



**Supplementary Figure 6** Positions of chimpanzee MSY genes. MSY sequence is shown schematically at top. X-degenerate sequence is shown in light yellow. Palindromes P6, P7, and P8 are shown in light blue. All other amplicons are represented by various color-coded blocks. Single copy, non-X-degenerate sequence is shown in gray. Heterochromatic sequence is shown in pink and white stripes. Single-copy X-degenerate genes are shown in the top row. Ampliconic gene families are shown below.