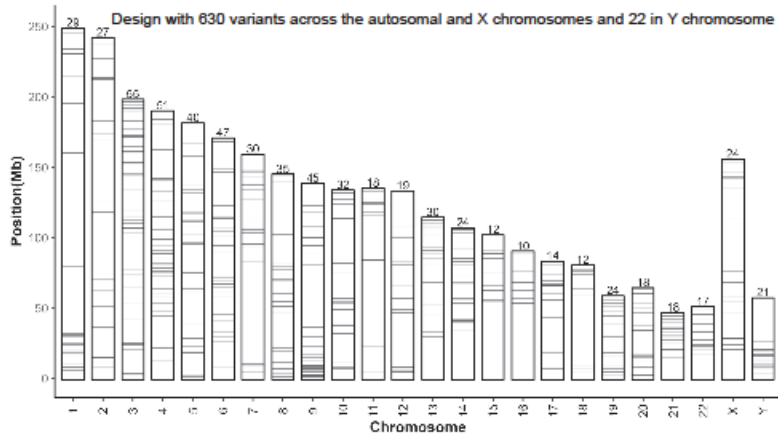


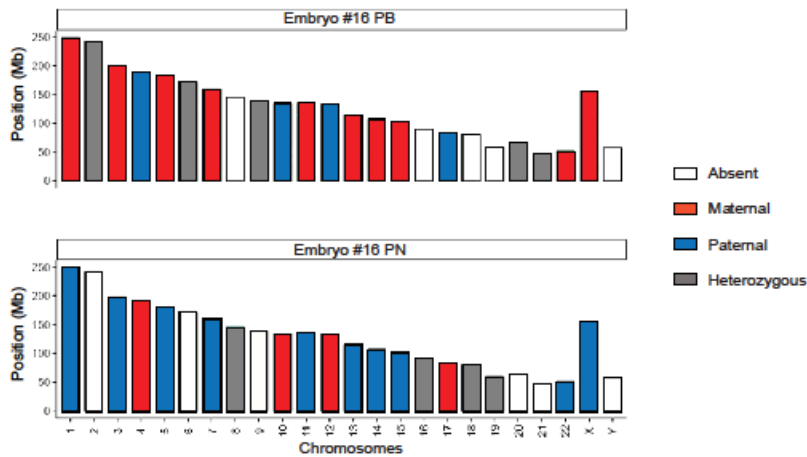
a

Chromosomal position and number of AmpliSeq loci distinguishing somatic maternal and paternal from sperm homologs



b

Composition of somatic chromosomes in PN and PB in the SCNT zygote #16 determined by AmpliSeq



Supplementary Figure 1: Single-cell chromosome sequencing analysis by AmpliSeq assay.

- Chromosomal position and number of loci interrogated to distinguish each somatic maternal and paternal chromosomes from each other and from sperm homologs. Total of 652 loci covering 584 triallelic and 47 biallelic genomic variants were included in AmpliSeq sequencing platform.

- b. Example of AmpliSeq panel in SCNT embryo #18 showing chromosome composition in the PN and PB. Maternal chromosomes shown in red, paternal shown in blue, heterozygous (paternal + maternal) are in grey and white indicates absence of chromosome.