

Letter Concerning: “Genotyping for Kidd, Kell, Duffy, Scianna, and *RHCE* Blood Group Antigens Polymorphisms in Jiangsu Chinese Han”

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To the Editor: We have been genotyping blood group systems in Brazilian population^[1,2] and most of the techniques used by us have been the restriction fragment length polymorphism-polymerase chain reaction (PCR), which were previously reported by Reid *et al.*^[3] Based on the manuscript written by Liu *et al.*,^[4] published in *Chinese Medical Journal* (Genotyping for Kidd, Kell, Duffy, Scianna, and *RHCE* blood group antigens polymorphisms in Jiangsu Chinese Han, *Chin Med J* 2012;125:1076-1081), we intended to change some genotyping procedures for allele specific-PCR technique. However, we detected an exchange in the identification of primers *RHCE*E* and *RHCE*e* shown in Table 1, line 18–20 (specific primers) by Liu *et al.*^[4] These primers were previously reported by Gassner *et al.*^[5] and the correct sequences for *RHCE* oligonucleotides were: E-reverse gatgtcttgccaagtgtcaactctc; e-reverse atgtcttgccaagtgtcaactctg; and forward to both E and e-ctgctcaccatgctgatctct. After using the correct primers, the genotype for the *RHCE*CE* as well as the genotype for Kell, Duffy and Kidd blood group systems were specific and reproducible.

Authors' Reply

First of all, thanks to the editors for giving us the opportunity to answer questions concerning our publication in *Chinese Medical Journal* entitled “Genotyping for Kidd, Kell, Duffy, Scianna, and *RHCE* blood group antigens polymorphisms in Jiangsu Chinese Han”.^[4]

The authors of the letter to the editor stated that they detected an exchange in the identification of primers by *RHCE*E* and *RHCE*e* shown in the Table 1, line 18–20 (specific primers). We double checked the data and found that the nucleotide sequences of the

specific primers for genotyping *RHEe* in the Table 1 from the line 18–19 were correct, however, there were typos that line 18 “reverse” should be “forward,” and line 19 “forward” should be “reverse.” Although we tried to be careful in our proof reading, we did not notice this error. Sorry for the mistake, however, we had cited in this article that these primers were previously reported by Gassner *et al.*^[5] (Prof. Qing Chen, Jiangsu Province Blood Center, Nanjing, Jiangsu 210042, China. E-mail: chenqing90@yahoo.com)

REFERENCES

1. Guelsin GA, Sell AM, Castilho L, Masaki VL, de Melo FC, Hashimoto MN, *et al.* Genetic polymorphisms of Rh, Kell, Duffy and Kidd systems in a population from the State of Paraná, southern Brazil. *Rev Bras Hematol Hemoter* 2011;33:21-5.
2. Flôres MA, Visentainer JE, Guelsin GA, Fracasso Ade S, de Melo FC, Hashimoto MN, *et al.* Rh, Kell, Duffy, Kidd and Diego blood group system polymorphism in Brazilian Japanese descendants. *Transfus Apher Sci* 2014;50:123-8.
3. Reid ME, Rios M, Yazdanbakhsh K. Applications of molecular biology techniques to transfusion medicine. *Semin Hematol* 2000;37:166-76.
4. Liu Z, Zeng R, Chen Q, Li M, Shi GY, Wei P, *et al.* Genotyping for Kidd, Kell, Duffy, Scianna, and *RHCE* blood group antigens polymorphisms in Jiangsu Chinese Han. *Chin Med J* 2012;125:1076-81.
5. Gassner C, Schmarda A, Kilga-Nogler S, Jenny-Feldkircher B, Rainer E, Müller TH, *et al.* RHD/CE typing by polymerase chain reaction using sequence-specific primers. *Transfusion* 1997;37:1020-6.

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