**Title**  
GATA2 regulates differentiation of bone marrow-derived mesenchymal stem cells

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**Author contributions**

*Please describe the contributions of each author, indicating who was responsible for each part of the study and the preparation of the manuscript (collection of data, experiments, data analysis, generation of figures, interpretation of data, preparation of the text, etc.):*

Hideo Harigae conceived of the project.

Mayumi Kamata, Masahiko Kanehira, Yoko Okitsu, Shinji Nakajima and Taro Takahashi performed experiments and analyzed the data.

Mayumi Kamata, Tohru Fujiwara and Hideo Harigae wrote the manuscript.

Tohru Fujiwara, Ai Inoue, Noriko Fukuhara, Yasushi Onishi, Kenichi Ishizawa, Ritsuko Shimizu, Masayuki Yamamoto and Hideo Harigae contributed reagents/materials/analysis tools.