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Integration of B-cell receptor-induced ERK1/2 phosphorylation and mutations of *SF3B1* gene refines prognosis in treatment naive chronic lymphocytic leukemia

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Contributions: CC designed and performed experiments, analyzed and interpreted data, contributed to write the manuscript; CV managed clinical data, performed modeling analyses and interpreted data; SP analyzed data; DR performed and coordinated sequencing experiments, analyzed and interpreted data; NP analyzed flow cytometry data; OL and EF performed experiments; EM, OP, MF, and LT managed clinical data; MGR contributed to interpret data; GS and AA contributed to study design; GG supervised sequencing experiments and interpreted data; GP and AC contributed to study design and to interpret data; MTS designed and coordinated the study, interpreted data and wrote the manuscript. All authors reviewed the manuscript.