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Exome sequencing identified RPS15A as a novel causative gene for  
Diamond-Blackfan anemia

Fumika Ikeda, Kenichi Yoshida, Tsutomu Toki, Tamayo Uechi, Shiori Ishida, Yukari Nakajima, Yoji Sasahara, Yusuke Okuno, Rika Kanazaki, Kiminori Terui, Takuya Kamio, Akie Kobayashi, Takashi Fujita, Aiko Sato-Otsubo, Yuichi Shiraishi, Hiroko Tanaka, Kenichi Chiba, Hideki Muramatsu, Hitoshi Kanno, Shouichi Ohga, Akira Ohara, Seiji Kojima, Naoya Kenmochi, Satoru Miyano, Seishi Ogawa, and Etsuro Ito

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Contributions: YO, AS-O, YShiraishi, HT, KC and SM performed bioinformatics analyses of the resequencing data. FI, KY and TT processed and analyzed genetic material, prepared the library and performed sequencing. FI, TT, RK and AK performed the Northern blot analyses and RT-PCR analyses. FI, TT, TF and RK performed genome editing using CRISPR/Cas9 system. TU, SI, YN, and NK performed zebrafish experiments. YSasahara, KT, TK, HM, HK, SO, AOhga, SK, and EI collected specimens and were involved in planning the project. EI and SOgawa led the entire project. FI, NK and EI wrote the manuscript. All author participated in discussions and interpretation of the data and results.