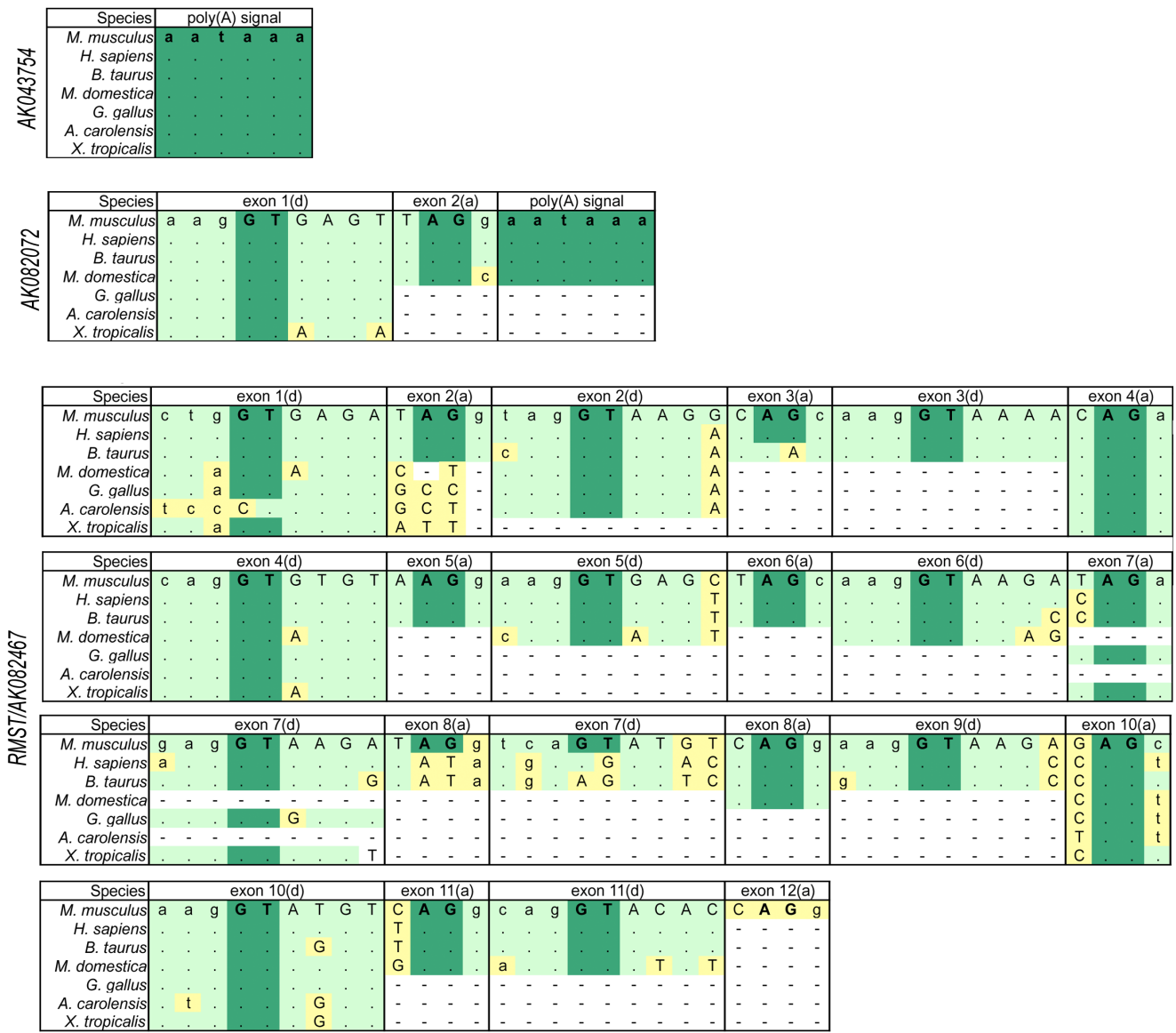
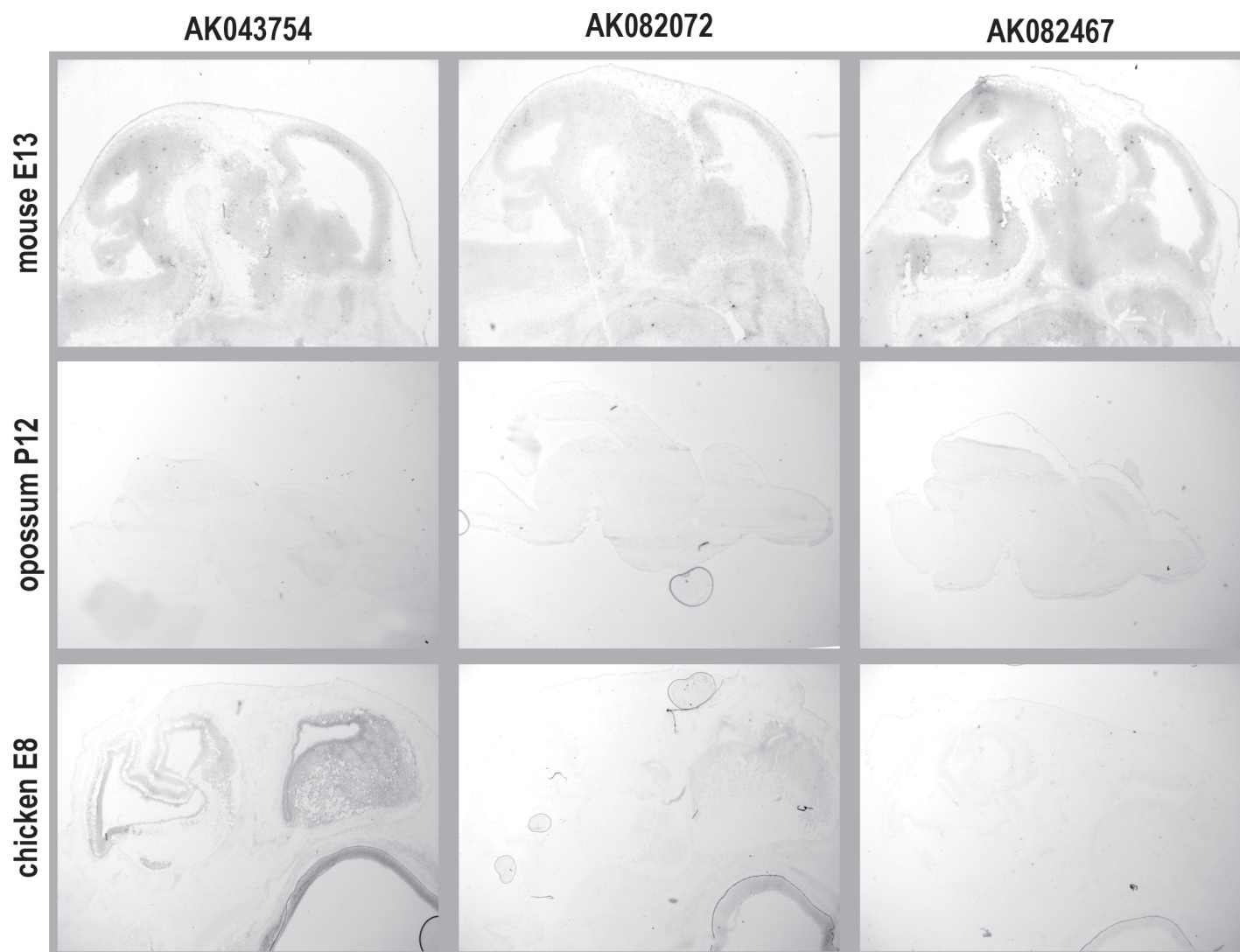




SUPPLEMENTARY FIGURE 1. Splice-site and poly(A)-signal conservation among AK043754, AK082072, and AK082467 orthologs. Selected views of TBA alignment blocks for the three lncRNAs are shown, highlighting common canonical splice sites and poly(A) signals (dark green), conserved flanking sequence (light green), and substitutions (yellow). Uppercase and lowercase letter reflect nucleotides in annotated mouse lncRNA introns and exons, respectively.



SUPPLEMENTARY FIGURE 2. Sense probe background controls for *in situ* hybridization. Digoxigenin-labelled riboprobes transcribed in the same direction as AK043754, AK082072, and AK082467 were hybridized to sagittal sections of mouse (E13), opossum (P12), and chicken (E8) brains in order to quantify the amount of background hybridization associated with each sequence. These images were used as sense controls when analysing images in **Figures 5-6**.