

Manuscript no. HAEMATOL/2011/046896 entitled “Genetic Disruption of the PI3K Regulatory Subunits, p85a, p55a, and p50a, Normalizes Mutant PTPN11-Induced Hypersensitivity to GM-CSF”

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

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2) Authors who participated in the **conception of the study**: Rebecca J. Chan, Charles B Goodwin

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

- Charles B Goodwin - designed & performed research, wrote the manuscript
- Zhenyun Yang - designed & performed research
- Fuqin Yin - provided technical assistance (murine genotyping)
- Menggang Yu - performed statistical analyses
- Rebecca J. Chan - designed research and wrote the manuscript

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):

- Charles Goodwin, Zhenyun Yang, and Fuqin Yin - Figure 1
- Charles Goodwin, Zhenyun Yang, and Fuqin Yin - Figure 2
- Charles Goodwin - Figure 3

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

- Rebecca J. Chan
- Charles B Goodwin

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