

KaryoStat™ Results: KS-6438

1. KaryoStat™ analysis of KS-6438 revealed the sample originated from a female individual.
2. Chromosomal aberrations were observed when comparing to the reference set (Table 2, Figure 4).
3. A partial chromosomal loss was detected on chromosome 3, CN state = 1.00 (Table 2, Figure 4).
4. A mosaic chromosomal loss was detected on chromosome 3 in approximately 30% of the cells, CN state = 1.70 (Table 2, Figure 4).
5. A partial chromosomal gain was detected on chromosome 17, CN state = 3.00 (Table 2, Figure 4).
6. A mosaic chromosomal gain was detected on chromosome 17 in approximately 77% of the cells, CN state = 2.77 (Table 2, Figure 4).
7. A supplemental document with detailed information on the aberration will be provided to the Client.
8. If a deletion in Chr. Y is found, it is possible that this sample is derived from the WTC cell lines, which is known to have this genotype, and is originating from the donor the cell line was derived from.

Chromosome	Type	Cytoband Start	CN State	Size (kbp)
3	Loss	p26.3	1.00	9,081
3	LossMosaic	p26.3	1.70	43,071
17	Gain	q21.31	3.00	32,786
17	Gain Mosaic	q21.31	2.77	37,051

Table 2: KaryoStat™ analysis. Chromosomal aberrations are indicated in the table shown. See supplemental data for more details.

Copy Number State

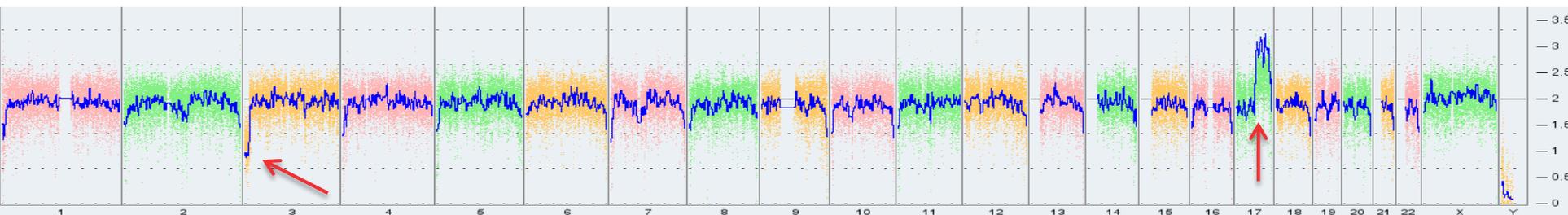


Figure 4: Whole genome view. The whole genome view displays all somatic and sex chromosomes in one frame with high level copy number. The smooth signal plot (right y-axis) is the smoothing of the log₂ ratios which depict the signal intensities of probes on the microarray. A value of 2 represents a normal copy number state (CN = 2). A value of 3 represents chromosomal gain (CN = 3). A value of 1 represents a chromosomal loss (CN = 1). The pink, green and yellow colors indicate the raw signal for each individual chromosome probe, while the blue signal represents the normalized probe signal which is used to identify copy number and aberrations (if any). The whole genome view analysis revealed chromosomal aberrations indicated by the red arrow. Aberrations close to the detection limit of the Karyostat assay requires further investigation for confirmation of its presence.*
 Disclaimer: This assay was conducted solely for the listed investigator/institution. The results of this assay are for research use only.