Extended Data Figure 1: Annotated sequence contigs from the MSY of five species.

All sequence features and BACs drawn to scale. a–e, Marmoset MSY. f–j, Mouse MSY. k–o, Rat MSY. p–t, Bull MSY. u–y, Opossum MSY. a, f, k, p, u, Schematic representation of assembled contigs and sequence classes: X-degenerate (yellow); ampliconic (blue); pseudoautosomal (green); heterochromatic (pink). Gaps shown in white. b, g, l, q, v, Positions of all intact, actively transcribed genes. Plus (+) strand above, minus (−) strand below. c, h, m, r, w, G + C content (%) calculated in a 100-kb sliding window with 1-kb steps. d, i, n, s, x, Alu (red), LINE (green), and endogenous retrovirus (blue) content (%) calculated in a 200-kb sliding window with 1-kb steps. e, j, o, t, y, Sequenced MSY BACs. Each bar represents the size and position of one BAC clone, labelled with the library identifier. e, BAC clones with no prefix are from the CHORI-259 library; BAC clones with “A” prefix are from the MARMAEX (Amplicon Express) library. j, All BAC clones are from the RPCI-24 library. o, BAC clones without prefix are from the RNAEX library; BAC clones with “E” prefix are from the RNECO library (both from Amplicon Express). t, BAC clones without prefix are from the CHORI-240 library; BAC clones with “E” prefix are from the BTDAEX library (both from Amplicon Express). y, BAC clones with no prefix are from the VMRC6 library; BAC clones with “A” prefix are from the MDAEX (Amplicon Express) library.