



**Supplementary Figure S1** Whole-genome gynogenetic siCHILD/Haplarithms haplotyping and copy number typing outcomes. The genomic signatures representing genome-wide haplotypes (haplarithms) and copy number states (haplarithms and normalized Log-R plot) were obtained by implementing siCHILD/Haplarithms on single blastomeres as previously described (Zamani Esteki *et al.*, 2015; Dimitriadou *et al.*, 2017). PatBAF = paternal B-allele frequencies; MatBAF = maternal B-allele frequencies.