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Please describe the contributions of each author, indicating who was responsible for each part of the study and the preparation of the manuscript (collection of data, experiments, data analysis, generation of figures, interpretation of data, preparation of the text, etc.) :

O.R.B., S.S., J.E. and A.M.S. performed the experiments. J.B.K. and O.R.B designed research and experiments and wrote the manuscript jointly with A.E.K.. O.R.B., S.S. and J.B.K. analyzed and interpreted results. T.R. performed the computational analysis of the WES data jointly with J.B.K.. S.I., N.T., I.G. and N.G. contributed to experiments with BaF3 cells. R.K.S., J.H., A.S., M.S., M.S., R.K., S.A., R.H. contributed patient samples and clinical data. M.Z. and J.H. performed statistical analysis. V.F., J.P.B. and B.B. performed xenograft experiments. A.M.S. prepared sample libraries for capture-based enrichment and WES, and performed quality control analyses of the WES data jointly with T.R.. J.O.K., M.U. M. and A.E.K. designed and oversaw the research. All authors read and approved the manuscript.

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