Responses to the Editorial comments:

Editorial comments:

1. The editor has formatted the manuscript to match the journal's style. Please retain the same.

**# Response: We retained the format made in the manuscript.**

2. Please address specific comments marked in the manuscript.

**# Response: We addressed the specific comments as follows:**

Comment[1]: We agree with this comment.

Comment[2]: We agree with this comment.

Comment[3]: We agree with this comment.

Comment[4]: The word 'female' was removed. The word 'pass' was replaced by 'smash'.

Comment[5]: The word 'in the tissue' was added.

Comment[6]: The word 'tissue' was added.

Comment[7]: A step describing RNA quantitation was added as step 2.9.

Comment[8]: We explained about the human sample in Note, line 169-171.

Comment[9]: The words 'Illumina index primers' were changed to 'index sequence primers'.

Comment[10]: The step was expanded to explain this procedure (3.3.1 - 3.3.4 ).

Comment[11]: The number of immunoglobulin classes amplified and the yields were explained in the Notes added.

Comment[12]: The step was explained further.

Comment[13]: The explanation was expanded.

Comment[14]: The step was explained further.

Comment[15]: We understand this comment.

Comment[16]: Table 2 (signature sequences) was referred.

Comment[17]: IgBLAST was referred.

Comment[18]: Some troubleshooting and limitations were added.

3. We cannot film scripting steps. We can film steps involving graphical user interface, button clicks, knob turns, discrete experimental steps only.

**# Response: We understand this and changed the highlighted part in the manuscript.**

4. if any of the figures are reused from previous publications, please obtain explicit copyright permission and upload it to your editorial manager account.

**# Response: We obtained the explicit copyright permission for the Figure 1 and 2.**

5. Please reword lines 444 and line 446-447 as it matches with the previously published literature.

**# Response: The lines 444 and line 446-447 were reworded.**