**A. Self-self hybridization**

![Thoroughbred 2 self-self hybridization](image)

![Cumulative hybridizations with all 36 animals](image)

**B. Male-to-female aCGH for the X chromosome**

![Male/Female and Female/Female aCGH results for the X chromosome](image)

**C. DNA quality check**

![DLRSD values of aCGH using DNA from blood (left) and from hair (right) of the same individual](image)

**Figure S1. Array and aCGH quality control:**

A. Genome-wide distribution of CNVs in self-to-self hybridization (upper) compared to cumulative hybridizations with all animals (lower) to determine FDR; green vertical lines denote CNVs;

B. Male-to-female aCGH results for the X chromosome;

C. DLRSD values of aCGH using DNA from blood (left) and from hair (right) of the same individual.