# Example article title

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## **Abstract**

Vivamus eu rhoncus neque. Quisque egestas venenatis odio a mattis. Ut ligula turpis, facilisis a cursus eget, semper quis dolor. Integer varius est ipsum, porttitor ornare eros placerat eget. Nulla aliquet nisi arcu, sed vestibulum urna faucibus pretium. Maecenas laoreet diam non urna tincidunt iaculis a ut ex. Aenean sem enim, laoreet id accumsan sed, faucibus vitae diam. Aenean facilisis tincidunt risus. Mauris sit amet hendrerit est, sit amet maximus augue.

#### Citations

Cite papers using brackets and bibtex keys. Example citation: [@Sheffield2016] will be rendered like this<sup>1</sup>. Use semicolons to separate multiple citations<sup>1,2</sup>.

# **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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Vivamus eu rhoncus neque. Quisque egestas venenatis odio a mattis. Ut ligula turpis, facilisis a cursus eget, semper quis dolor. Integer varius est ipsum, porttitor ornare eros placerat eget. Nulla aliquet nisi arcu, sed vestibu-



Fig. 2: Example wrapped figure

lum urna faucibus pretium. Maecenas laoreet diam non urna tincidunt iaculis a ut ex. Aenean sem enim,



Fig. 1: Example full-width figure



Fig. 3: Example double-column figure

laoreet id accumsan sed, faucibus vitae diam. Aenean facilisis tincidunt risus. Mauris sit amet hendrerit est, sit amet maximus augue.

#### **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 <code>longtable</code> package. But longtable is not compatible with a two-column template. 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 templates 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).

# Lorem ipsum

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parameter set	add	drop	shift	Jaccard mean	Coverage	Euclidean	Cosine mean
					mean	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.

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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 algorithmic package:)

```
Require: n > 0
Ensure: y = x^n
  u \Leftarrow 1
   X \Leftarrow x
   N \Leftarrow n
   while N \neq 0 do
       if N is even then
            X \Leftarrow X \times X
           N \Leftarrow \frac{N}{2}
                                                                                                               > This is a comment
       else if N is odd then
           y \Leftarrow y \times X
            N \Leftarrow 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)
2:
      r \leftarrow a \bmod b
      while r \neq 0 do
                                                                           b We have the answer if r is 0
3:
4:
         a \leftarrow b
5:
         b \leftarrow r
         r \leftarrow a \bmod b
6:
7:
      end while
      return b
                                                                                          9: end procedure
```

Maecenas vitae sodales est, venenatis ullamcorper magna. Integer id orci ut arcu venenatis mattis. Pellentesque eget risus non lectus interdum efficitur. In pharetra odio in tellus eleifend commodo. Morbi facilisis mauris ac eros gravida pretium. Nam sit amet nisi massa. Morbi at turpis in leo dictum suscipit. Ut interdum, orci sed laoreet venenatis, odio dui consectetur tortor, sit amet vulputate ipsum neque ac ante. Vivamus vitae mi interdum, dignissim leo lobortis, ultricies leo. Aenean facilisis sagittis urna in blandit. Sed sit amet consectetur purus. Mauris bibendum efficitur magna, vitae egestas lacus pretium dignissim. Nullam eu magna est. Suspendisse vel lobortis metus.

Suspendisse potenti. Donec gravida ut mauris vel scelerisque. Nullam gravida maximus porttitor. Duis dictum nisl sed neque tristique sodales. Maecenas lacinia dolor eget ligula volutpat maximus. Etiam placerat lobortis enim ut iaculis. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Fusce porta venenatis metus, vehicula sagittis ligula faucibus vel. Nunc nibh ipsum, vulputate sed bibendum non, euismod at sem. Praesent mi nulla, ornare vitae est a, euismod facilisis mauris.

Mauris a orci vehicula, aliquam orci in, cursus eros. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras semper vel enim eu dapibus. Maecenas placerat arcu nec metus tincidunt pharetra. Aenean rhoncus lacinia elit et cursus. Ut et metus vel augue sagittis volutpat quis nec nisi. Ut massa nisi, maximus vitae faucibus ut, eleifend ut odio.

Nam aliquam ex non accumsan efficitur. Nullam vehicula lorem vitae porttitor pellentesque. Fusce a tristique mi, sed congue velit. Nullam at ornare quam. Proin hendrerit accumsan ipsum, sed viverra velit vehicula sit amet. Donec non lectus diam. Sed condimentum non velit vel suscipit. Sed odio ex, vestibulum ullamcorper odio sit amet, lobortis accumsan risus. Nulla facilisi. Mauris eleifend viverra metus, ac varius lacus scelerisque non.

- 1. Sheffield, N. C. & Bock, C. LOLA: Enrichment analysis for genomic region sets and regulatory elements in R and Bioconductor. *Bioinformatics* **32**, 587–589 (2016).
- 2. Sheffield, N. C., Nagraj, V. & Reuter, V. simpleCache: R caching for reproducible, distributed, large-scale projects. *The Journal of Open Source Software* **3,** 463 (2018).