

Dear Editorial support of *Solid Earth*

Thank you very much for accepting the paper. We appreciate the diligent work of editors, reviewers, and editorial board. Below, we have listed a little modifications made in the final submission file:

1. Figure 3 Caption and Acknowledgments:

In Figure 3's caption and the acknowledgments section, we have included a statement regarding JAMSTEC's cruise database (DARWIN).

2. Acknowledgments:

We have added acknowledgments to the reviewers and editors. Additionally, we corrected a typographical error in the acknowledgment section, changing "greatfully" to "gratefully."

3. Data Availability Section:

We have revised the Data Availability section to reflect that we have decided not to store the data in EarthChem. The updated statement is as follows: "The data newly analyzed in this study and results of geochemical modeling are included in digital format in the online data repository of this paper (Tables 1, 2, 3, and 4, and Supplementary Tables S1 to S6)."

Additional Notes:

The tables in the "Text_Mikuni_et_al" file are in Excel format, accessible by double-clicking for comprehensive content viewing.

Supplementary Tables are included in a zip file in spreadsheet format. This file contains the tables mentioned in the main text as well.

Thank you for your continued support.

Best regards,

Kazuto Mikuni