

**Fig. S9. Sequence structures of the YE3 regions, giving information on gene conversion and deletion events at this region.**

Upper panel: Sequences homologous to the Y chromosome are drawn in orange (Y) and green (X). Numbers on the Y correspond to the position in the alignment when comparing with HT1 (for Y) or to the chromosome position on the horse X (Broad/eqcab2; <http://genome.ucsc.edu/>). Blue stripes indicate a dinucleotide microsatellite.

Lower panel: Structural changes on this locus, leading to HT5 (gene conversion), HT3 (putative gene conversion) and HT6 (deletion).

