Figure 2-figure supplement 1.

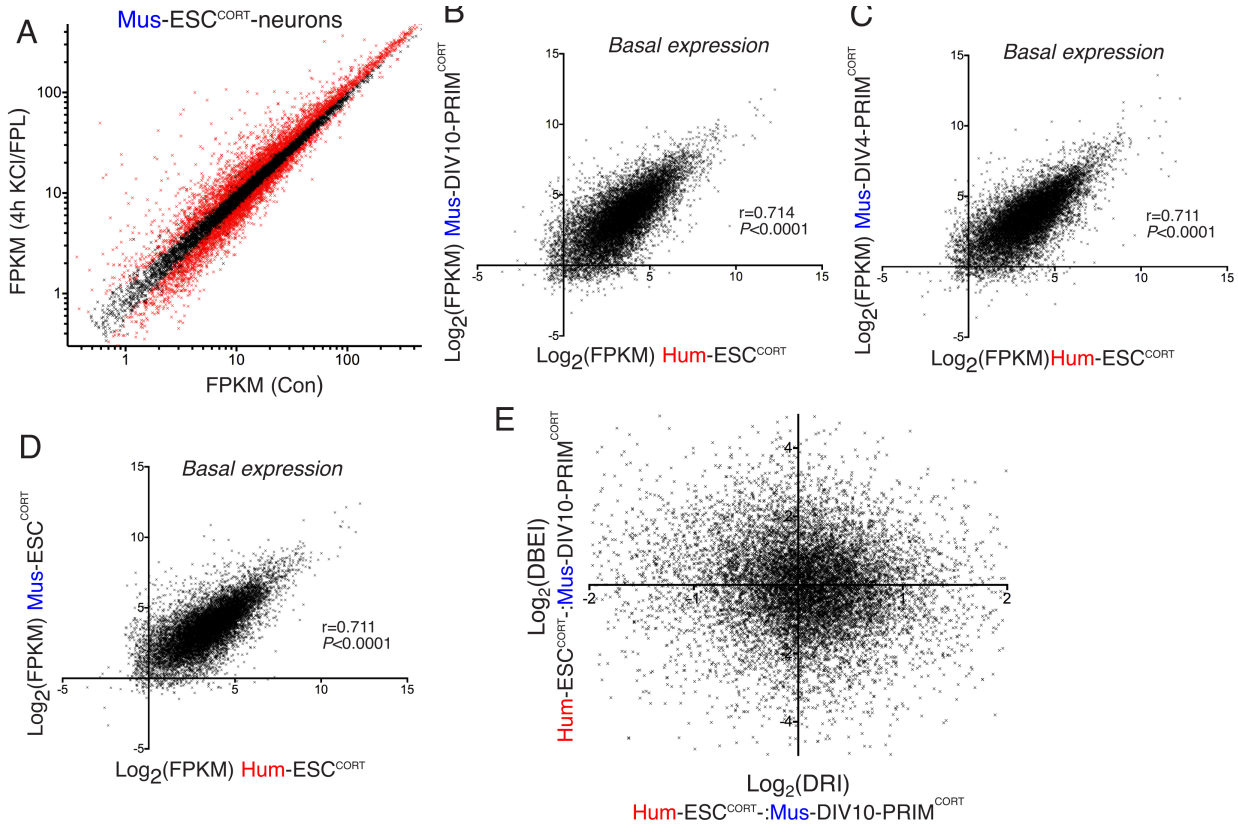

Figure 2-figure supplement 1. A) Normalised RNA-seq read density (FPKM) mapping to each gene in RNA extracted from control vs. KCl/FPL-treated Mus-ESC^{CORT}-neurons is shown (n=3 independent biological replicates). Genes whose expression was significantly altered by KCl/FPL treatment (Benjamini-Hochberg-adjusted p-value <0.05, calculated within DESeq2) are highlighted in red. B-D) Correlation of basal gene expression (Log_2(FPKM)) across 11,302 ortholog pairs in Hum-ESC^{CORT}-neurons vs. DIV4 Mus-PRIM^{CORT}-neurons (B), DIV4 Mus-PRIM^{CORT}-neurons (C) and Mus-ESC^{CORT}-neurons (D). **E)** For each of the 11,302 orthologous pairs, the Log_2(DRI) Hum-ESC^{CORT}-vs. DIV10 Mus-PRIM^{CORT}-neurons (i.e. DRIs from Figure 1-figure supplement 1e) were plotted against the Log_2(DBEI), where DBI (differential basal expression index) is the ratio of basal expression in Hum-ESC^{CORT}-vs. DIV10 Mus-PRIM^{CORT}-neurons.