

Figure S5

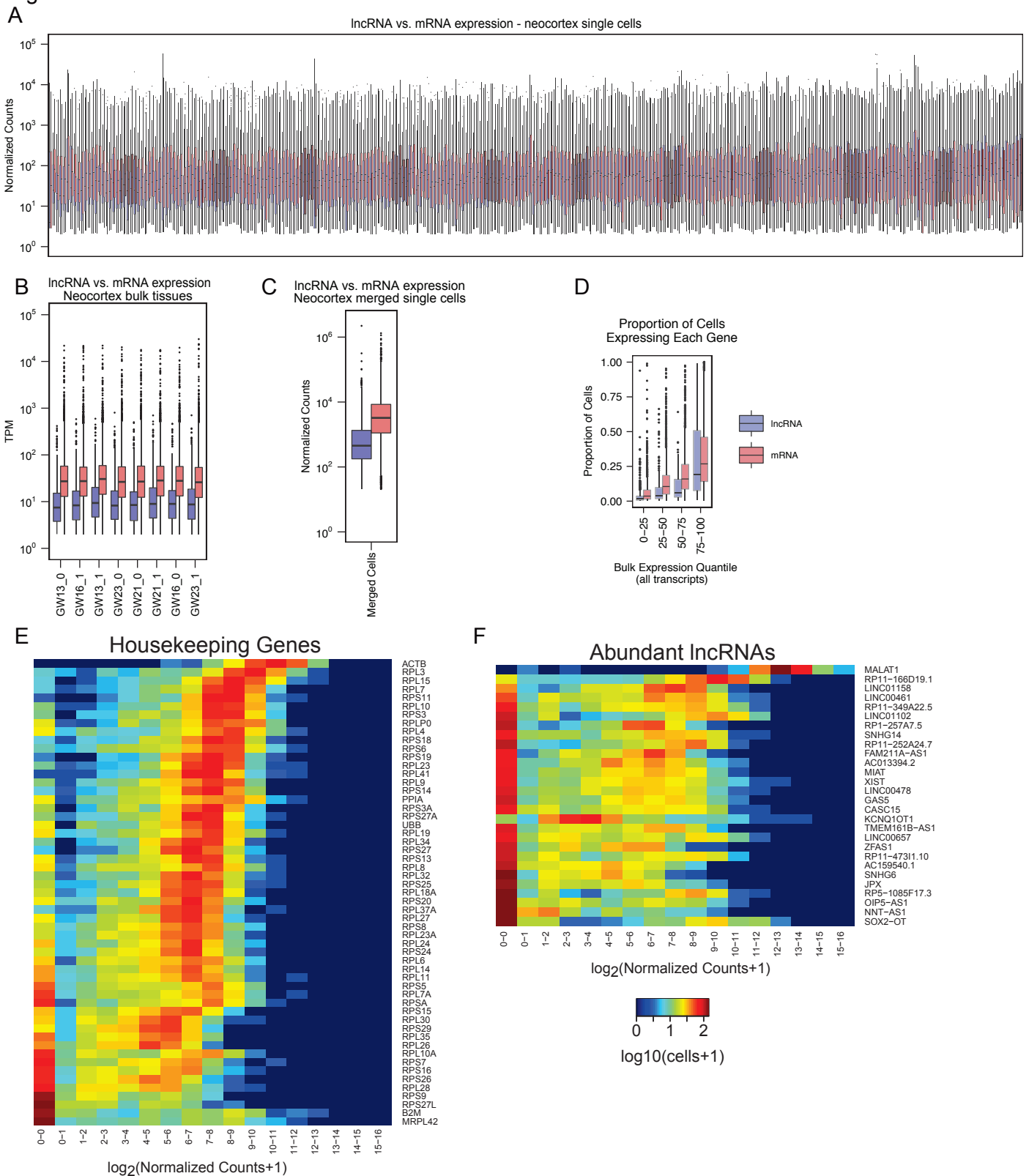


Figure S5. Expression of lncRNAs and mRNAs in single cells and whole tissues

A) Distributions of non-zero lncRNA (blue) and mRNA (red) expression in 276 single cells from neocortex. The median lncRNA expression and the median mRNA expression for each cell was compared as a ratio and summarized in Figure 3B. B) Distributions of non-zero lncRNA (blue) and mRNA (red) expression in 8 bulk tissue RNA-seq samples using the same set of 1400 lncRNAs and 10929 mRNAs as in A). C) Distributions of non-zero lncRNA (blue) and mRNA (red) expression in in silico merged neocortex single cells. D) Proportion of single neocortex cells that expressed each lncRNA (blue) and mRNA (red), binned by their expression levels in bulk tissues. E) Distributions of housekeeping gene and lncRNA (F) expression levels in neocortex single cells, binned by $\log_2(\text{Normalized Counts} + 1)$. Colors represent number of cells in each bin. Abundant lncRNAs were ranked by their median expression levels across 276 neocortex single cells.