

Supplementary Figures

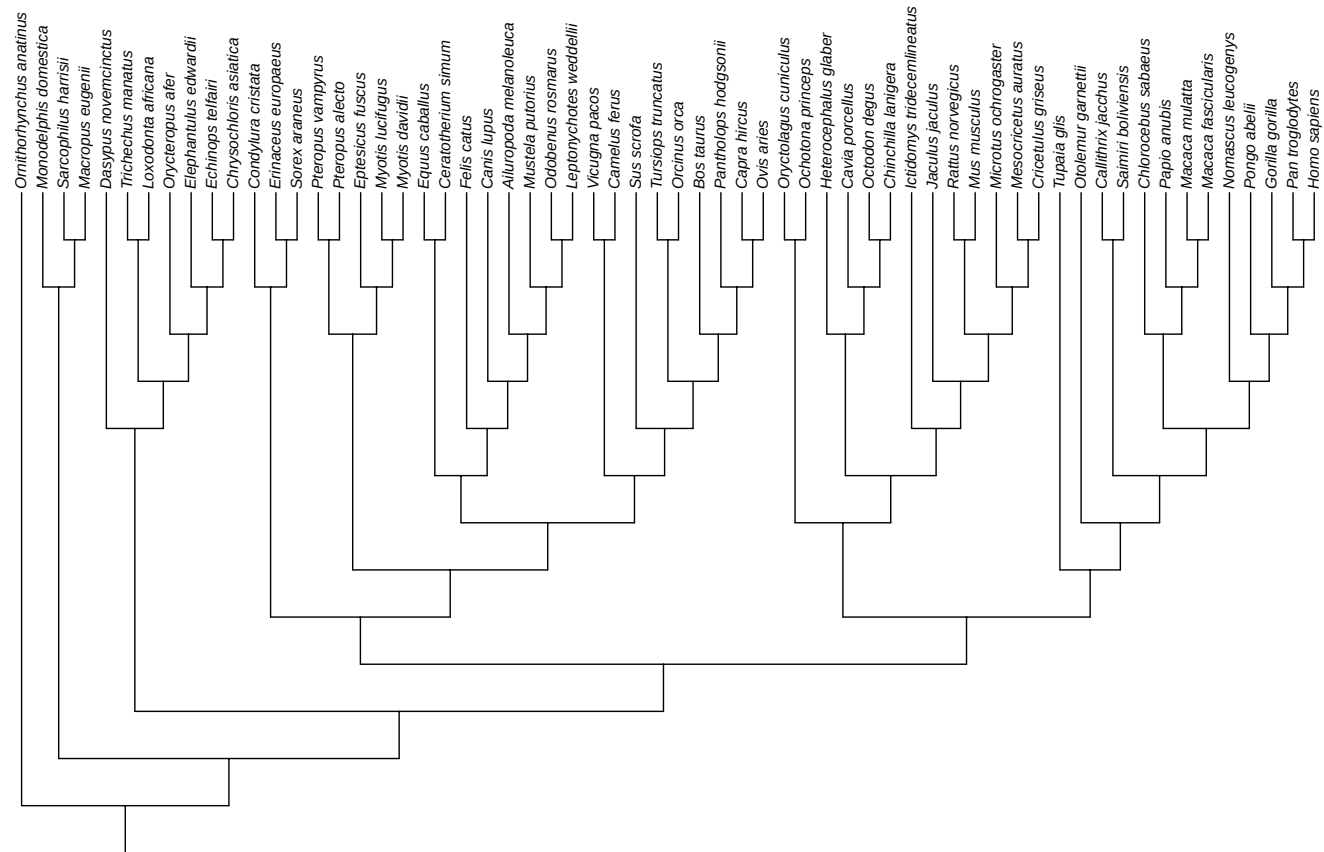


Figure S1. The expanded 62-mammal species tree.

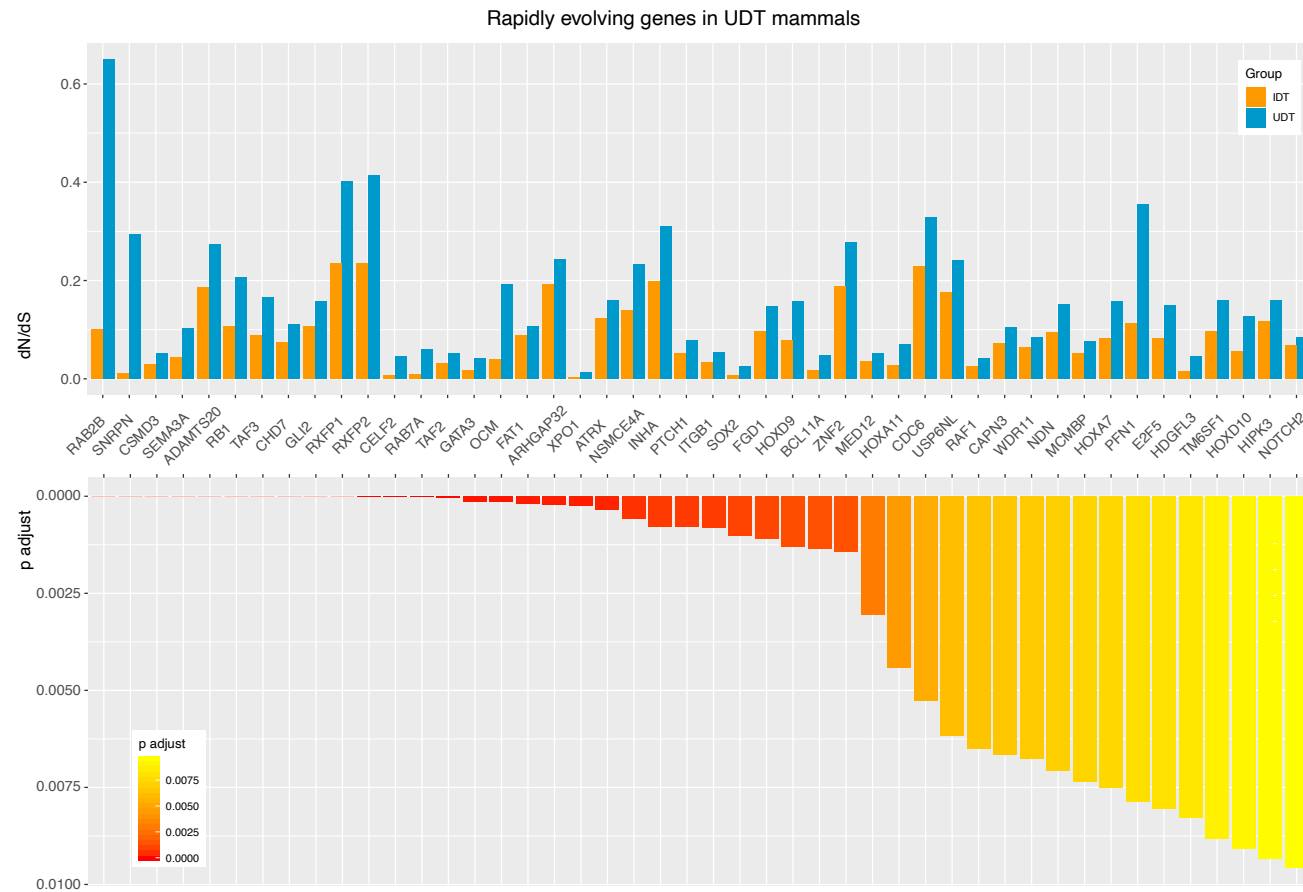


Figure S2. Rapidly evolving genes in UDT mammals. The upper half of this figure shows dN/dS ratios in UDT species and IDT species. In these 46 genes, dN/dS ratio in UDT species is higher than in IDT species. The bottom half of this figure demonstrates the p adjust (after fdr correction) values of 46 rapidly evolving genes.

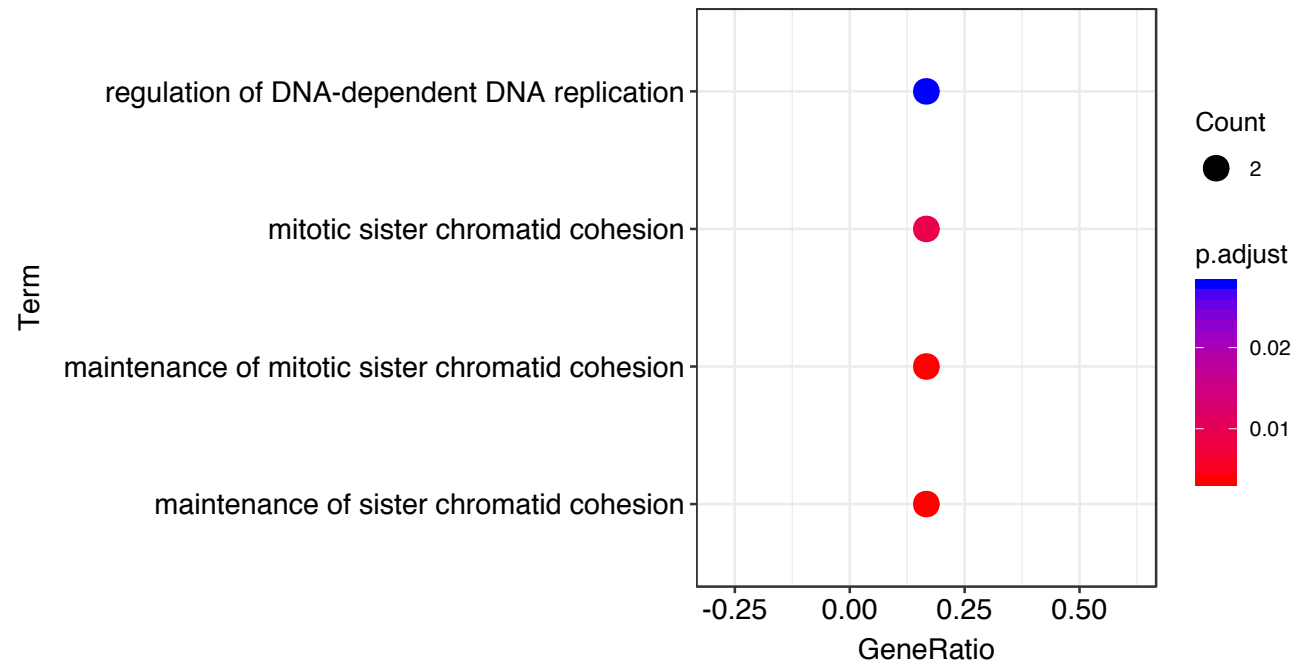


Figure S3. Functional enrichment of genes which evolved significantly correlated to character of testis position (p value < 0.05).

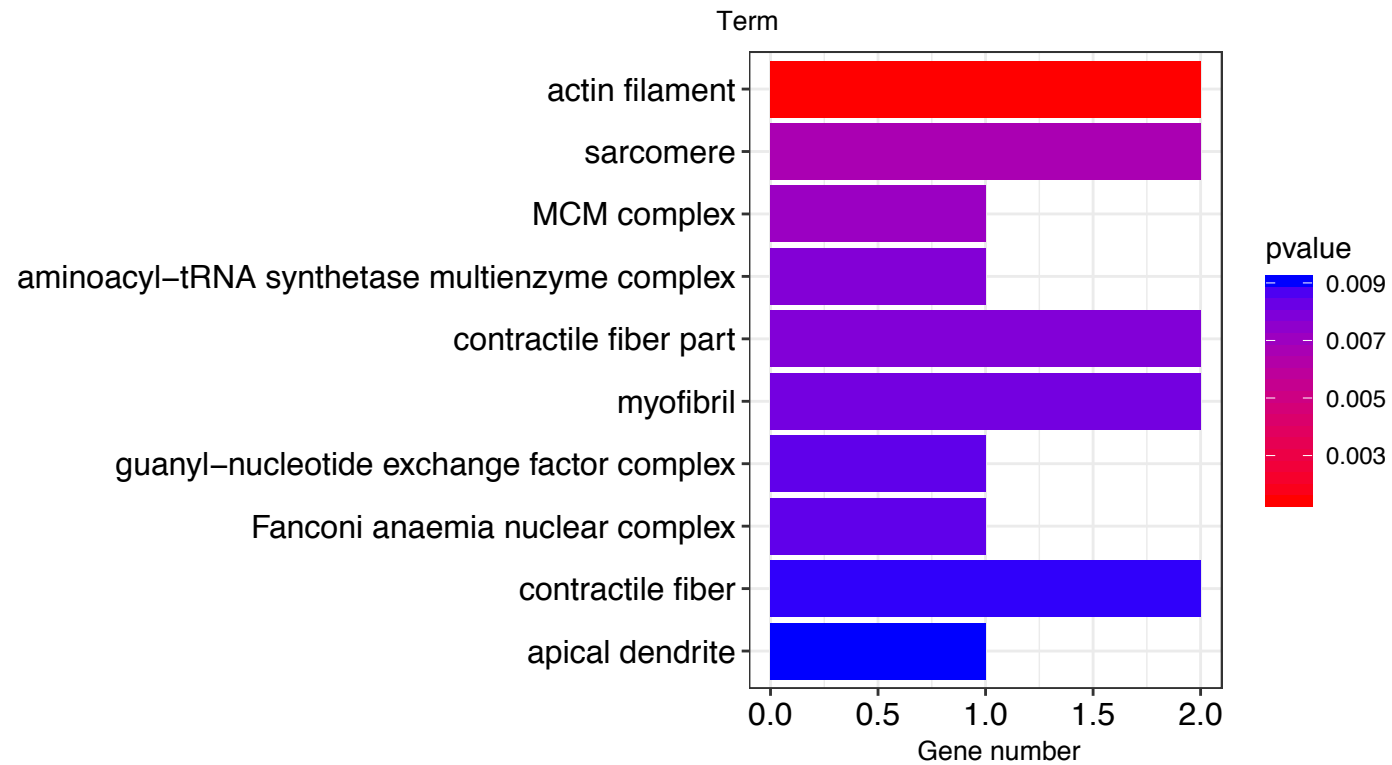


Figure S4. Top 10 GO function enrichment of positive selected genes in ascrotal IDT and UDT mammals. Enrichment terms are ordered by p values.

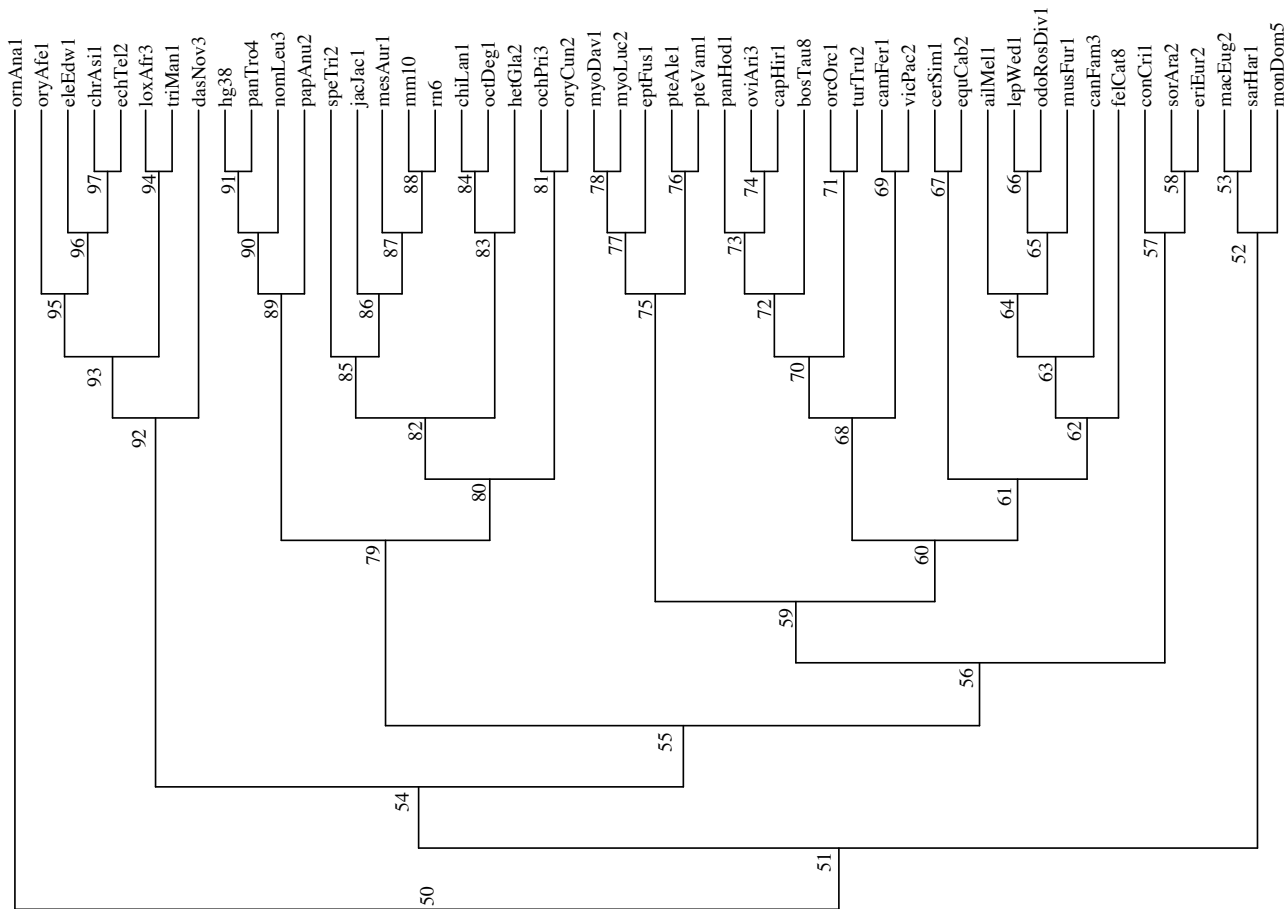


Figure S5. The working tree for identification of convergent/parallel amino acid substitutions. The internal nodes are numbered.