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ASXL2 regulates hematopoiesis in mice and its deficiency promotes  
myeloid expansion

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Contributions: V.M. conceived the study, designed and performed research, analyzed data and wrote the manuscript; L.H. and T.W.W. designed and performed research and analyzed data; N.H. conceived the study, provided patient samples and clinical data, performed sequencing and analyzed data; A.M. performed bioinformatics and statistical analyses and wrote the manuscript; Q-Y.S., L-W.D., L.S.L., P.S., J.S. performed sequencing and other experiments; H.B.M.N. maintained mouse colonies and performed genotyping; N.B.D. and J.W.S. performed histological analysis; P.D., M.S., A.S-O. and H.Y. analyzed sequencing data; S.O. supervised bioinformatics analysis; M.M., T.H., D-C.L. and T.N. collected and processed patient samples and provided clinical data; L-Y.S. designed the study, collected and processed patient samples and provided clinical data; Q.T.W. provided the mouse colony; H.P.K. conceived and supervised the study, interpreted the data and wrote the manuscript. All authors reviewed and approved the manuscript.