## Haematologica HAEMATOL/2015/134932 Version 4

Extracellular vesicle miR-7977 is involved in hematopoietic dysfunction of mesenchymal stromal cells via poly(rC) binding protein 1 reduction in myeloid neoplasms

Hiroto Horiguchi, Masayoshi Kobune, Shohei Kikuchi, Masahiro Yoshida, Masaki Murata, Kazuyuki Murase, Satoshi Iyama, Kohichi Takada, Tsutomu Sato, Kaoru Ono, Akari Hashimoto, Ayumi Tatekoshi, Yusuke Kamihara, Yutaka Kawano, Koji Miyanishi, Norimasa Sawada, and Junji Kato

Disclosures: This work was supported in part by a grant from the Ministry of Health, Labour and Welfare of Japan to M.K. (ID: 15K09482)

Contributions: Contribution: HH contributed to most of the experiments. MK designed the experiments, performed flow cytometry and confocal microscopy, and drafted the paper. SK established the coculture system of primary leukemic cells. MY analyzed the results from the target protection experiments and luciferase assays. MM performed transmission electron microscopy (TEM). KM, SI, KT and TS performed the experiments and analyzed the data. KO, AH, AT, YK and YK followed the patients and obtained the informed consent. KM helped with the statistical analysis of the data. NS helped analyze the data of TEM. JK edited the final version of this paper.