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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.) :

PS, BK, OE and KW are the principal investigators and take primary responsibility for the paper; PS, OA and MW recruited and treated the patient; BY and OE performed whole exome sequencing and OE performed bioinformatic analysis of exome data; BK, AS and SU performed the laboratory work; BK, SU, MR and AS analyzed data; MS performed the (immune-) histological evaluation and description of the bone marrow; PS, BK, and KW coordinated the research and PS, BK, OE and KW wrote the manuscript; all authors revised the manuscript.