

Original Research

## Article Title

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‡ These authors contributed equally to this work. (if any)

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### 2 Abstract

3 One paragraph within 350 words without citation. Please do not include  
4 any references in the Abstract.

5 **Keywords:** keyword 1; keyword 2; keyword 3; keyword 4; (\* at least 4, not  
6 exceed 8 keywords

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9 \* This is a template for Original Research article, which must include the following  
10 sections: Introduction, Results, Discussion, Methods. For instructions about other  
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## 12 1. Introduction

13 Main text [1].

## 14 2. Results

### 15 2.1 Subtitle

16 Main text [2,3].

#### 17 2.1.1 Subsubtitle

18 Main text [4–6].

#### 19 2.1.2 Subsubtitle

20 Main text.

21 **2.2 Subtitle**

22 Main text.

23 This is an example of equation:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \tag{1}$$

24 *2.2.1 The first type table*

**Table 1 Table caption. Tables should be placed in the main text near to the first time they are cited**

Title 1	Title 2	Title 3	Title 4	Title 5	Title 1	Title 2	Title 3	Title 4	Title 5
Entry 1	data								
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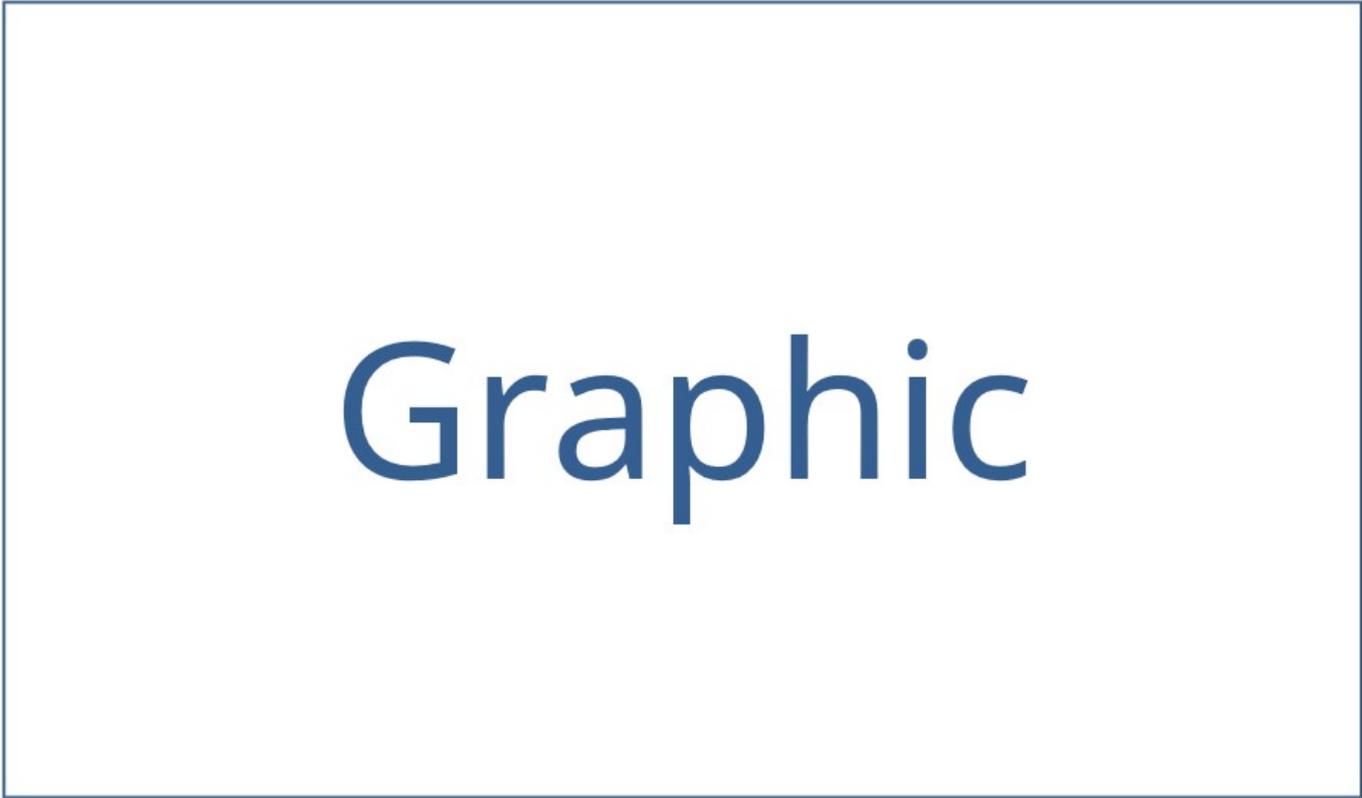
25 *2.2.2 The second type table*

**Table 2 Table caption.**

Title 1	Title 2	Title 3	Title 4	Title 5
Entry 1	data	data	data	data
Entry 2	data	data	data	data



**Figure 1 Figure caption. Figures should be placed in the main text near to the first time they are cited.**



# Graphic

Figure 2 Figure caption.

26 **3. Discussion**

27 Main text.

28 **4. Conclusions (optional)**

29 Main text.

30 **5. Methods**

31 Main text.

32 **Supplementary Materials**

33 The following supplementary materials are available on the website of this paper:

34 1. Non-Sentence Title of material 1. (e.g., Figure S1: Title).

35 2. Non-Sentence Title of material 2. (e.g., Table S1: Title).

36 3. Non-Sentence Title of material 3. (e.g., Video S1: Title).

37 **Abbreviations**

38 The following abbreviations are used in this manuscript:

HIV Human immunodeficiency viruses  
39 PAH Pulmonary arterial hypertension  
mTOR Mechanistic target of rapamycin

## 40 **Declarations**

### 41 **Ethics Statement**

42 If your work involves live subjects (human or animal), you must provide an appropriate ethical statement when submitting your manuscript.

44 Examples:

- 45 1. Ethical approval for this study was obtained from "Name of Ethics Committee  
46 or Institutional Review Board (Approval Number/ID)".
- 47 2. Ethical approval for this study was waived by "Name of Ethics Committee or  
48 Institutional Review Board" because "Reason for Waiver".
- 49 3. Ethical approval was not sought for the present study because "Reason".
- 50 4. The "Institutional Review Board" determined that the protocol is considered  
51 exempt because "Reason" on "Date".
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53 "reason".

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55 in this section.

56 Refer to [Guidelines for Authors](#) for more details of Research Ethics.

### 57 **Consent for Publication**

58 State that the informed consent for the publication of this study from the concerned individual has been obtained.

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### 62 **Availability of Data and Material**

63 State the source where the data supporting the findings are available. Authors who are unable to share their data must state that the data will not be shared, and specify the reason accordingly.

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### 67 **Funding**

68 State the organization(s) or foundation(s) that funded this research.

<b>Data availability status</b>	<b>Recommended Data Availability Statement</b>
Data available in a publicly accessible repository	The original data presented in the study are openly available in [repository name, e.g., FigShare] at [DOI/URL] or [reference/accession number].
Data available on request due to restrictions (e.g., privacy, legal or ethical reasons)	The data presented in this study are available on request from the corresponding author due to (specify the reason for the restriction).
3rd Party Data	Restrictions apply to the availability of these data. Data were obtained from [third party] and are available [from the authors/at URL] with the permission of [third party].
Embargo on data due to commercial restrictions	The data that support the findings will be available in [repository name] at [URL / DOI link] following an embargo from the date of publication to allow for commercialization of research findings.
Restrictions apply to the datasets	The datasets presented in this article are not readily available because [include reason, e.g., the data are part of an ongoing study or due to technical/ time limitations]. Requests to access the datasets should be directed to [text input].
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Data sharing is not applicable (only appropriate if no new data is generated or the article describes entirely theoretical research)	No new data were created or analyzed in this study. Data sharing is not applicable to this article
Data is contained within the article or supplementary material	The original contributions presented in the study are included in the article/supplementary material, further inquiries can be directed to the corresponding author/s.
Dataset available on request from the authors	The raw data supporting the conclusions of this article will be made available by the authors on request.

### 69 **Competing Interests**

70 Declare competing interests here if any, or state "The authors have declared that  
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72 For example:

73 "Author" is a member of the Editorial Board of the journal Human Population  
74 Genetics and Genomics. The author was not involved in the journal's review of  
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### 77 **Author Contributions**

78 For research articles with several authors, please specify each author's contribu-  
79 tion to this work respectively using the following statements:

80 Conceptualization: X.X. and Y.Y.; Methodology: X.X.; Software: X.X.; Validation:  
81 X.X., Y.Y. and Z.Z.; Formal Analysis: X.X.; Investigation: X.X.; Resources: X.X.;  
82 Data Curation: X.X.; Writing – Original Draft: X.X.; Writing – Review & Editing:  
83 X.X.; Visualization: X.X.; Supervision: X.X.; Project Administration: X.X.; Funding  
84 Acquisition: Y.Y.

Term	Definition
Conceptualization	Ideas; formulation or evolution of overarching research goals and aims
Methodology	Development or design of methodology; creation of models
Software	Programming, software development; designing computer programs; implementation of the computer code and supporting algorithms; testing of existing code components
Validation	Verification, whether as a part of the activity or separate, of the overall replication/ reproducibility of results/experiments and other research outputs
Formal analysis	Application of statistical, mathematical, computational, or other formal techniques to analyze or synthesize study data
Investigation	Conducting a research and investigation process, specifically performing the experiments, or data/evidence collection
Resources	Provision of study materials, reagents, materials, patients, laboratory samples, animals, instrumentation, computing resources, or other analysis tools
Data Curation	Management activities to annotate (produce metadata), scrub data and maintain research data (including software code, where it is necessary for interpreting the data itself) for initial use and later reuse
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Writing - Review & Editing	Preparation, creation and/or presentation of the published work by those from the original research group, specifically critical review, commentary or revision – including pre-or postpublication stages
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Supervision	Oversight and leadership responsibility for the research activity planning and execution, including mentorship external to the core team
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<sup>87</sup> work, excluding fund provider.

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<sup>94</sup> revised manuscript.

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## References

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