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Estimation of inter-individual variability of pharmacokinetics of CYP2C9 substrates in humans

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## 1 **Title:**

## Estimation of inter-individual variability of pharmacokinetics of 2 **CYP2C9** substrates in humans 3 Authors: 4 Koji Chiba<sup>1,2</sup>, Keiko Shimizu<sup>3</sup>, Motohiro Kato<sup>4</sup>, Taichi Miyazaki<sup>5</sup>, Takaaki 5 Nishibayashi<sup>5</sup>, Kazuki Terada<sup>1</sup>, and Yuichi Sugiyama<sup>2</sup> 6 7 Affiliations: 8 9 <sup>1</sup>Laboratory of Clinical Pharmacology, Yokohama University of Pharmacy, 601 Matano-cho, 10 Totsuka-ku, Yokohama-shi, Kanagawa 245-0066, Japan 11 <sup>2</sup>Sugiyama Laboratory, RIKEN Innovation Center, Research Cluster for Innovation, RIKEN, 1-6, 12 Suehiro-cho, Tsurumi-ku, Yokohama-shi, Kanagawa 230-0045, Japan <sup>3</sup>DMPK Research Laboratory, Kyorin Pharmaceutical Co., Ltd, Nogi, Nogi-machi, 13 14 Shimotsuga-gun, Tochigi 15 329-0114, Japan <sup>4</sup>Research division, Chugai Pharmaceutical Co., Ltd, 1-135 Komakado, Gotemba, Shizuoka 16 17 412-8513, Japan 18 <sup>5</sup>Department of Drug Development and Regulatory Science, Faculty of Pharmacy, Keio 19 University, 1-5-30 Shibakoen, Minato-ku, Tokyo 105-8512, Japan 20 21 Taichi Miyazaki has moved to Astellas Pharma Inc., Japan-Asia Clinical Development II, 2-5-1 22 Nihonbashi-Honcho, Chuo-Ku, Tokyo 103-8411, Japan 23 Takaaki Nishibayashi has moved to Hiroshima Sales Branch, Taiho Pharmaceutical Co., Ltd,

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