

Dear Reviewers,

Thank you again for your positive comments and valuable suggestions to improve the quality of our manuscript. According to your nice suggestions, we have made extensive corrections to our previous draft, the detailed corrections are listed below.

1. As suggested by the reviewer, we have further polished our article by Filipodia. And we hope the revised manuscript could be acceptable for you.
2. We have added the suggested content to revised the abbreviation of Glioblastoma as GB, and Primary Spinal Cord as PSC. The details of pathological pictures and Figure 1 have changed as you suggested. All the subfigure marks have been standardized.
3. We think this is an excellent suggestion. We have mentioned Table 1 in the main text to make a better understanding for readers.
4. As suggested by the reviewer, we have rewritten the sentences at the end of Discussion as "More effective and targeted therapies need specific investigation in the future for helping patients with unique gene mutations achieve better prognosis. Further, broadening treatment avenues would help improve the efficacy of therapies and help in recovery for these patients." And it can better illustrate our meaning.
5. We were really sorry for our careless mistakes of duplicate spaces and format of reference 20. Thank you so much for your reminder.

Thank you so much for your suggestion and reminder.

Best regards,

Xinyu Liang, Yaoping Chen, Qiao Li, Zewang Zhou