

Haematologica
HAEMATOL/2016/142273
Version 3

ATP11C is a major flippase in human erythrocytes and its defect causes congenital hemolytic anemia

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Disclosures: None

Contributions: NA designed and performed most experiments except the whole-exome sequencing, analyzed the data, and wrote the manuscript. HK analyzed the hemolytic anemia-related data, the whole-exome sequencing data, and all clinical data, and wrote the manuscript. YT planned the experiments, discussed the data, and wrote the manuscript. NM discussed and wrote the manuscript. JH performed the RNAseq analyses. HO and TU performed the hemolytic anemia-related tests and analyzed the data from them. S. Ohga analyzed all clinical data. KY and S. Ogawa designed and performed the whole-exome sequencing experiments. SM analyzed the whole-exome sequencing data. SK contributed to reagents, materials, and analysis tools for the whole-exome sequencing, and analyzed the whole-exome sequencing data.