

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Summary of sequencing quality and depth per dataset.

File name: Supplementary Data 2

Description: Percentage of reads aligned to Y chromosome per assigned cluster in each dataset.

File name: Supplementary Data 3

Description: Percentage of reads on X chromosome and in the XIST gene compared to the Yleaf results per assigned cluster in each dataset.

File name: Supplementary Data 4

Description: Paternal and Maternal ancestry prediction after mixture deconvolution comparison to the available reference data.

File name: Supplementary Data 5

Description: Biparental ancestry assessment in each cluster of the deconvoluted mixtures towards five major populations assigned by 1000 Genomes.

File name: Supplementary Data 6

Description: Allele match toward the exome reference per cluster after mixture deconvolution for each deconvoluted mixture.

File name: Supplementary Data 7

Description: Calculation of forensic parameters per cluster after mixture deconvolution.

File name: Supplementary Data 8

Description: Calculation of forensic parameters per cluster and number of cells.

File name: Supplementary Data 9

Description: Determination of Y chromosome haplogroup per number of cell per cluster.

File name: Supplementary Data 10

Description: Determination of mtDNA haplogroup per cluster and number of cells.