

# Example article title

Nathan C. Sheffield<sup>1,2,3,4,✉</sup>

<sup>1</sup>Center for Public Health Genomics, University of Virginia

<sup>2</sup>Department of Public Health Sciences, University of Virginia

<sup>3</sup>Department of Biomedical Engineering, University of Virginia

<sup>4</sup>Department of Biochemistry and Molecular Genetics, University of Virginia

✉ Correspondence: [nsheffield@virginia.edu](mailto:nsheffield@virginia.edu)

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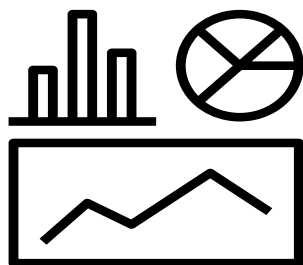


Fig. 1: Example full-width figure

## Citations

Cite papers using brackets and bibtex keys. Example citation: `[@Sheffield2016]` will be rendered like this [1]. Use semicolons to separate multiple citations [1, 2]. In line citations use the same syntax, without brackets, like `@Sheffield2016`; they are rendered like this: [1] reported blah blah blah.

[1] says blah.

## Highlights

Duis in tempor mauris, a lobortis nisl.

## Figures

Refer to a figure using figure labels, so they are numbered automatically, like this: `\ref{abstract}` (See Fig. 1). Wrap a figure using the `pandoc-wrapfig` extension by adding `{0}` to the end of the caption (Fig. 2).

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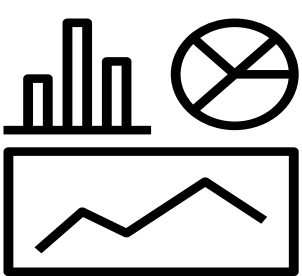


Fig. 2: Example wrapped figure

## Tables

### One-column table

Flag	Indication
1	CONTENT-ALL-A-IN-B
2	CONTENT-ALL-B-IN-A
4	LENGTHS-ALL-A-IN-B
8	LENGTHS-ALL-B-IN-A
16	NAMES-ALL-A-IN-B
32	NAMES-ALL-B-IN-A
64	CONTENT-A-ORDER
128	CONTENT-B-ORDER

Table 1: *Compatibility flags* Parameter combinations used in the analysis and their results.

### A two-column table

You can do a two-column table using the `\begin{table*}` environment. See Table 2.

### Markdown tables

You can use markdown tables, too... sort of. Pandoc renders markdown tables with the `longtable` package. But `longtable` is not compatible with a two-column template.



Fig. 3: Example double-column figure

parameter set	add	drop	shift	Jaccard mean	Coverage mean	Euclidean mean	Cosine mean
add1	0.1	0.0	0.0	0.909	0.981	0.939	0.988
add2	0.2	0.0	0.0	0.833	0.964	0.914	0.977
add3	0.3	0.0	0.0	0.769	0.951	0.895	0.966
drop1	0.0	0.1	0.0	0.900	0.950	0.883	0.954
drop2	0.0	0.2	0.0	0.800	0.900	0.834	0.905
drop3	0.0	0.3	0.0	0.700	0.850	0.796	0.852
shift1	0.0	0.0	0.2	0.941	0.902	0.979	0.998
shift2	0.0	0.0	0.5	0.860	0.756	0.966	0.996
shift3	0.0	0.0	0.8	0.785	0.610	0.957	0.994
add_drop1	0.1	0.1	0.0	0.942	0.933	0.874	0.946
add_drop2	0.1	0.2	0.0	0.840	0.886	0.831	0.901
add_drop3	0.1	0.3	0.0	0.737	0.838	0.795	0.852
add_drop4	0.2	0.1	0.0	0.783	0.920	0.865	0.939
add_drop5	0.2	0.2	0.0	0.878	0.886	0.827	0.898
add_drop6	0.2	0.3	0.0	0.772	0.828	0.795	0.852
add_drop7	0.3	0.1	0.0	0.736	0.910	0.857	0.932
add_drop8	0.3	0.2	0.0	0.693	0.867	0.824	0.894
add_drop9	0.3	0.3	0.0	0.807	0.828	0.795	0.851
shift_drop1	0.0	0.1	0.2	0.850	0.857	0.882	0.953
shift_drop2	0.0	0.1	0.5	0.779	0.718	0.879	0.950
shift_drop3	0.0	0.1	0.8	0.714	0.579	0.877	0.949
shift_drop4	0.0	0.2	0.2	0.758	0.812	0.833	0.904
shift_drop5	0.0	0.2	0.5	0.765	0.767	0.832	0.902
shift_drop6	0.0	0.2	0.8	0.642	0.548	0.830	0.900
shift_drop7	0.0	0.3	0.2	0.665	0.767	0.795	0.851
shift_drop8	0.0	0.3	0.5	0.615	0.643	0.794	0.849
shift_drop9	0.0	0.3	0.8	0.568	0.518	0.793	0.847

Table 2: Parameter combinations used in the analysis and their results.

So, there are a few hacks and workarounds, but nothing works really well. The best thing I have found works *sometimes* – but then occasionally it just gobbles up text and figures silently. So, I suggest using latex tables until this issue is solved:

<https://github.com/jgm/pandoc/issues/1023>

Another issue is that Captions are preceded by the *Table* keyword. Unfortunately, I can't figure out how to put the caption below the table (it's above it by default).

Finally, another issue is that longtable doesn't play nicely with floats, due to a bug:

<https://github.com/jgm/pandoc/issues/5557>

There's a patch... and I patched the sciquill docker image and it works for one-column docs at least.

## **Lorem ipsum**

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### Embedded LaTeX

You can insert latex in-line in the markdown document:  
 $rList[I_E] \leq q.start$

Or you can create separate environments like this:

#### Algorithm examples

These examples use the `algorithmic` environment (from the `algorithmcx` package:)

**Require:**  $n \geq 0$   
**Ensure:**  $y = x^n$

```
y ← 1
X ← x
N ← n
while N ≠ 0 do
  if N is even then
    X ← X × X
    N ←  $\frac{N}{2}$                                 ▷ This is a comment
  else if N is odd then
    y ← y × X
    N ← N - 1
  end if
end while
1: repeat                                ▷ forever
2:   this
3: until you die.
```

This example uses the `algorithm` environment:

---

#### Algorithm 1 Euclid’s algorithm

---

```
1: procedure EUCLID( $a, b$ )                ▷ The g.c.d. of a and b
2:    $r \leftarrow a \bmod b$ 
3:   while  $r \neq 0$  do                    ▷ We have the answer if r is 0
4:      $a \leftarrow b$ 
5:      $b \leftarrow r$ 
6:      $r \leftarrow a \bmod b$ 
7:   end while
8:   return b                             ▷ The gcd is b
9: end procedure
```

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### References

1. Sheffield NC, Bock C. LOLA: Enrichment analysis for genomic region sets and regulatory elements in R and Bioconductor. *Bioinformatics*. 2016;32:587–9. doi:10.1093/bioinformatics/btv612.
2. Sheffield NC, Nagraj V, Reuter V. simpleCache: R caching for reproducible, distributed, large-scale projects. *The Journal of Open Source Software*. 2018;3:463.