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

1) Guarantor(s), i.e., person(s) who is (are) responsible for the integrity of the work as a whole:
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2) Authors who participated in the conception of the study: Todd Wilson, Jamie Robyn

3) Design & Methods. The following authors were responsible for specific investigations (please detail):

- Todd Wilson, Melody Carter, Jamie Robyn and Dean Metcalfe were responsible for clinical study design, patient recruitment/care and disease classification
- Irina Maric, Olga Simakova and Nicolas Olivares were responsible for flow cytometry and KIT D816V RFLP design and analysis
- Dragan Maric, Irina Maric and Olga Simakova were responsible for flow sorting design and analysis
- Irina Maric was responsible for bone marrow hematopathology analysis
- Eunice Ching Chan was responsible for RAS real time PCR design and analysis
- Yun Bai and Todd Wilson were responsible for RAS sequencing design and 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):

- Todd Wilson, Jamie Robyn, Melody Carter and Dean Metcalfe were responsible for results in Table 1
- Irina Maric, Olga Simakova and Nicolas Olivares were responsible for flow cytometry and KIT D816V RFLP results in Figure 1 A, B, C
- Yun Bai and Todd Wilson were responsible for RAS sequencing results in Figure 1 A, B, C
- Eunice Ching Chan was responsible for results in Figure 1D
- Irina Maric was responsible for Figure 2
- Yun Bai, Todd Wilson and Eunice Ching Chan were responsible for supplementary table

5) Writing the manuscript. The following authors were responsible for writing the manuscript:

- Todd Wilson wrote the manuscript
- All authors edited and revised the manuscript critically for intellectual content
- All authors provided final approval of the version to be published

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