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Polymorphism analysis of 15 STR loci by the fetus and mother samples of the Han population in the southern China

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Allele frequencies for 15 short tandem repeats (STR) loci have been obtained from a sample of 285 fetus and 285 their mothers of the Han population in Southern China. The loci are D8S1179, D21S11, D7S820, CSF1PO, D3S1358, TH01, D13S317, D16S539, D2S1338, D19S433, vWA, TPOX, D18S51, D5S818, and FGA in the AmpFlSTR® Identifiler (Applied Biosystems) commercial kit. All the loci analyzed have almost reached the Hardy-Weinberg equilibrium in the two groups. We also report here the observed heterozygosity, expected heterozygosity, power of discrimination, polymorphism information content, power of exclusion and typical paternity index for each locus in each group. The results of the fetal group are consistent with the mother's; these loci are highly polymorphic and stabile.

Biography

A H Yin is the Head of Department, the Medical Genetics Centre, prenatal diagnostic center, Guangdong Women and Children Hospital. She is the Assistant of the President, who is the Vice President of Guangdong Society for Diagnosis and Therapy in thalassemia. She has published many papers in reputed journals and has been a specialist member in Chinese Society for Prenatal Diagnosis.

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