

## **Extended Data Figure 2: Expression of Y-linked genes across tissues and species.**

Within each species, the relative expression of each Y-linked gene is shown as a heat map normalized to the male tissue with the highest level of expression of that gene. Expression was calculated from RNA-seq data as reads per kilobase of transcript per million mapped reads. For each gene and species, tissues are arranged in alphabetical order from left to right: brain, cerebellum, colon, heart, kidney, liver, lung, skeletal muscle, spleen and testis. Most single-copy genes (red) are broadly expressed across male tissues, whereas Y-linked genes in multi-copy families (blue) are predominantly or exclusively expressed in testes.