Genome variation and population structure in three African malaria vector species within the *Anopheles gambiae* complex

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## Abstract

This manuscript is a template (aka “rootstock”) for [Manubot](https://manubot.org/), a tool for writing scholarly manuscripts. Use this template as a starting point for your manuscript.

The rest of this document is a full list of formatting elements/features supported by Manubot. Compare the input (.md files in the /content directory) to the output you see below.

## Basic formatting

**Bold** **text**

Semi-bold text

Centered text

Right-aligned text

*Italic* *text*

Combined *italics and* ***bold***

~~Strikethrough~~

1. Ordered list item
2. Ordered list item
   1. Sub-item
   2. Sub-item
      1. Sub-sub-item
3. Ordered list item
   1. Sub-item

* List item
* List item
* List item

subscript: H2O is a liquid

superscript: 210 is 1024.

[unicode superscripts](https://www.google.com/search?q=superscript+generator)⁰¹²³⁴⁵⁶⁷⁸⁹

[unicode subscripts](https://www.google.com/search?q=superscript+generator)₀₁₂₃₄₅₆₇₈₉

A long paragraph of text. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Putting each sentence on its own line has numerous benefits with regard to [editing](https://asciidoctor.org/docs/asciidoc-recommended-practices/#one-sentence-per-line) and [version control](https://rhodesmill.org/brandon/2012/one-sentence-per-line/).

Line break without starting a new paragraph by putting  
two spaces at end of line.

## Document organization

Document section headings:

# Heading 1

## Heading 2

### Heading 3

#### Heading 4

### A heading centered on its own printed page

Horizontal rule:

Heading 1’s are recommended to be reserved for the title of the manuscript.

Heading 2’s are recommended for broad sections such as *Abstract*, *Methods*, *Conclusion*, etc.

Heading 3’s and Heading 4’s are recommended for sub-sections.

## Links

Bare URL link: <https://manubot.org>

[Long link with lots of words and stuff and junk and bleep and blah and stuff and other stuff and more stuff yeah](https://manubot.org)

[Link with text](https://manubot.org)

[Link with hover text](https://manubot.org)

[Link by reference](https://manubot.org)

## Citations

Citation by DOI [[1](#ref-IhliSZDo)].

Citation by PubMed Central ID [[2](#ref-mSMVRkoc)].

Citation by PubMed ID [[3](#ref-126Wi5Us4)].

Citation by Wikidata ID [[4](#ref-QhC8yJ7V)].

Citation by ISBN [[5](#ref-zBPP9YKu)].

Citation by URL [[6](#ref-6acIRW4q)].

Citation by alias [[7](#ref-PZMP42Ak)].

Multiple citations can be put inside the same set of brackets [[1](#ref-IhliSZDo),[5](#ref-zBPP9YKu),[7](#ref-PZMP42Ak)]. Manubot plugins provide easier, more convenient visualization of and navigation between citations [[2](#ref-mSMVRkoc),[3](#ref-126Wi5Us4),[7](#ref-PZMP42Ak),[8](#ref-YuJbg3zO)].

Citation tags (i.e. aliases) can be defined in their own paragraphs using Markdown’s reference link syntax:

## Referencing figures, tables, equations

Figure [1](#fig:square-image)

Figure [2](#fig:wide-image)

Figure [3](#fig:tall-image)

Figure [4](#fig:vector-image)

Table [1](#tbl:bowling-scores)

Equation [1](#eq:regular-equation)

Equation [2](#eq:long-equation)

## Quotes and code

Quoted text

Quoted block of text

Two roads diverged in a wood, and I—  
I took the one less traveled by,  
And that has made all the difference.

Code in the middle of normal text, aka inline code.

Code block with Python syntax highlighting:

from manubot.cite.doi import expand\_short\_doi  
  
def test\_expand\_short\_doi():  
 doi = expand\_short\_doi("10/c3bp")  
 # a string too long to fit within page:  
 assert doi == "10.25313/2524-2695-2018-3-vliyanie-enhansera-copia-i-insulyatora-gypsy-na-sintez-ernk-modifikatsii-hromatina-i-svyazyvanie-insulyatornyh-belkov-vtransfetsirovannyh-geneticheskih-konstruktsiyah"

Code block with no syntax highlighting:

Exporting HTML manuscript  
Exporting DOCX manuscript  
Exporting PDF manuscript

## Figures



Figure 1: **A square image at actual size and with a bottom caption.** Loaded from the latest version of image on GitHub.



Figure 2: **An image too wide to fit within page at full size.** Loaded from a specific (hashed) version of the image on GitHub.



Figure 3: **A tall image with a specified height.** Loaded from a specific (hashed) version of the image on GitHub.

Figure 4: A vector .svg image loaded from GitHub. The parameter sanitize=true is necessary to properly load SVGs hosted via GitHub URLs. White background specified to serve as a backdrop for transparent sections of the image.

Figure 4: **A vector .svg image loaded from GitHub.** The parameter sanitize=true is necessary to properly load SVGs hosted via GitHub URLs. White background specified to serve as a backdrop for transparent sections of the image.

## Tables

Table 1: A table with a top caption and specified relative column widths.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Bowling Scores* | Jane | John | Alice | Bob |
| Game 1 | 150 | 187 | 210 | 105 |
| Game 2 | 98 | 202 | 197 | 102 |
| Game 3 | 123 | 180 | 238 | 134 |

Table 2: A table too wide to fit within page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Digits 1-33 | Digits 34-66 | Digits 67-99 | Ref. |
| pi | 3.14159265358979323846264338327950 | 288419716939937510582097494459230 | 781640628620899862803482534211706 | [piday.org](https://www.piday.org/million/) |
| e | 2.71828182845904523536028747135266 | 249775724709369995957496696762772 | 407663035354759457138217852516642 | [nasa.gov](https://apod.nasa.gov/htmltest/gifcity/e.2mil) |

Table 3: A table with merged cells using the attributes plugin.

|  |  |  |
| --- | --- | --- |
|  | **Colors** |  |
| **Size** | **Text Color** | **Background Color** |
| big | blue | orange |
| small | black | white |

## Equations

A LaTeX equation:

An equation too long to fit within page:

## Special

WARNING *The following features are only supported and intended for .html and .pdf exports.* *Journals are not likely to support them, and they may not display correctly when converted to other formats such as .docx.*

[Link styled as a button](https://manubot.org)

Adding arbitrary HTML attributes to an element using Pandoc’s attribute syntax:

Manubot Manubot Manubot Manubot Manubot. Manubot Manubot Manubot Manubot. Manubot Manubot Manubot. Manubot Manubot. Manubot.

Adding arbitrary HTML attributes to an element with the Manubot attributes plugin (more flexible than Pandoc’s method in terms of which elements you can add attributes to):

Manubot Manubot Manubot Manubot Manubot. Manubot Manubot Manubot Manubot. Manubot Manubot Manubot. Manubot Manubot. Manubot.

Available background colors for text, images, code, banners, etc:

white lightgrey grey darkgrey black lightred lightyellow lightgreen lightblue lightpurple red orange yellow green blue purple

Using the [Font Awesome](https://fontawesome.com/) icon set:

**Light Grey Banner** useful for *general information* - [manubot.org](https://manubot.org/)

**Blue Banner** useful for *important information* - [manubot.org](https://manubot.org/)

**Light Red Banner** useful for *warnings* - [manubot.org](https://manubot.org/)

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