Haematologica HAEMATOL/2019/222729 Version 3

Identification of PIKfyve kinase as a target in multiple myeloma

Cecilia Bonolo De Campos, Yuan Xiao Zhu, Nikolai Sepetov, Sergei Romanov, Laura Ann Bruins, Chang-Xin Shi, Caleb K. Stein, Joachim L. Petit, Alysia N. Polito, Meaghen E. Sharik, Erin W. Meermeier, Gregory J. Ahmann, Ilsel D. Lopez Armenta, Jonas Kruse, P. Leif Bergsagel, Marta Chesi, Nathalie Meurice, Esteban Braggio, and A. Keith Stewart

Disclosures: This work was supported by a Senior Research Grant from the Multiple Myeloma Research Foundation (MMRF) as well as the National Cancer Institute of the National Institutes of Health under Award Number U54CA224018. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health. A.K.S. has a consulting role for Bristol-Myers Squibb, Celgene, Amgen, Janssen, Ionis, Oncopeptides, Ono, Roche, Seattle Genetics, and Takeda. N.S. and S.R. are employed by Nanosyn Inc. The remaining authors declare no potential conflict of interest.

Contributions: A.K.S., N.S., and S.R. contributed to study conception; C.B.C., Y.X.Z., N.M., and A.K.S. contributed to study design; C.B.C., Y.X.Z., L.A.B., C.X.S., J.L.P., A.N.P., M.E.S., E.W.M., G.J.A., I.A.D.L., and J.K. contributed to data collection; C.B.C., Y.X.Z., E.B., C.X.S., C.K.S., P.L.B., M.C., and N.M. contributed to data interpretation; C.B.C., Y.X.Z., and A.K.S. contributed to manuscript writing. All authors have reviewed and approved this manuscript.