

This is the title

Firstname Middlename Surname^{1*}, Firstname Middlename Familyname^{1,2†§},
Firstname Initials Surname^{2†¶}, Firstname Surname^{2*}

***For correspondence:**

email1@example.com (FMS);

email2@example.com (FS)

¹ Institution 1; ² Institution 2

[†]These authors contributed equally to this work

[‡]These authors also contributed equally to this work

Present address: [§]Department, Institute, Country; [¶]Department, Institute, Country

Abstract Please provide an abstract of no more than 150 words. Your abstract should explain the main contributions of your article, and should not contain any material that is not included in the main text.

Introduction (Level 1 heading)

Thanks for using Overleaf to write your article. Your introduction goes here! Some examples of commonly used commands and features are listed below, to help you get started.

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Results (Level 1 heading)

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Level 2 Heading

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Table 1. Automobile Land Speed Records (GR 5-10).

Speed (mph)	Driver	Car	Engine	Date
407.447	Craig Breedlove	Spirit of America	GE J47	8/5/63
413.199	Tom Green	Wingfoot Express	WE J46	10/2/64
434.22	Art Arfons	Green Monster	GE J79	10/5/64
468.719	Craig Breedlove	Spirit of America	GE J79	10/13/64
526.277	Craig Breedlove	Spirit of America	GE J79	10/15/65
536.712	Art Arfons	Green Monster	GE J79	10/27/65
555.127	Craig Breedlove	Spirit of America, Sonic 1	GE J79	11/2/65
576.553	Art Arfons	Green Monster	GE J79	11/7/65
600.601	Craig Breedlove	Spirit of America, Sonic 1	GE J79	11/15/65
622.407	Gary Gabelich	Blue Flame	Rocket	10/23/70
633.468	Richard Noble	Thrust 2	RR RG 146	10/4/83
763.035	Andy Green	Thrust SSC	RR Spey	10/15/97

Source: https://www.sedl.org/afterschool/toolkits/science/pdf/ast_sci_data_tables_sample.pdf

Table 1-source data 1. This is a description of a data source.

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Level 3 Heading

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Level 4 Heading

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Discussion

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Methods and Materials

Guidelines can be included for standard research article sections, such as this one.

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Some \LaTeX Examples

Use section and subsection commands to organize your document. \LaTeX handles all the formatting and numbering automatically. Use ref and label commands for cross-references.

Figures and Tables

Use the table and tabular commands for basic tables — see [Table 1](#), for example.

You can upload a figure (JPEG, PNG or PDF) using the project menu. To include it in your document, use the `\includegraphics` command as in the code for [Figure 3](#).

For a half-width figure or table with text wrapping around it, use

```
\begin{wrapfigure}{l}{.46\textwidth}
  \includegraphics[width=\hsize]{...}
  \caption{...}\label{...}
\end{wrapfigure}
```

as in [Figure 1](#). For tables:

```
\begin{wraptable}{l}{.46\textwidth}{
  \begin{tabular}{...}
  ...
  \end{tabular}}
  \caption{...}\label{...}
\end{wraptable}
```

Be careful with these, though, as they may behave strangely near page boundaries, sectional headings, or in the neighbourhood of lists or too many floats.

If you use the following prefixes for your `\label`:

Figures `fig:`, e.g. `\label{fig:view}`

Tables `tab:`, e.g. `\label{tab:example}`

Equations `eq:`, e.g. `\label{eq:CLT}`

Boxes `box:`, e.g. `\label{box:simple}`

you can then use the convenience commands `\FIG{view}`, `\TABLE{example}`, `\EQ{CLT}` and `\BOX{simple}` without the label prefixes, to generate cross-references [Figure 3](#), [Table 1](#), [Equation 1](#) and [Box 1](#). Alternatively, use `\autoref` with the full label, e.g. [Appendix 1](#) (although this may not work correctly for figures and tables in the appendices or boxes nor supplements at present).

Really wide figures or tables, that take up the entire page, including the gutter space: use `\begin{fullwidth}... \end{fullwidth}` as in [Figure 2](#). And sometimes you may want to use feature boxes like [Box 1](#).



Figure 1. A half-columnwidth image using `wrapfigure`, to be used sparingly. Note that using a `wrapfigure` before a sectional heading, near other floats or page boundaries is not recommended, as it may cause interesting layout issues. Use the optional argument to `wrapfigure` to control how many lines of text should be set half-width alongside it.

Some filler text to sit alongside the half-width figure. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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Citations

LaTeX formats citations and references automatically using the bibliography records in your .bib file, which you can edit via the project menu. Use the `\cite` command for an inline citation, like *Aivazian et al. (2006)*, and the `\citep` command for a citation in parentheses (*Aivazian et al., 2006*). The LaTeX template uses a slightly-modified Vancouver bibliography style.

Mathematics

LaTeX is great at typesetting mathematics. Let X_1, X_2, \dots, X_n be a sequence of independent and identically distributed random variables with $E[X_i] = \mu$ and $\text{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \dots + X_n}{n} = \frac{1}{n} \sum_i^n X_i \quad (1)$$

denote their mean. Then as n approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution to a normal $\mathcal{N}(0, \sigma^2)$.

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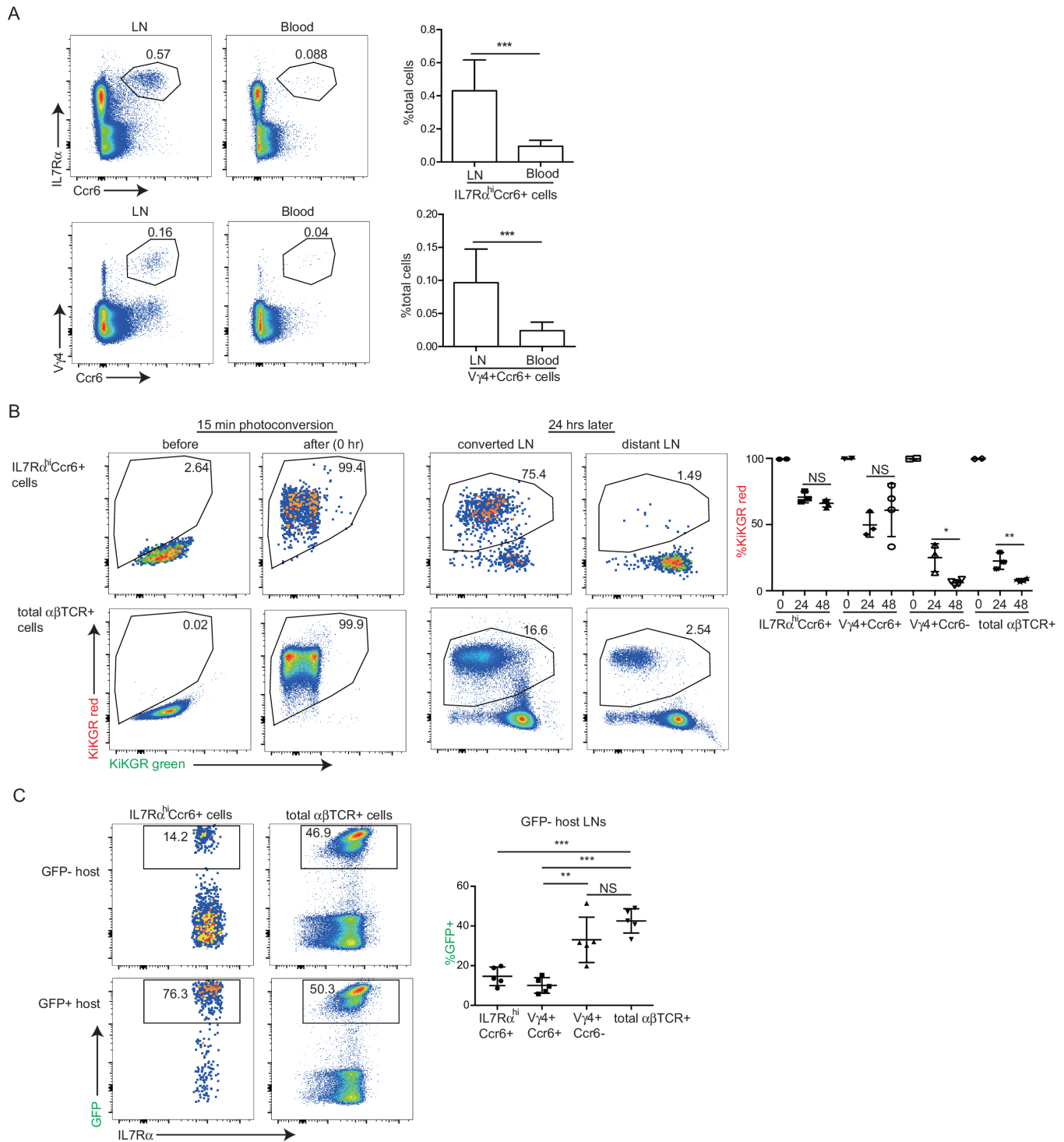


Figure 2. A very wide figure that takes up the entire page, including the gutter space.

Figure 2-Figure supplement 1. There is no limit on the number of Figure Supplements for any one primary figure. Each figure supplement should be clearly labelled, Figure 1-Figure Supplement 1, Figure 1-Figure Supplement 2, Figure 2-Figure Supplement 1 and so on, and have a short title (and optional legend). Figure Supplements should be referred to in the legend of the associated primary figure, and should also be listed at the end of the article text file.

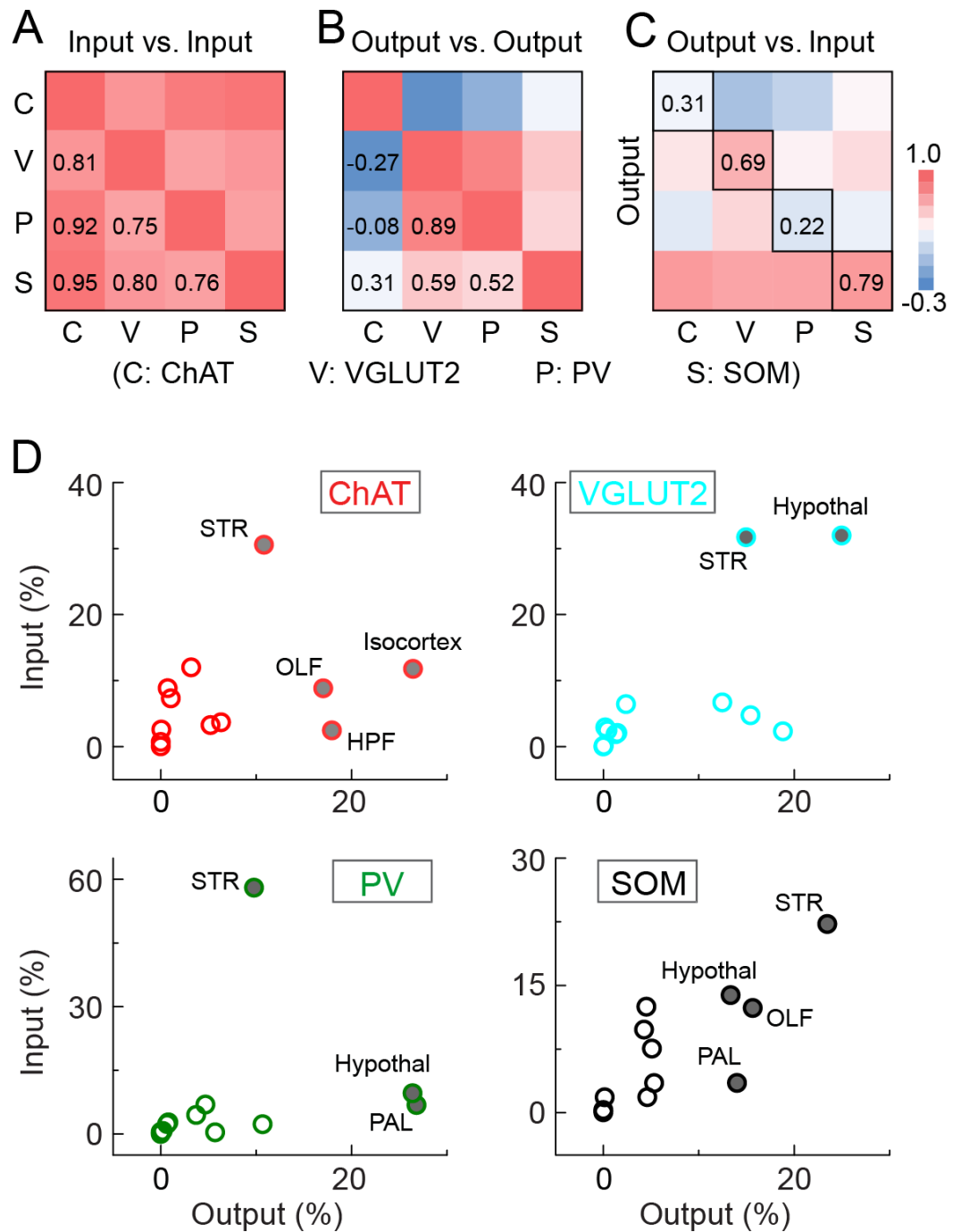


Figure 3. A text-width example.

Figure 3-Figure supplement 1. Shorter caption for main text.

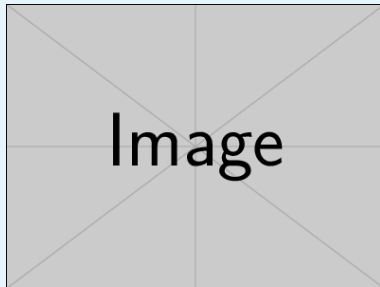
Figure 3-Figure supplement 2. This is another supplementary figure.

Figure 3-source data 1. This is a description of a data source.

Figure 3-source data 2. This is another description of a data source.

Box 1. This is an example feature box

This is a feature box. It floats!



Box 1 Figure 1. ‘Figure’ and ‘table’ captions in feature boxes should be entered with `\featurefig` and `\featuretable`. They’re not really floats.

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Other Chemistry Niceties

You can use commands from the `mhchem` and `siunitx` packages. For example: $\text{C}_{32}\text{H}_{64}\text{NO}_7\text{S}$; $5\text{ }\mu\text{m}$; $30\text{ }^\circ\text{C}$; $5 \times 10^{-17}\text{ M}$

Lists

You can make lists with automatic numbering ...

1. Like this,
2. and like this.

...or bullet points ...

- Like this,
- and like this.

...or with words and descriptions ...

Word Definition

Concept Explanation

Idea Text

Some filler text, because empty templates look really poorly. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean

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Acknowledgments

Additional information can be given in the template, such as to not include funder information in the acknowledgments section.

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Appendix 1

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Appendix 1 Figure 1. This is a figure in the appendix

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Appendix 1 Figure 2. This is a figure in the appendix

Appendix 2



Appendix 2 Figure 1. This is a figure in the appendix



Figure 2–Figure supplement 1. There is no limit on the number of Figure Supplements for any one primary figure. Each figure supplement should be clearly labelled, Figure 1–Figure Supplement 1, Figure 1–Figure Supplement 2, Figure 2–Figure Supplement 1 and so on, and have a short title (and optional legend). Figure Supplements should be referred to in the legend of the associated primary figure, and should also be listed at the end of the article text file.



Figure 3–Figure supplement 1. This is a supplementary figure’s full caption, which will be used at the end of the manuscript.

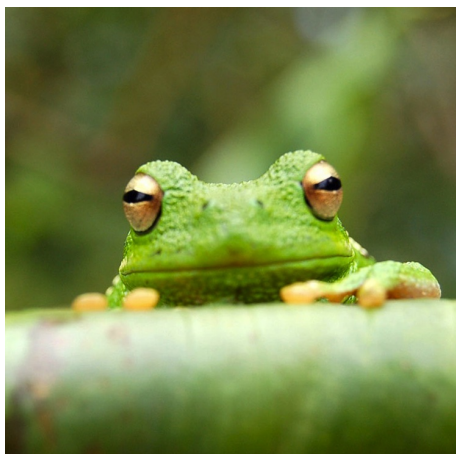


Figure 3–Figure supplement 2. This is another supplementary figure.