

ABSTRACT OF THE DISCLOSURE

A genotype analysis device includes an electrophoresis device and a data analysis device. A mobility model management unit including an environment information receiving unit, a prediction model storage unit, and a mobility prediction unit is provided in an STR analysis unit of the data analysis device. The mobility prediction unit generates a prediction model for predicting a correction amount of a standard base length of an allele, based upon an environmental condition at the time of electrophoresis received by the environmental information receiving unit and an electrophoresis result of an allelic ladder. A base length of the allele is corrected from the environmental condition without using the allelic ladder by using the prediction model.