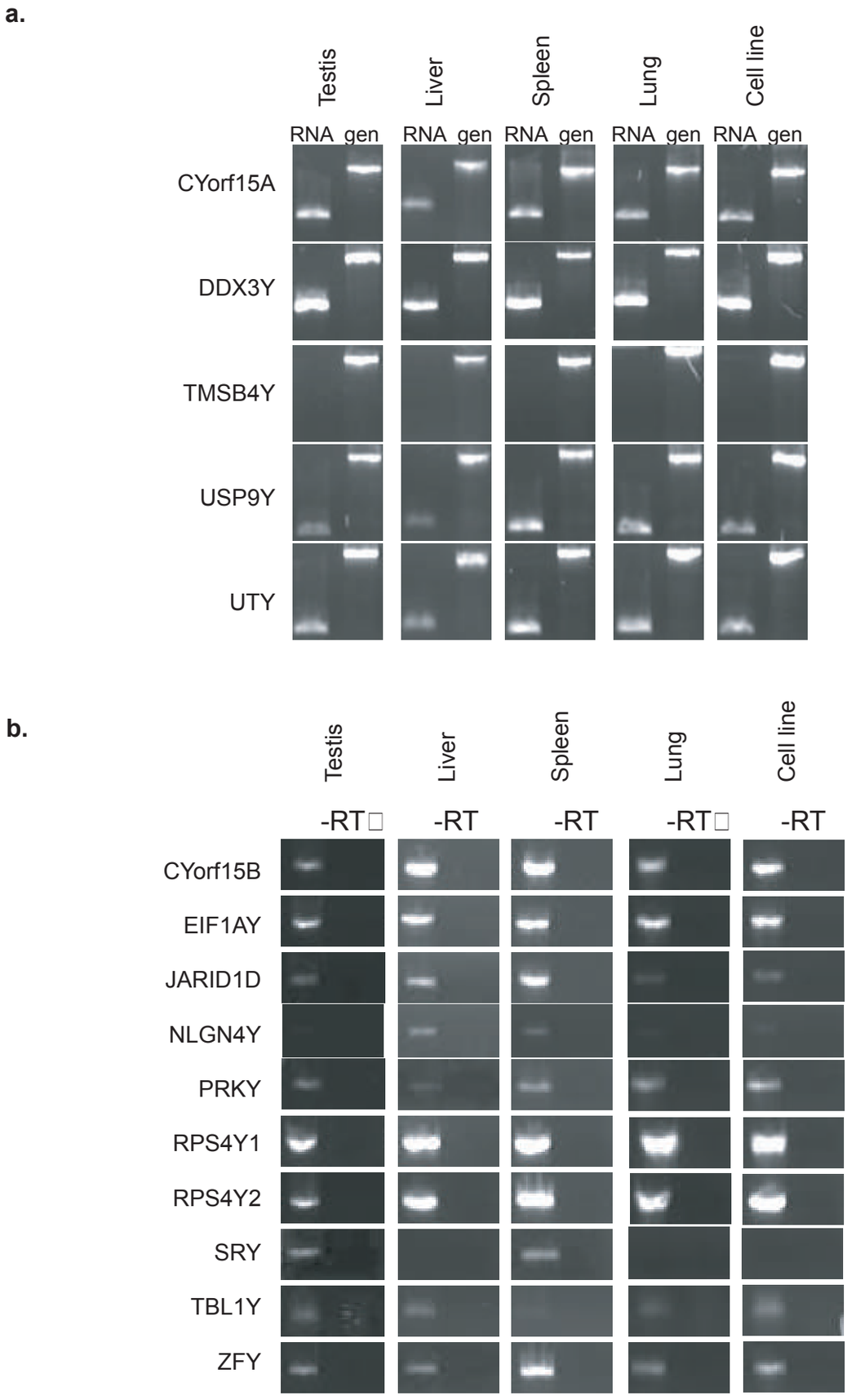
Supplementary Figure 6 RT-PCR analysis of chimpanzee X-degenerate genes



Supplementary Figure 6 RT-PCR analysis of X-degenerate genes. We had the appropriate tissue to test for the transcription of all of the X-degenerate genes, with the exception of *AMELY*, whose expression is limited to the teeth in humans. Intron-spanning primers were used for all genes with the exception of *SRY*, which lacks introns. Two types of negative controls were used in this study. In part a, genomic DNA controls were used (gen). For these reactions, the intron-containing product amplified from the genomic template was small enough in size so that it could be detected on an agarose gel. Therefore, PCR products from cDNA templates were smaller than and readily distinguishable from genomic DNA products, providing evidence for expression and mRNA processing. When the genomic product was too large to be efficiently amplified and detected, –RT controls were used (part b). Primer sequences and product sizes are listed in Supplementary Table 4.