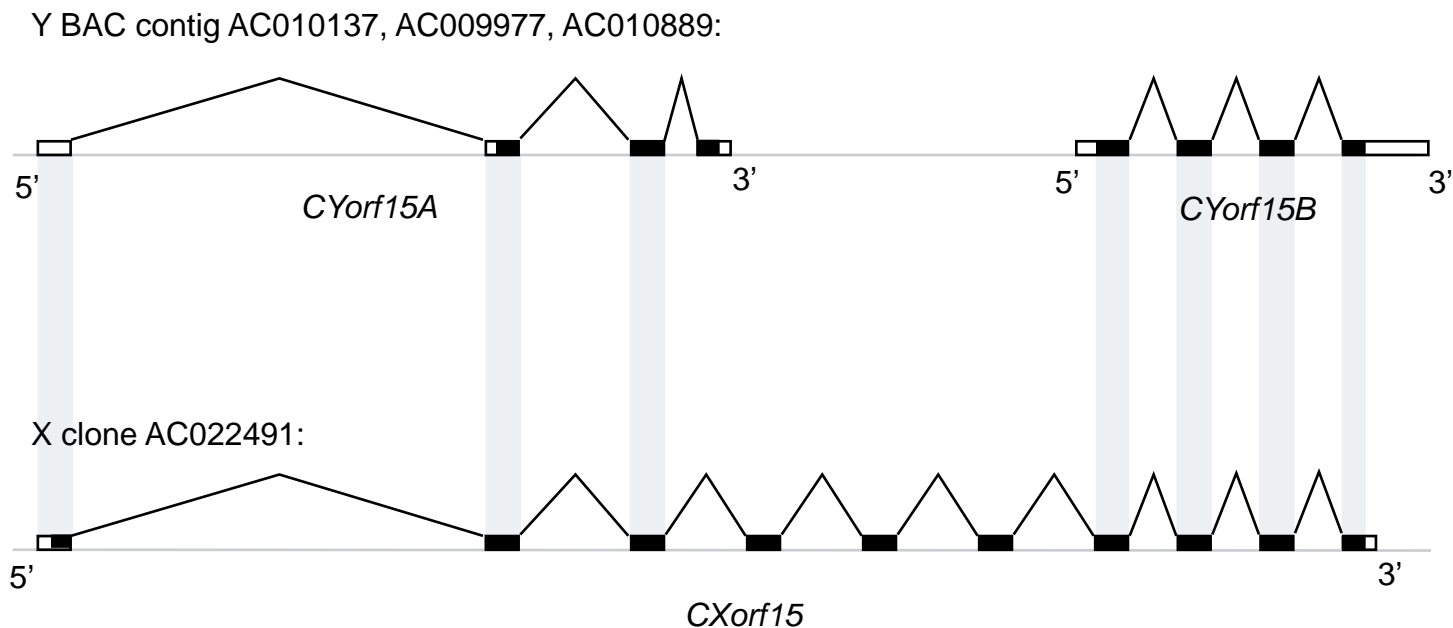


Supplementary Figure 4



Schematic alignment of two X-degenerate genes on Yq to their X chromosome homolog.

The schematic above (not to scale) illustrates an unusual outcome of XY gene pair divergence; two Y genes evolved from a single ancestral X gene.

Y genes *CYorf15A* (GenBank AF332224) and *CYorf15B* (GenBank AF332225) are both expressed in all tissues studied.

There are ESTs from multiple tissues originating from X gene *CXorf15* (GenBank AK002071).