

A



Gene expression



B



E



C



F



Supplemental Figure S12 – Principal component analyses show stronger signal for neural, muscle and pluripotent samples in AS measurements compared to gene expression

Plot of principal components 1 and 2 from PCA provide a clear separation of neural (blue), muscle (green) and pluripotent (red) samples in human (A), mouse (B) and chicken (C) when using AS measurements for all AS types than gene expression measurements in the same species (D-F). Samples names starting with CL indicate cell lines. Labels for most tissue samples are not shown for clarity. For AS, only AS events with read coverage of VLOW or higher for at least 40 samples and a standard deviation of PSIs higher than 20 were used; Samples for which more than 50% of AS events had null PSI values (due to lack of read coverage) were excluded. For gene expression, only genes with a cRPKM ≥ 5 and a total of 50 raw reads in at least one sample, and a CV ≥ 3 were considered.