

Supplemental Material

Including Supplemental Material in Your Manuscript

<i>Category</i>	<i>Peer-Reviewed?</i>	<i>Cited in Text?</i>	<i>Published/Linked to?</i>	<i>Where it Appears</i>
<i>Supplemental Material</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Cited in text and listed in Supplemental Material section</i>
<i>Source Data</i>	<i>No</i>	<i>Yes</i>	<i>Yes</i>	<i>Cited in text and appears in Data Availability statement</i>
<i>Reviewer-Only Materials</i>	<i>Yes</i>	<i>No</i>	<i>No</i>	<i>Only for peer review, not published.</i>

Supplemental material includes figures, tables, or code that support your findings. It is peer-reviewed, must be cited in the text, and will be published with your article.

SUBMISSION PROCESS

- Submit your supplemental material as a PDF file with your initial submission. This material will be made available to reviewers along with your manuscript.
- If your paper is accepted, you must deposit your supplemental material in an [NIH Approved Repository](#) which will assign a Digital Object Identifier (DOI) to the deposited material, providing a permanent link for access. **The DOI link MUST be included in the final accepted manuscript before the proof process begins.**
- If reviewers recommend that portions of the manuscript be moved to supplemental material, include the supplemental material with your revision as a PDF. If accepted, you must follow the step above to provide a DOI link with your final accepted manuscript.

HOW TO USE DOI LINKS FOR SUPPLEMENTAL MATERIAL (AFTER MANUSCRIPT IS ACCEPTED)

A Digital Object Identifier (DOI) is a permanent, unique link that ensures long-term access to your supplemental material. Unlike regular URLs, DOIs do not break or change over time.

- **Where to deposit:** Upload supplemental material to a data repository that assigns DOIs.
- **Access during peer review:** Keep materials private during review using a PDF for initial submission.
- **Access after acceptance:** If accepted, links to supplemental material must be publicly available for the proof process. Use DOIs to ensure stable access.
- [Review our Supplemental Data Policy](#) for more information.

Citing Supplemental Material

You must reference all supplemental material in the main text. Examples:

- Supplemental Video S1
- Supplemental Table S1
- Supplemental Figures S1-S3

You should also provide a complete list of all cited supplemental material files, up to 10 figures, tables, videos, audio and computer code files, with DOI links under the heading “SUPPLEMENTAL MATERIAL” after the Discussion section. Example:

SUPPLEMENTAL MATERIAL

Supplemental Fig. S1: [DOI Link]

Supplemental Figs. S2 [DOI Link]

Supplemental Table S1 [DOI Link]

Materials and Methods should not be supplemental. All related methods must be included in the main text, even if protocols are cited elsewhere and linked to online resources. If you have methods that only relate to experiments presented exclusively in supplemental material files, then you may include those methods in your supplemental material files.

Data Availability Statements

Required: data availability and sharing statements. This will appear after the SUPPLEMENTAL MATERIAL section. Example:

Data Availability

Source data for this study are openly available at [insert DOI(s) and/or URL(s) with accession numbers].

Reviewer-Only Materials

Materials for reviewers (not published) should be uploaded as supporting files but not mentioned or cited in the manuscript. Examples include primary captures of complete immunoblots or preliminary data that help reviewers understand the manuscript.