

Haematologica
HAEMATOL/2015/135723
Version 3

Efficient CRISPR-Cas9 mediated gene disruption in primary erythroid progenitor cells

Hojun Li, Jiahai Shi, Nai-Jia Huang, Novalia Pishesha, Anirudh Natarajan, Jennifer C. Eng, and Harvey F. Lodish

Disclosures: We thank Feng Zhang for the kind gift of the pX330 SpCas9 and sgRNA expression plasmid. We also thank the Whitehead Institute Bioinformatic and Research Computing (BaRC) group for assistance with transcriptome profiling analysis, and Thomas DiCesare for assistance with illustrations. This work was supported by a Frederick Lovejoy Research Grant to H.L., and grant NIH/NHLBI 2 P01 HL032262-25 to H.F.L. The authors have no conflicts of interest to declare.

Contributions: H.L., J.S., and H.F.L. designed the experiments. H.L., J.S., N.J.H, N.P., A.N., and J.C.E. performed the experiments. H.L., J.S., and H.F.L. wrote the manuscript.