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High activation of STAT5A drives peripheral T-cell lymphoma and leukemia

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Contributions: B.M. and H.N. planned and performed most of the experiments, analyzed and interpreted the data and supervised S.W., M.Ho. and B.H. in cloning and basic phenotyping. T.K. and T.R. generated transgenic animal models. M.P.-M. and A.H.-K. did HSC characterization and thymidine incorporation assays. R.G. and D.C. performed RNA-seq analysis. B.W. and B.M. performed inhibitor treatments. G.H. assessed blood smears and H.T.T.P. performed an immunoblot. M.S. supported immunohistochemistry and staining quantification. C.L., A.J., C.K., J.L., M.K., O.M., A.-I.S., L.K., S.P., A.C. and E.G. provided and performed patient material analysis, L.K. and A.-I.S. evaluated mouse histology. A.A.C. and P.T.G. developed and provided AC-3-19. J.P., J.L., S.K., F.G., V.S., P.V., R.K., M.He. and M.M. gave critical input and advice during the project and on the manuscript. R.M. designed, supervised and financed the project. B.M. and R.M. wrote the manuscript.