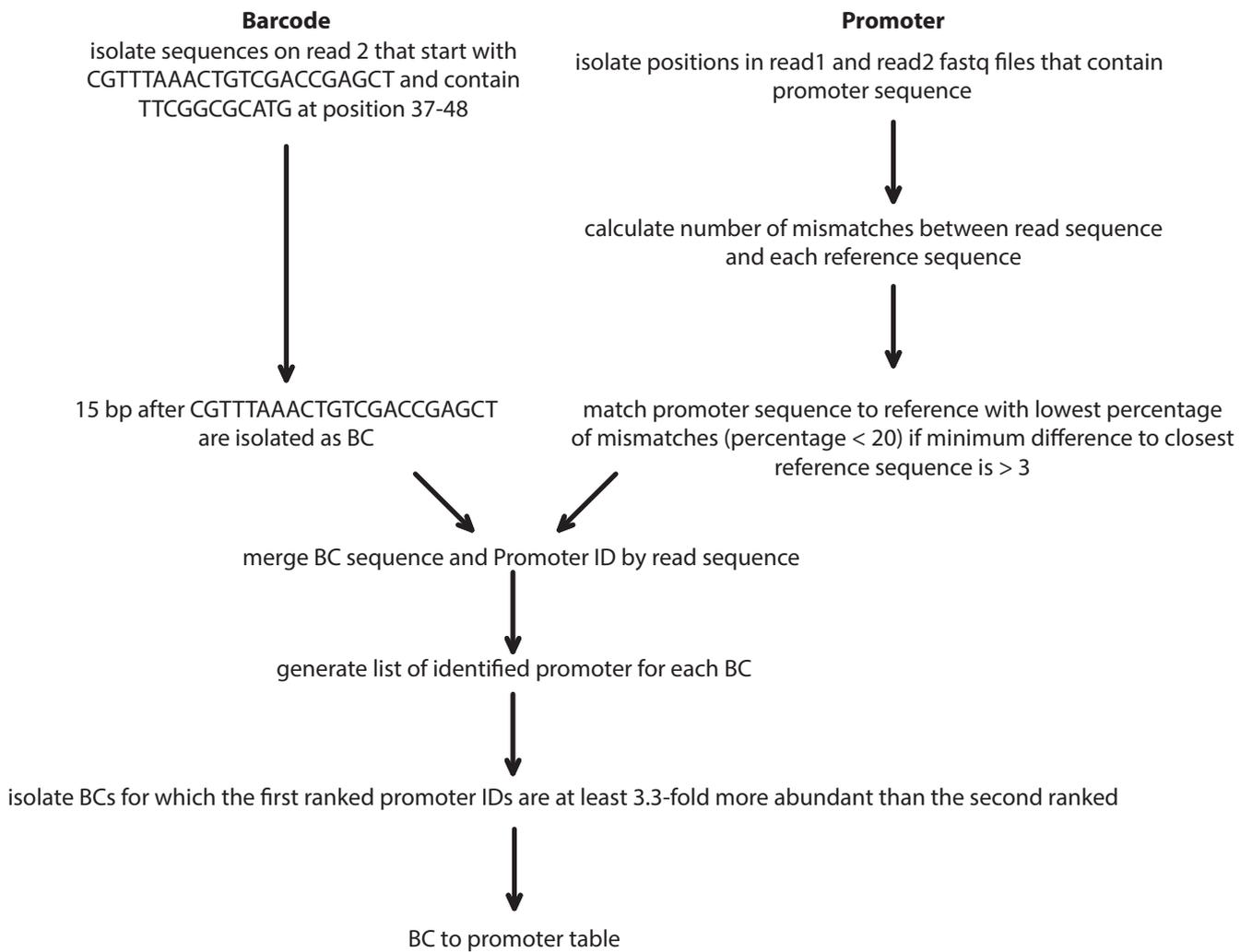


Supplemental Figure 1



C



Supplemental Figure 1:

(A) Scatterplot displaying activity of promoter mutants measured by RT-qPCR in single clones with primers targeting the GFP transgene versus activity in the reporter assay. The average Spearman's correlation coefficient of all three replicates of the reporter assay (\pm one standard deviation) and its significance is indicated in the upper left part of the scatterplot. P-values were determined based on an approximate permutation test (see Methods). The correlation coefficient indicates a good agreement between both measures.

(B) Pairwise scatterplot displaying Spearman's correlation of replicates of libraries used in Figure 1. Stars indicate significance (* ≤ 0.05 , ** ≤ 0.01 , *** ≤ 0.001), calculated using an approximate permutation test (see Methods).

(C) Workflow to match barcode and promoter sequences.