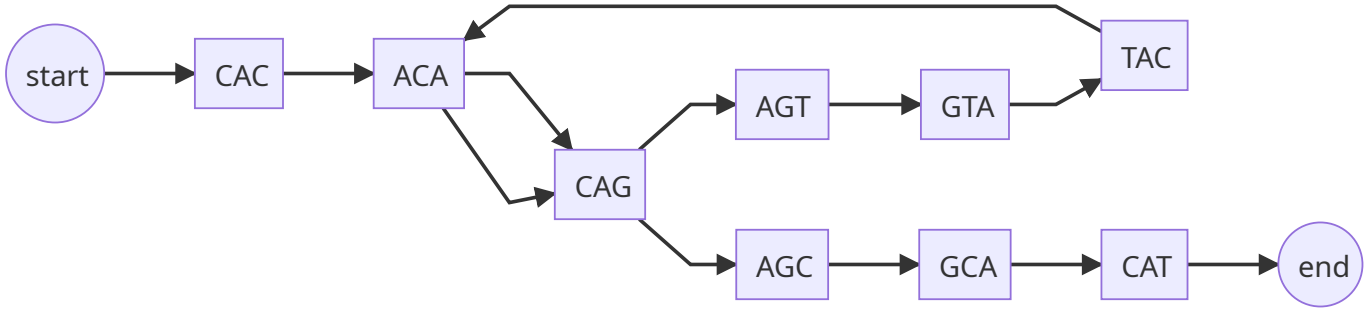
Project title



- Student: First Last
- Huttley lab, Australian National University
- Supervisors: Gavin Huttley

Australian National University

First slide

- start each slide with a top level heading (ie: # some heading)
- use `<!-- paginate: true -->` to turn on page numbers
- use `<!-- paginate: hold -->` to stop incrementing page numbers
- use a top level heading to create a new slide

First slide (cont'd)

- start each slide with a top level heading
- use `<!-- paginate: true -->` to turn on page numbers
- use `<!-- paginate: hold -->` to stop incrementing page numbers
- use a top level heading to create a new slide
- **Turning off pagination allows you to progressively build up a slide without incrementing the page number**

First slide (end)

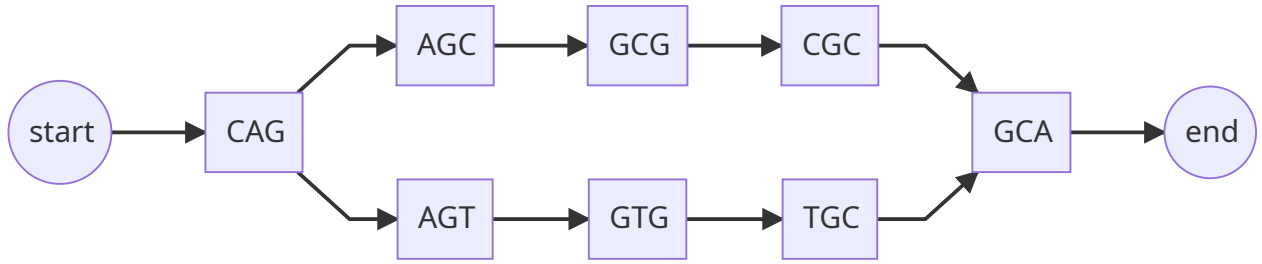
- start each slide with a top level heading after a blank line
- use `<!-- paginate: true -->` to turn on page numbers
- use `<!-- paginate: hold -->` to pause incrementing page numbers
- use a top level heading to create a new slide
- Turning off pagination allows you to progressively build up a slide without incrementing the page number
- **Usual markdown syntax applies**
  - *italics* `*italics*`
  - **bold** `**bold**`
  - links `[links](https://www.example.com)`
  - 

`![images](images/image.drawio.png)`

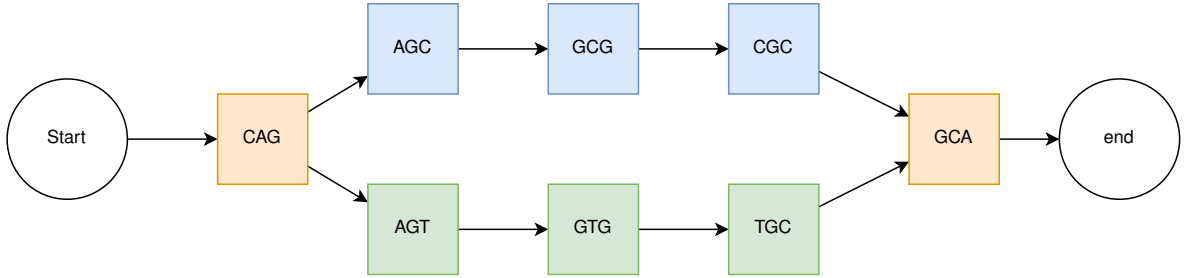
Second slide

- Use the draw.io extension to create diagrams and flowcharts
- Save the file with the extension `.drawio.svg` (vector based) or `.drawio.png` (raster based)
- you can display the image to the right of the text by using naming the image `bg right fit`

Embedded Mermaid diagram (double click to edit)



Native Draw.IO image



Python code

```python
def hello_world():
    print("Hello World")
```

```
def hello_world():
    print("Hello World")
```

Mermaid diagrams

Mermaid diagrams can be created in a div HTML tag of class mermaid

```
<div class="mermaid">
graph LR
  s((start))
  e((end))
  s-->CAC-->ACA-->CAG-->AGC-->GCA-->CAT-->e
  CAC-->ACG-->CGA-->GAG-->AGC
</div>
```

graph LR s((start)) e((end)) s-->CAC-->ACA-->CAG-->AGC-->GCA-->CAT-->e CAC-->ACG-->CGA-->GAG-->AGC

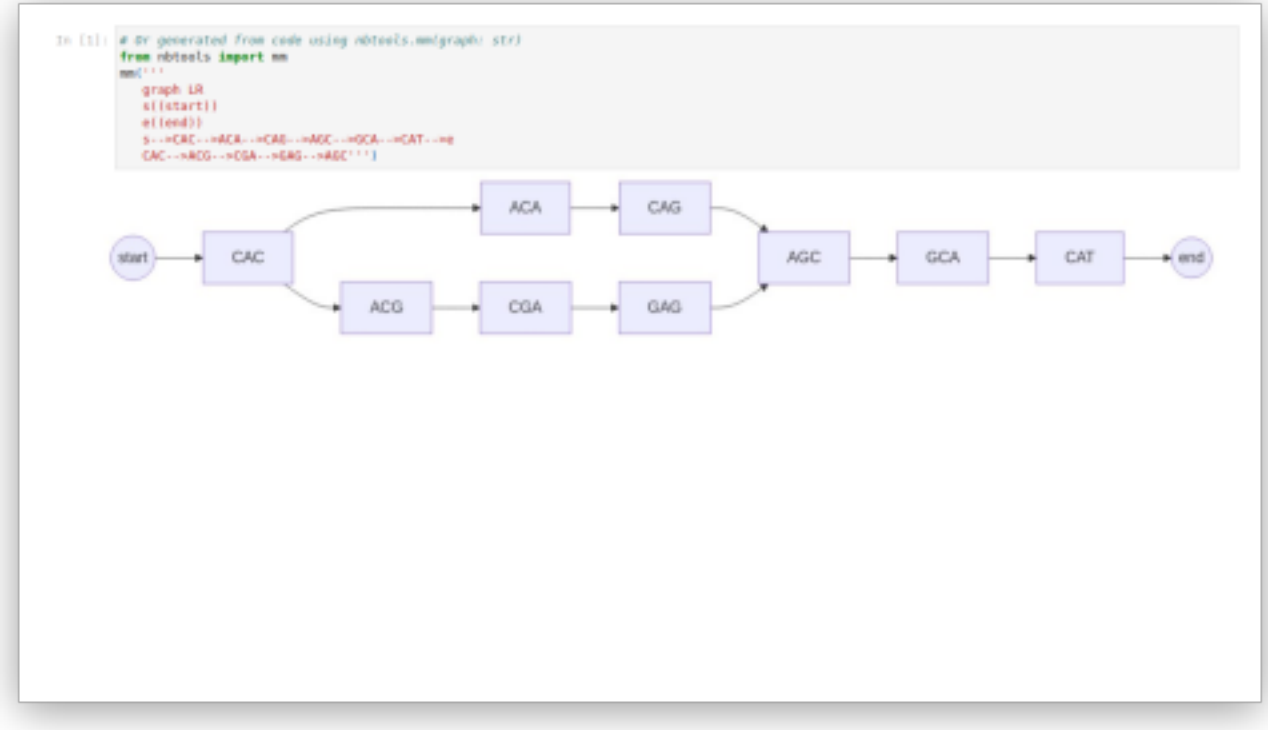
Notebook images

Turning notebook cells into slide images;

- pip install the library `slidetools`
- in a cell of the notebook add

```
import slidetools
slidetools.export_cell_to_img('notebook.ipynb', './images')
```

- When the cell is run it will save any cell tagged `export` in `notebook.ipynb` as an image in the images folder



KaTex math

$$\int_0^\infty x^2 dx$$

2 column layout

Left column

- item 1
- item 2
- item 3

Right column

- item 1
- item 2
- item 3

Tables

Seqence A	C	A	T	A	C	A	G	T	A	C	**G**	T	A	G	C	A	T
Seqence B	C	A	T	A	C	A	G	T	A	C	**T**	T	A	G	C	A	T

3 column layout

Column one

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.

Column two

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.

Column three

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.

Citations

- Use KaTex to create a subscript: `$_1$`
- add a `<!-- _footer: <sub>1</sub>"[citation](DOI url)" -->` to the end of the slide to add a hyperlinked citation
- eg: pairwise alignment was described by Needleman & Wunsch in 1970 [1]

[1] "Needleman & Wunsch, 1970 doi.org/10.1016/0022-2836(70)90057-4"

Thanks

- Gavin Huttley
- ...

... and the Huttleylab

Questions & Answers

Citations

- Needleman & Wunsch (1970), ‘A general method applicable to the search for similarities in the amino acid sequence of two proteins’ doi.org/10.1016/0022-2836(70)90057-4, 2010