

Haematologica
HAEMATOL/2019/217687
Version 4

Dissecting molecular mechanisms of resistance to Notch1-targeted
therapy in T-cell acute lymphoblastic leukemia xenografts

Valentina Agnusdei, Sonia Minuzzo, Marica Pinazza, Alessandra Gasparini, Laura Pezzè, Adriana Agnese Amaro, Lorenza Pasqualini, Paola Del Bianco, Martina Tognon, Chiara Frasson, Pietro Palumbo, Yari Ciribilli, Ulrich Pfeffer, Massimo Carella, Alberto Amadori, and Stefano Indraccolo

Disclosures: Authors declare no conflict of interest

Contributions: Agnusdei V. planned study design, performed flow cytometry analyses and experiments, analyzed the data, prepared figures and wrote the manuscript. Minuzzo S. contributed to study design, performed in vivo experiments and Sanger sequencing. Pinazza M. contributed to study design, performed in vivo experiments and Western Blot analysis. Gasparini A. and Pasqualini L. performed whole exome sequencing and bioinformatics analysis. Tognon M. and Frasson C. performed qPCR and flow cytometry analysis, respectively. Pezzè L. and Ciribilli Y. performed subcellular fractionation and Western Blot analysis of plasma membrane fractions and analyzed data. Amaro A.A. and Pfeffer U. performed transcriptome analysis. Del Bianco P. was in charge of statistical analysis of metabolomics data. Palumbo P. and Carella M. performed SNP arrays and analysed data. Amadori A. revised the manuscript and contributed to study design. Indraccolo S. designed the project, interpreted the data, revised the manuscript and approved its final version. All authors reviewed the manuscript.