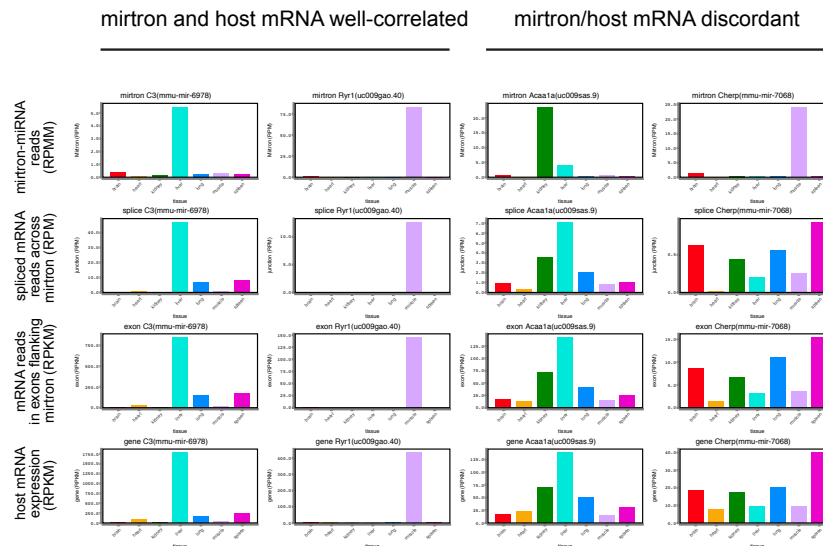
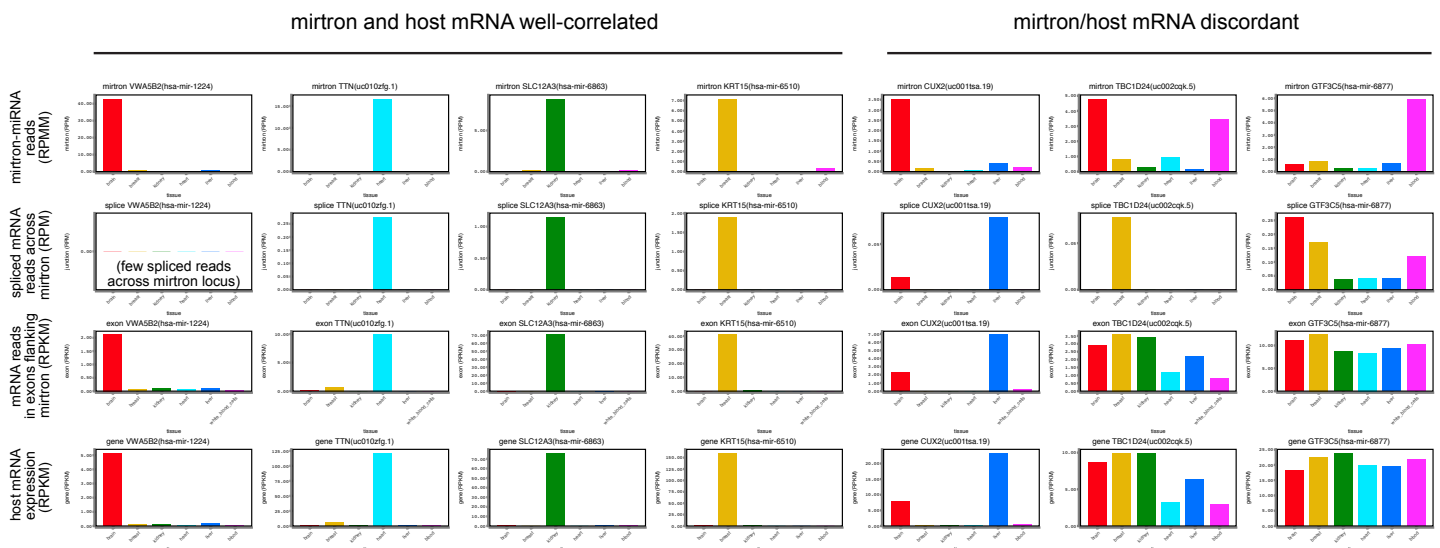


A Examples of mouse mirtron: host mRNA correlation across tissues



B Examples of human mirtron: host mRNA correlation across tissues



Examples of mirtron: host mRNA correlation across tissues. Four rows of data are shown for each locus: (1) mirtron- miRNA reads (in reads per million mapped miRNA reads, RPMM), (2) spliced mRNA-seq reads that directly traverse the mirtron-containing intron (in reads per million mapped, RPM), (3) mRNA-seq reads in the two flanking exons upstream and downstream of the mirtron-containing intron (in reads per kilobase of transcript per million mapped reads, RPKM), and (4) mRNA-seq reads in the entire mirtron host gene model (in RPKM). (A) Mouse data. (B) Human data. For both species, examples of well-correlated as well as discordant mirtron and host mRNA expression patterns are shown. Note that the available human mRNA-seq data were nearly an order of magnitude smaller than the those in mouse; thus, the measurements of spliced reads across mirtron-containing introns are adversely affected in some cases. While the overall patterns are similar amongst most of the mRNA measurements, no such spliced reads were recovered for *WASB2(hsa-mir-1224)*, indicating undersampling. As well, the pattern of spliced *TBC1D24(uc002cqk.5)* reads is discordant with other measures of mRNA expression, and could represent an undersampling artifact.