Information about the contributions of each person named as having participated in the study

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The guarantors of this manuscript confirm that all persons designated as authors qualify for authorship, and that each author has participated sufficiently in the work to take public responsibility for appropriate portions of the content.

2) Authors who participated in the conception of the study: Mar Mallo, Francesc Solé

3) Design & Methods. The following authors were responsible for specific investigations (please detail):
   - **Mar Mallo** was/were responsible for collection of all the samples, as well as, FISH technique and analysis. She also performed the probe design.
   - **Gemma Osca** was/were responsible for collection of all the samples, as well as, FISH technique and analysis.
   - **Julia Solórzano** was/were responsible for collection of all the samples, as well as, FISH technique and analysis.
   - **Leonor Arenillas** was/were responsible for the final diagnosis.
   - **Lourdes Florensa** was/were responsible for the final diagnosis.
   - **Francesc Solé** was/were responsible of the design, coordination, collection of all the samples and the cytogenetic analysis.

4) Results. The following authors were responsible for specific portions of the results, including figures and tables (please indicate the person responsible for each figure and each table):
• Gemma Osca was/were responsible for Table1.
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5) Writing the manuscript. The following authors were responsible for writing the manuscript:

• Mar Mallo was/were responsible for the writing of the manuscript.
• Gemma Osca was/were responsible for the writing of the manuscript.
• Julia Solórzano was/were responsible for the writing of the manuscript.
• Leonor Arenillas was/were responsible for the critical review of the manuscript.
• Lourdes Florensa was/were responsible for the critical review of the manuscript.
• Francesc Solé was/were responsible for the writing of the manuscript.

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Blanca Espinet and Marta Salido performed the cytogenetic analysis.
Carme Melero and María Rodríguez-Rivera processed the samples for the following cytogenetic analysis.

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