

## Peer Review File

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### Reviewer A

Comment 1: The result of cell proliferation should be Figure 7A-C, not Figure 5A-5C. The description in the results is incorrect, please correct it.

Reply 1: Thank you for your comments. We have modified our text as advised .

Changes in the text: Line 346.

Comment 2: The scale bars in Figure 7B is problematic and partially missing. Please carefully check and re upload the image.

Reply 2: Thank you for your comments. We have modified our text as advised .

Changes in the text: Figure 7.

Comment 3: What are the changes and effects of GUF1, EFTUD2 and GSPT1 on the histomorphology of gastric cancer? It is recommended to add relevant content.

Reply 3: Thank you for your comments. We added some description in our text.

Changes in the text: Line 247-249.

Comment 4: Figure 8 is not annotated in the result description, please add.

Reply 4: Thank you for your comments. We have modified our text as advised .

Changes in the text: Line 363-364.

Comment 5: There are many detection methods for cell proliferation and migration. Why this study only uses one method? If multiple methods are used, the results may be more reliable. It is suggested to add test results of other methods.

Reply 5: Thank you for your comments. We added some data in our text.

Changes in the text: Line 363-364, Figure 7D-F.

Comment 6: All figures are not clear enough. It is recommended to provide clearer figures again.

Reply 6: Thank you for your comments. We have modified our text as advised .

Changes in the text: Figure 1-8.

Comment 7: What are the relevant characteristics of the tumor microenvironment of gastric cancer? What is the correlation between GUF1, EFTUD2, GSPT1 and the tumor microenvironment? What are the possible goals of future drug development? It is recommended to add relevant content to the discussion.

Reply 7: Thank you for your comments. We added some description in our text.

Changes in the text: Line 460-474.

### Reviewer B

Figures and tables

1) Please indicate the meaning of “\*” “\*\*” “\*\*\*” “ns” in the legend of Figure 1.

Reply: We have indicated.

2) Figure 2: There is no \*\* in Figure 2, but you indicated it in the legend.

Reply: We have deleted.

3) Figure 2B-C legends don't match with Figure 2B-C.

Figure 2. The Expression of *GUF1*, *EFTUD2*, *GSPT1* and *GSPT2* in GC (GEPIA, TCGA)

A: scatter diagram; B: The Expression of *GUF1*, *EFTUD2*, *GSPT1* and *GSPT2* in GC (IHC); C: box plot; Red: cancer samples; Green: normal samples; D: The expression level in GC (TCGA); \*  $P <$

Reply: We have modified.

4) Figure 2C: Please indicate the staining method in the legend.

Reply: We have modified.

5) Please indicate the meaning of \* in Figure 7D-F legend.

Reply: We have modified.

6) Please indicate the staining method in Figure 8 legend.

Reply: We have modified.

7) Please add a unit to Age in Table 3.

Reply: We have modified.