

February 3, 2023

**Biostatic Review Certificate**

**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript Title:** Effects of ethanol and sex on propionate metabolism evaluated via a faster  $^{13}\text{C}$ -propionate breath test in rats

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The statistical methods and techniques mentioned are appropriate for the research.

Sincerely yours.

Yosuke Sasaki M. D., Ph. D.

A handwritten signature in black ink, appearing to read 'Yosuke Sasaki', written in a cursive style.