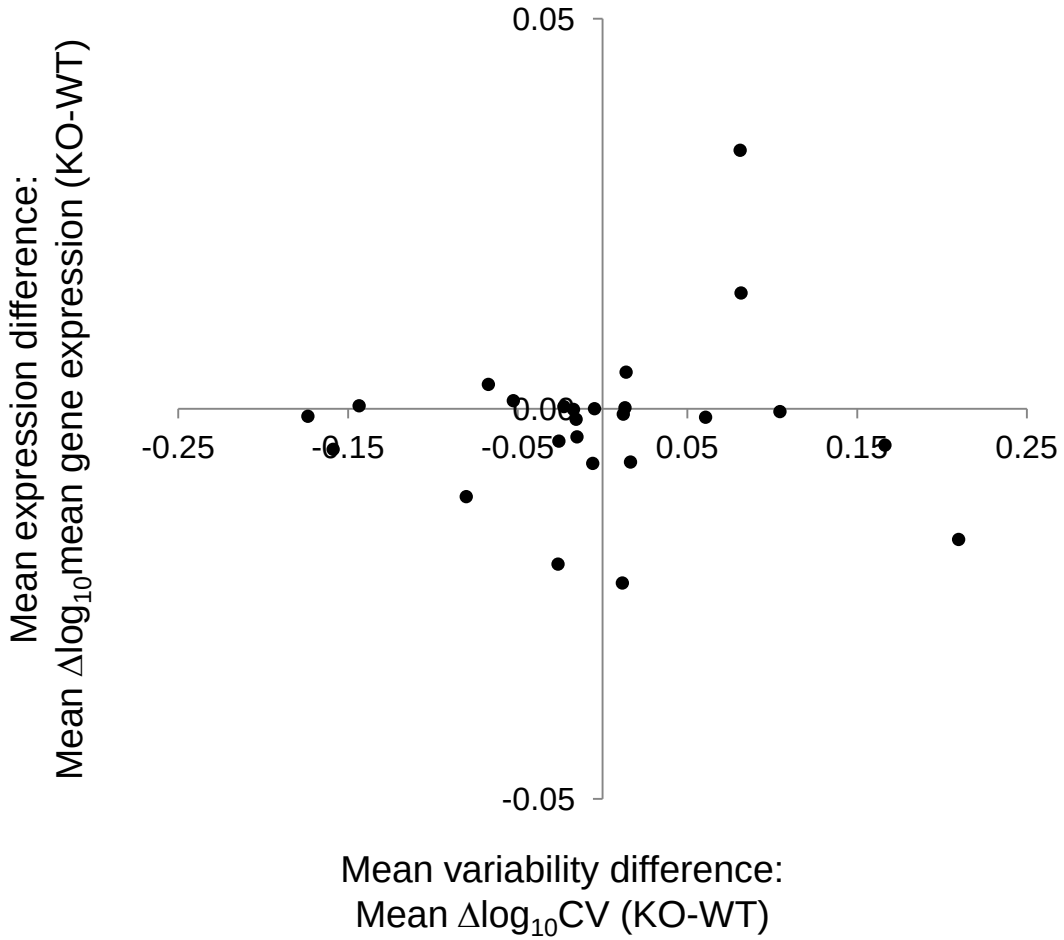

Figure S3. Relationship across the twenty-five analyzed datasets between the mean expression difference between knockouts and wild-types and mean variability difference. The mean expression difference for each dataset was calculated as the mean across probe sets of the difference between $\log_{10}$ mean expression in knockout and $\log_{10}$ mean expression in wild-type (termed here $\Delta\log_{10}$mean gene expression (KO-WT)), filtering out probe sets falling below a specified expression threshold. Mean variability differences (termed here $\Delta\log_{10}$CV (KO-WT)) were taken from the data in Figure 2 and were calculated in an analogous manner. No significant relationship was noted between the expression and variability differences (Pearson's correlation coefficient = 0.063, p = 0.766; Spearman's correlation coefficient = 0.033, p = 0.87). KO, knockout; WT, wild-type; CV, coefficient of variation. Note the different scales of the two axes. Please refer to the text for details.