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Specific contributions of each author are listed on page 2 of this document.

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1) Haley E. Ramsey was responsible for collection of data, design and execution of experiments and the analysis of data. Haley Ramsey also generated the data figures and prepared, wrote and reviewed the text.

2) Qi Zhang was responsible for collection of platelet lifespan data and reviewed the text.

3) Diane E. Brown helped collect data, interpret results and reviewed the text.

4) David P. Steensma helped interpret results and reviewed the text.

5) Charles P. Lin designed and supervised the intravital imaging study and reviewed the text.

6) Mei X. Wu has designed and supervised experiments, analyzed the data, prepared figures, and wrote and reviewed the text.

The authors declare no conflict of interest.