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(54) SEQUENCE-BASED KARYOTYPING

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(57) **ABSTRACT**

A new method for genomic analysis, termed "Sequence-Based Karyotyping," is described. Sequence-Based Karyotyping methods for the detection of genomic abnormalities, for diagnosis of hereditary disease, or for diagnosis of spontaneous genomic mutations are also described.

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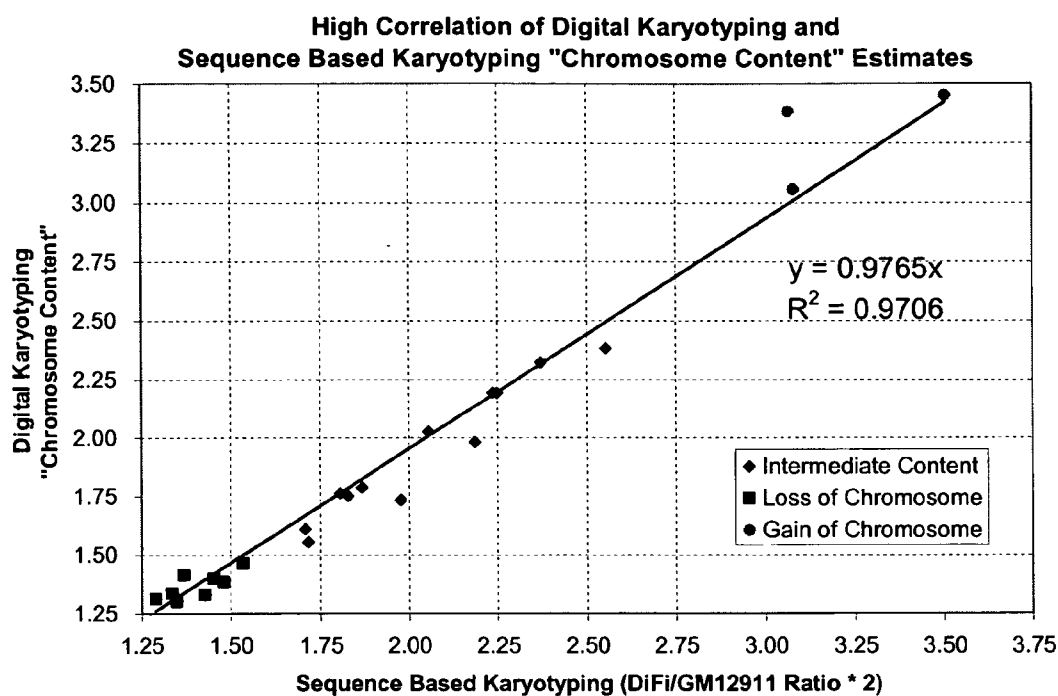


Figure 1

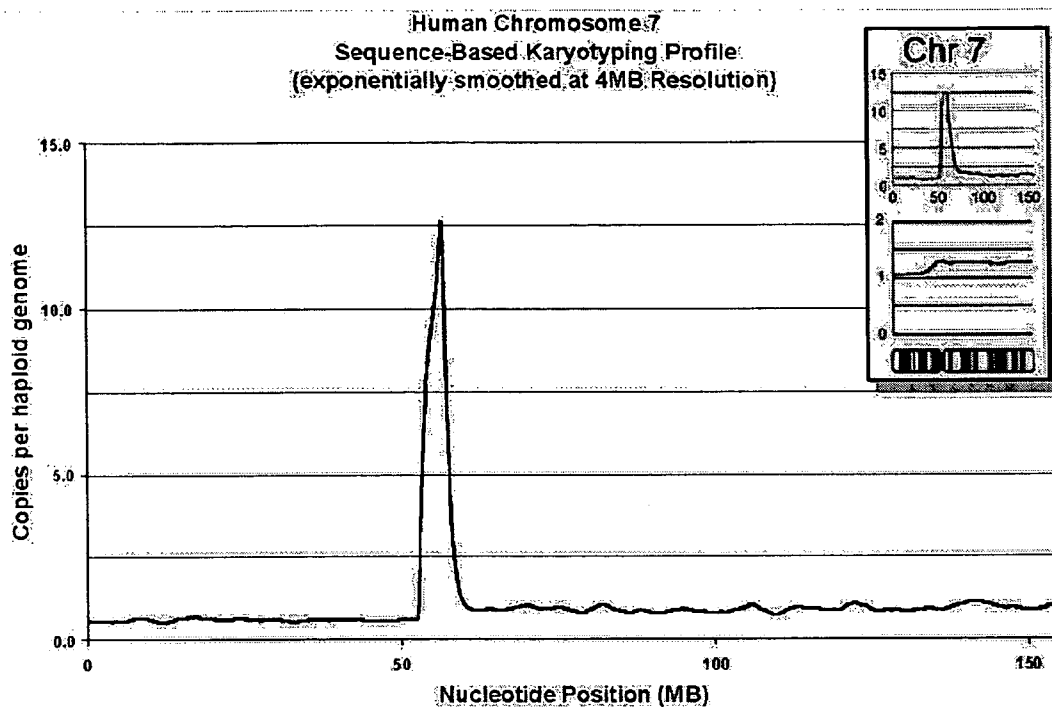


Figure 2

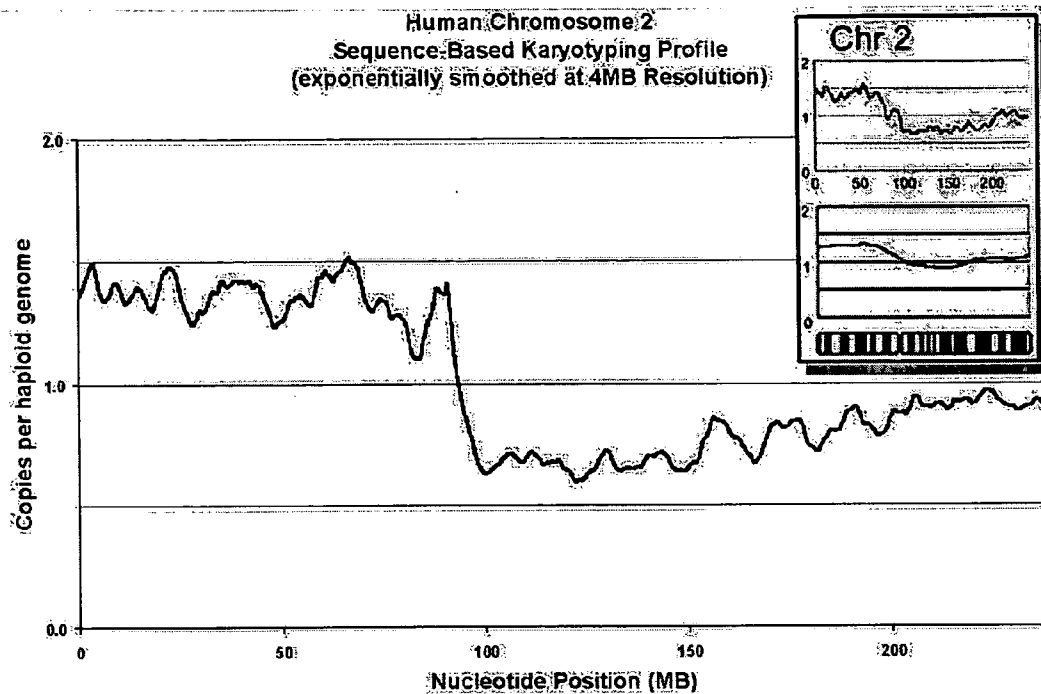


Figure 3

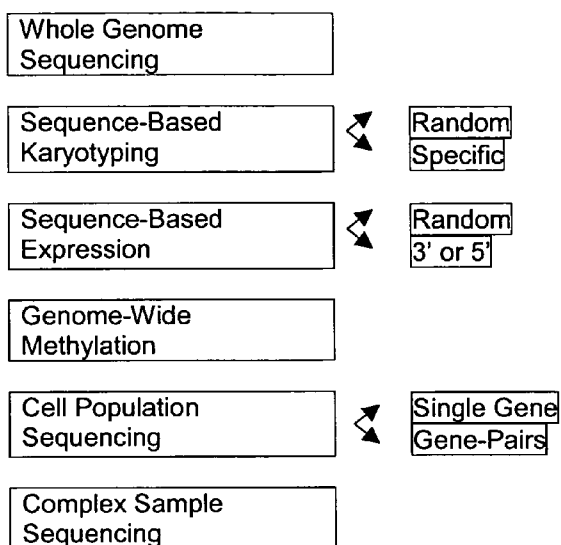


FIG. 4A

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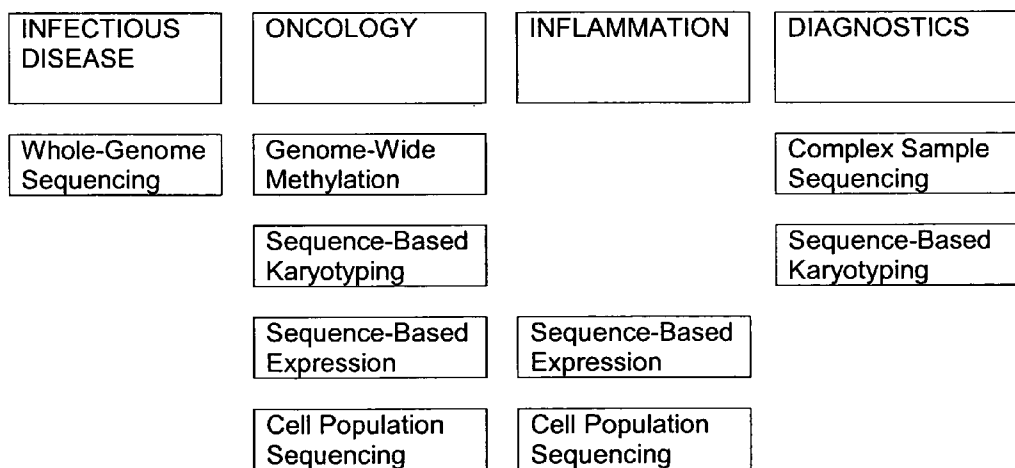


FIG. 4B

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