

KaryoStat+ Results: NCHi010-A iPSC

Chromosome	Type	Cytoband Start	CN State	Size (kbp)
21	Gain	q11.2	3.00	32,708

Table 5. KaryoStat+ analysis. Chromosomal aberrations are indicated in the table shown. See supplemental data for more details.

1. For iPSCs, the presence of two X chromosomes indicates a female genotype whereas presence of an X and a Y chromosome denotes a male genotype.
2. If a deletion in Chr. Y is found, it is possible that this sample is derived from the WTC cell lines, which are known to have this genotype, and originates from the donor from which the cell line was derived.

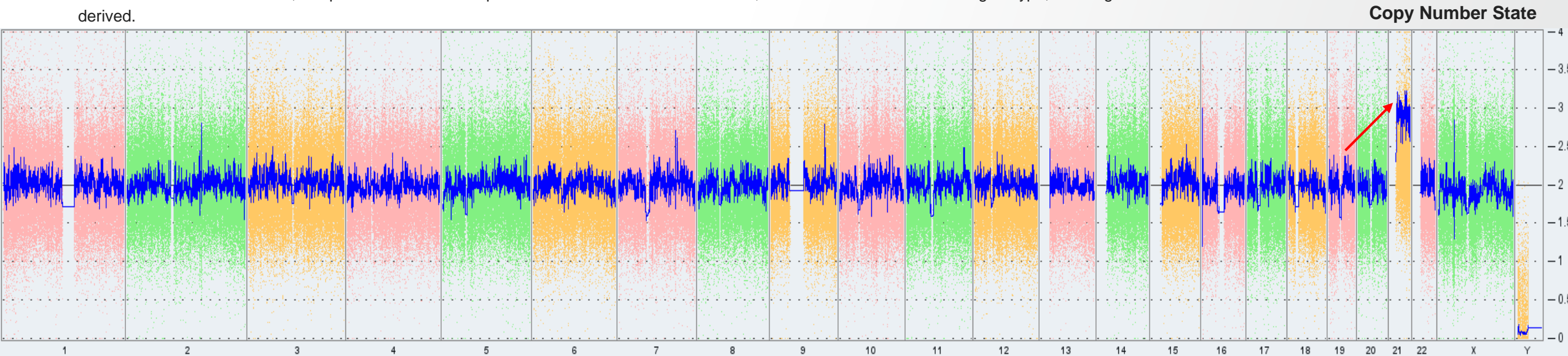


Figure 3: Whole genome view. The whole genome view displays all somatic and sex chromosomes in one frame with high level copy number. The smooth signal plot (right y-axis) is the smoothing of the log2 ratios which depict the signal intensities of probes on the microarray. A value of 2 represents a normal 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). Aberrations when present are indicated by red arrows.

Disclaimer: This assay was conducted solely for the listed investigator/institution. The results of this assay are for research use only.