

Today

Galaxy Introduction

Get familiar with Galaxy

- Upload data

- Run tools

- Perform analysis

Create workflow

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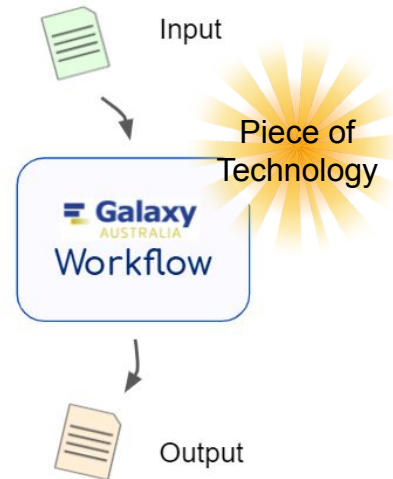
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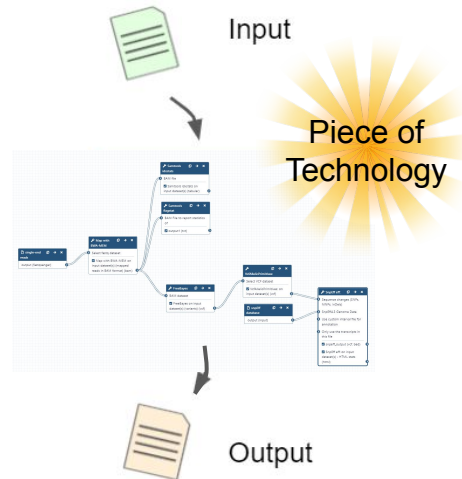
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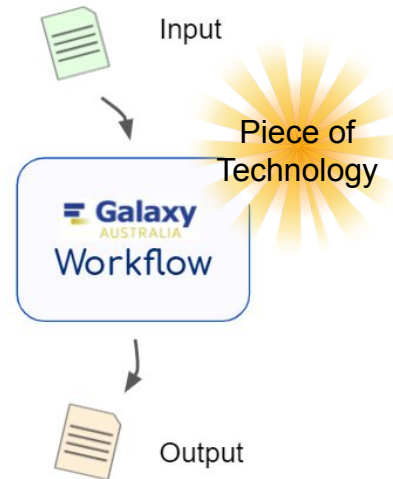
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Today

Breakout 1:

Login

Upload data

Data preprocessing (tools)

Breakout 2:

Run analysis (tools)

Breakout 3:

Convert analysis to workflow

Participants

Analysis	Count
RNAseq DE	11
RNAseq Transcriptome	2
Genome Assembly	3
Variant Calling	2
Metagenomics / Microbiomics	5
DNA Markers	3
Machine Learning	3

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AIM today:

Get comfortable with Galaxy so you can learn these areas using [GTN!](#)

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AIM today:

Get comfortable with Galaxy so you can learn these areas using [GTN!](#)

Get ready for other training sessions

Iris dataset



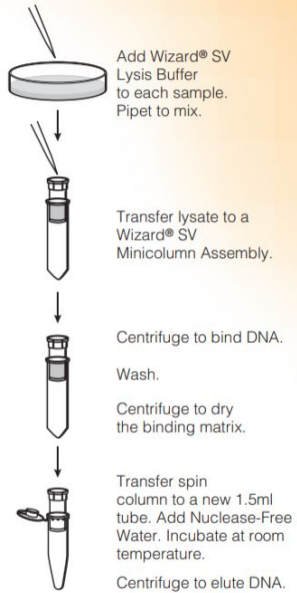
Ronald Fisher: 1936

- 50 samples of each species
- Sepal length, sepal width, petal length, petal width
- Classification problem

Workflows

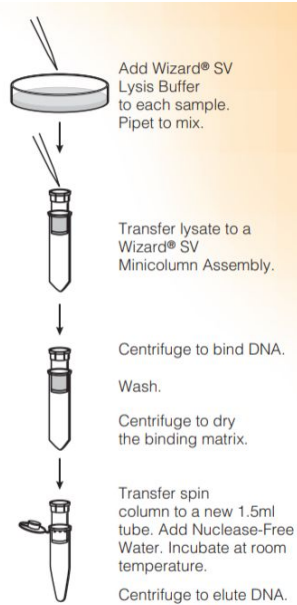
Protocol

wet-lab

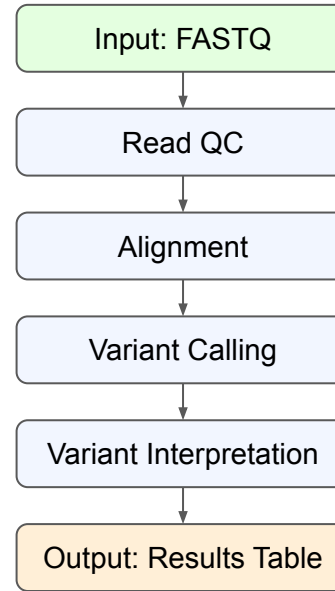


Protocol

wet-lab

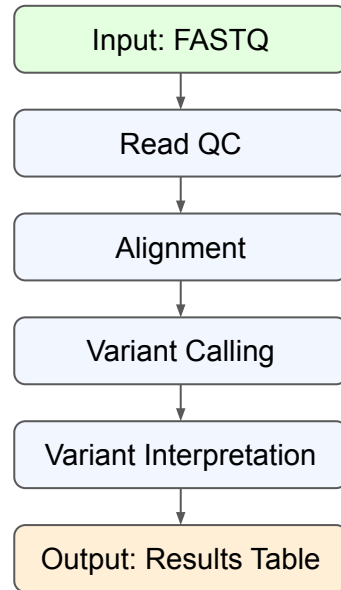


dry-lab

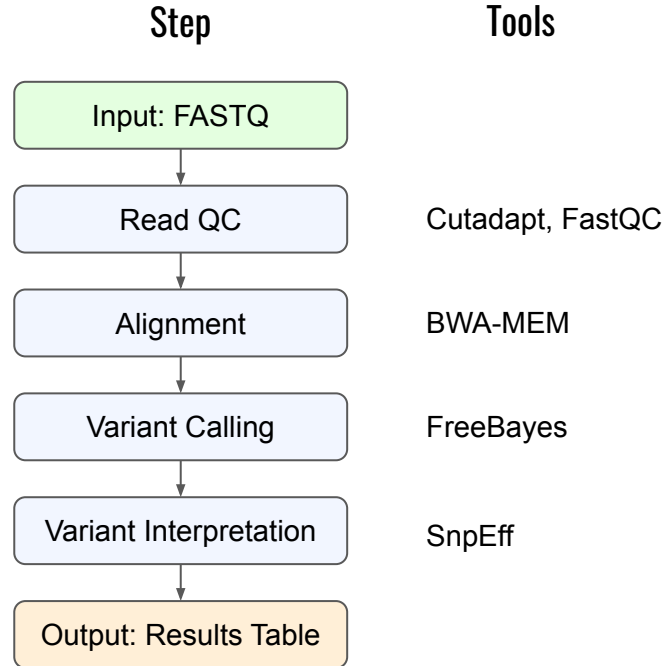


Protocol

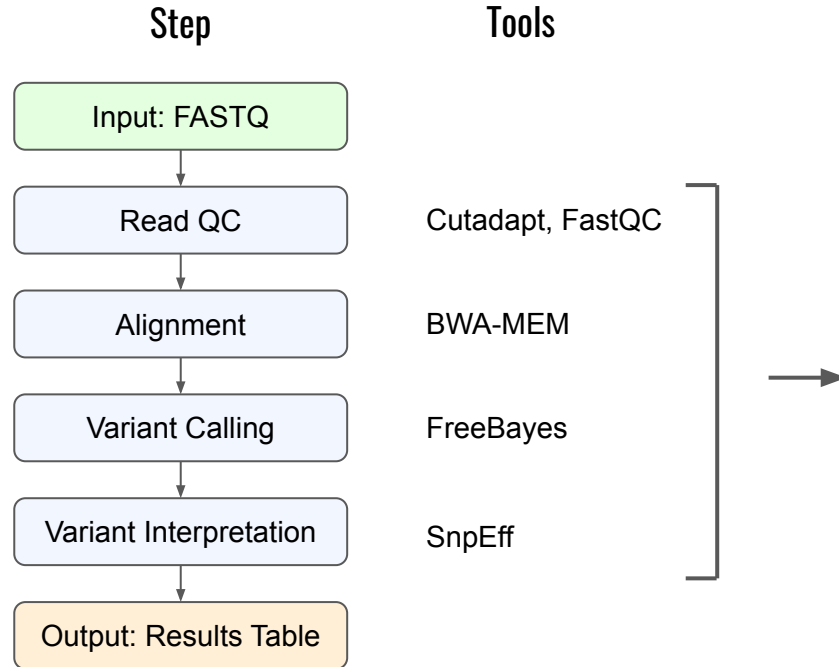
Step



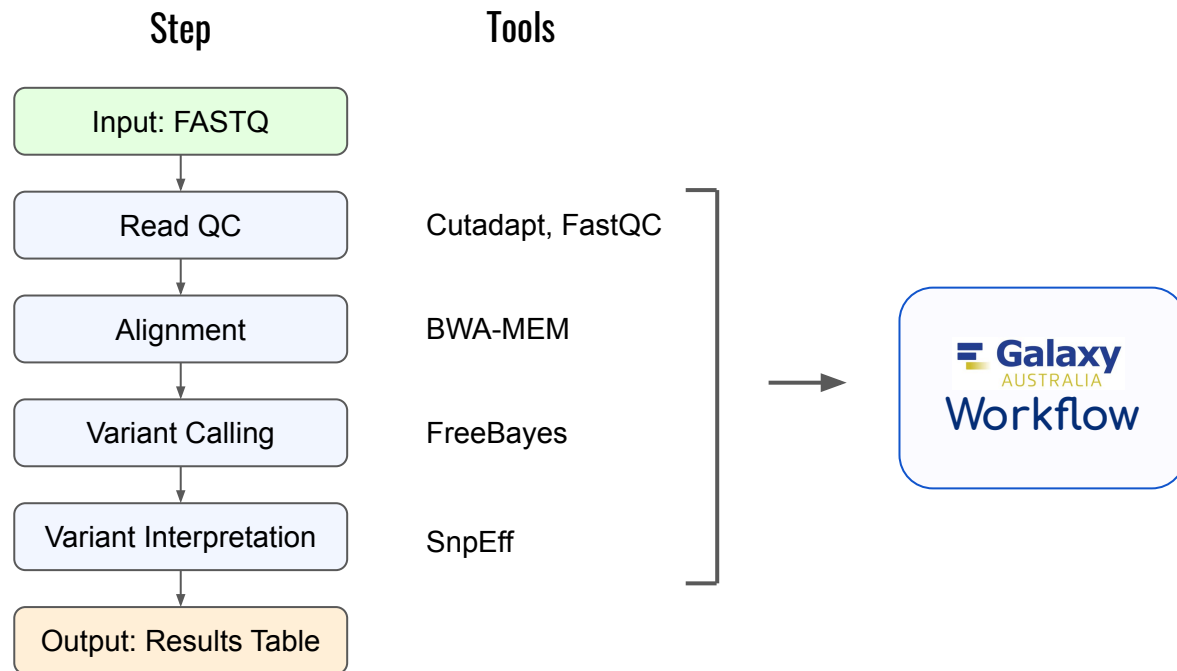
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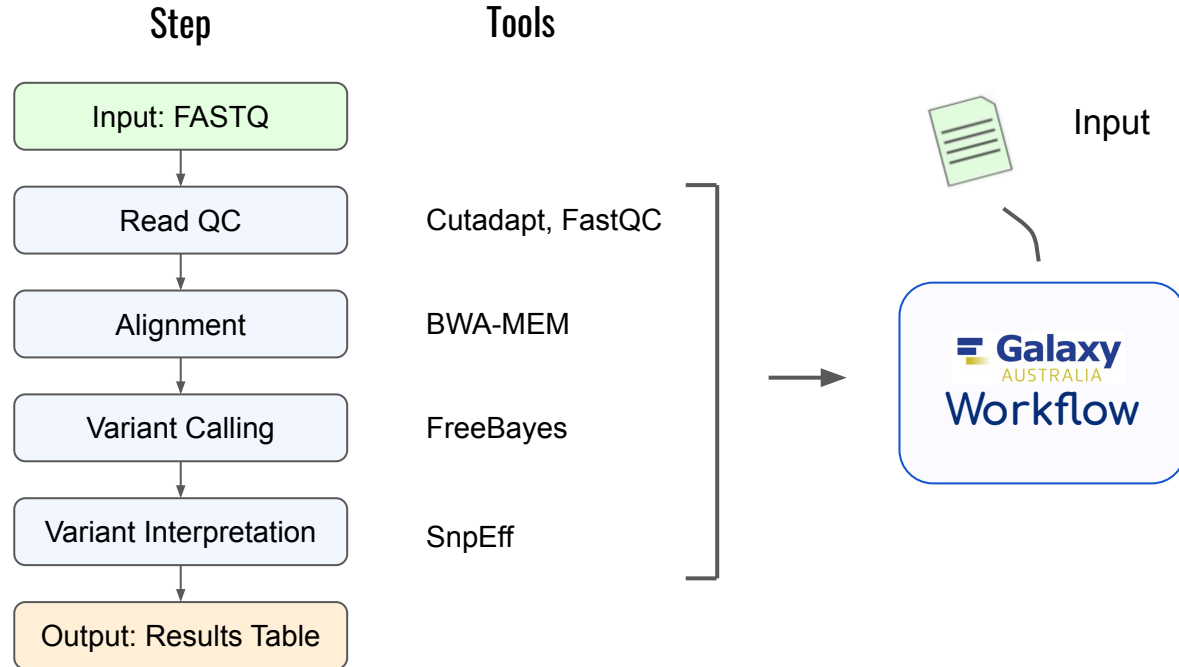
Protocol



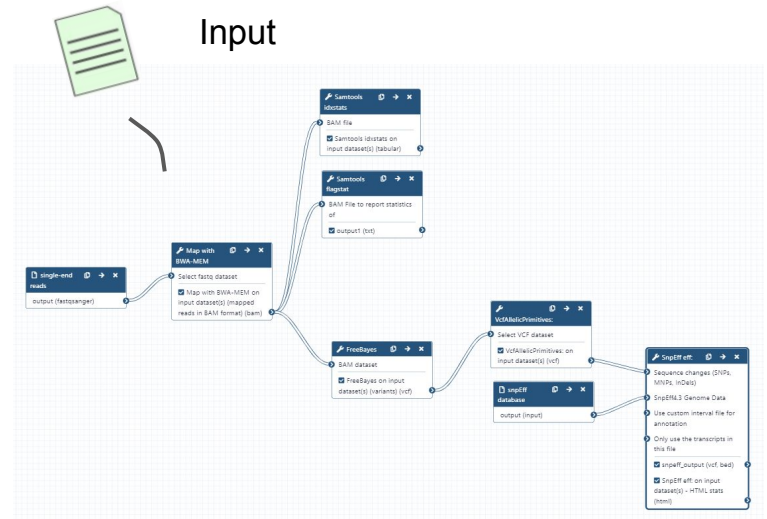
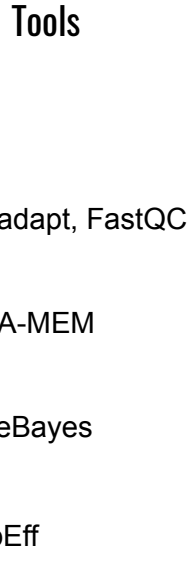
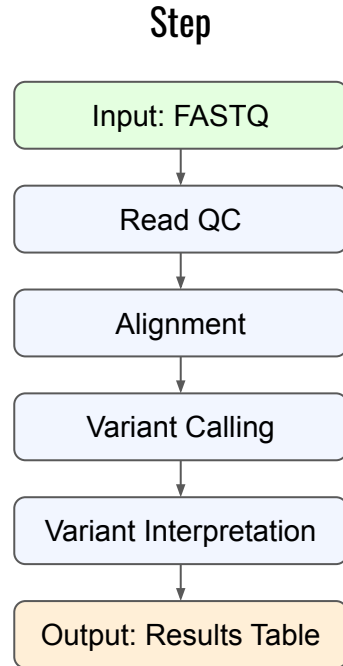
Convert to Workflow



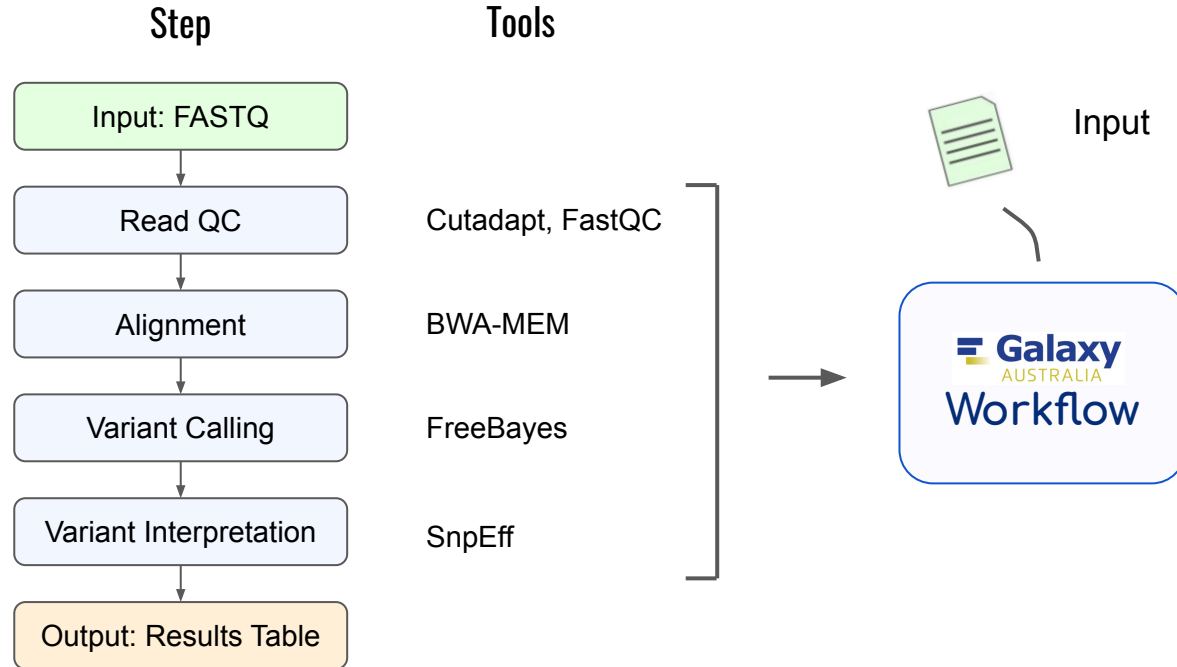
Automated analysis



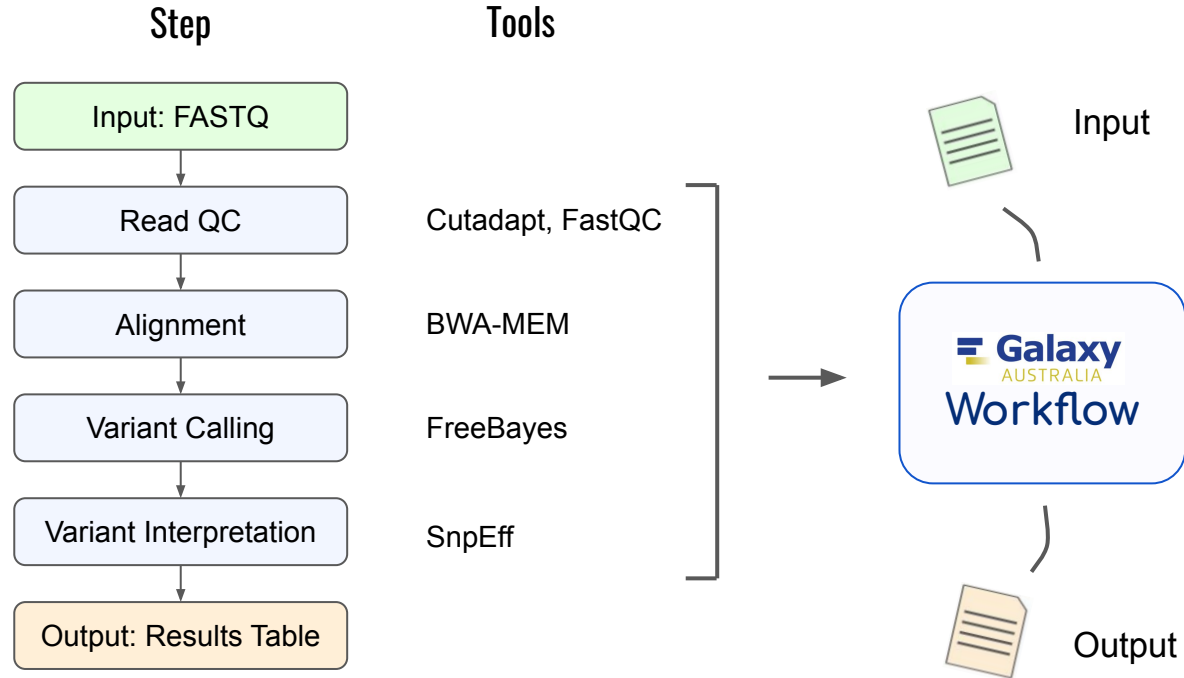
Automated analysis



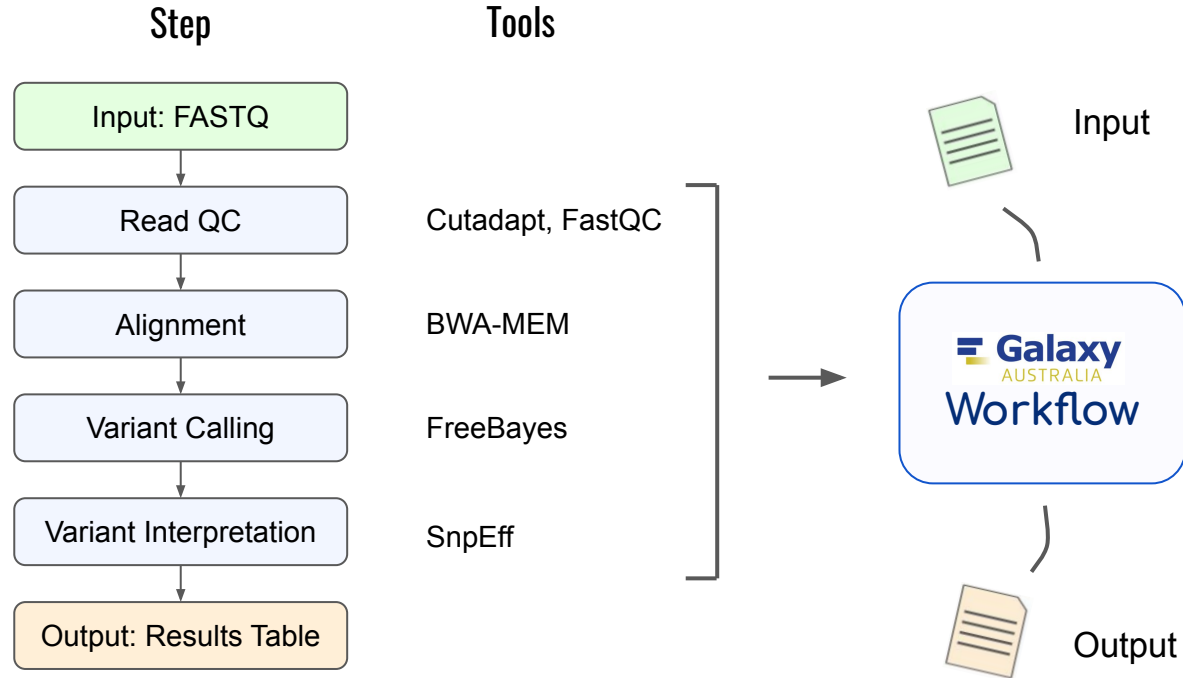
Automated analysis



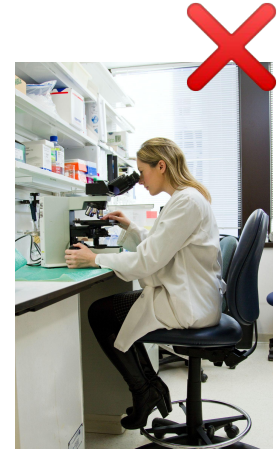
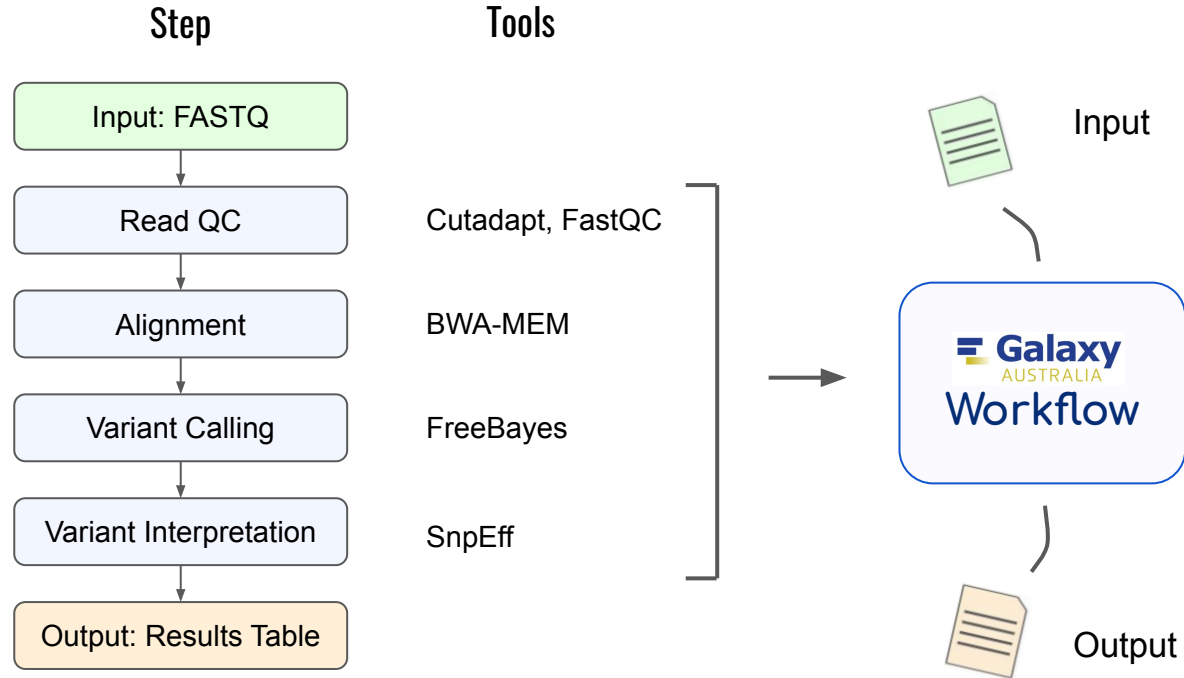
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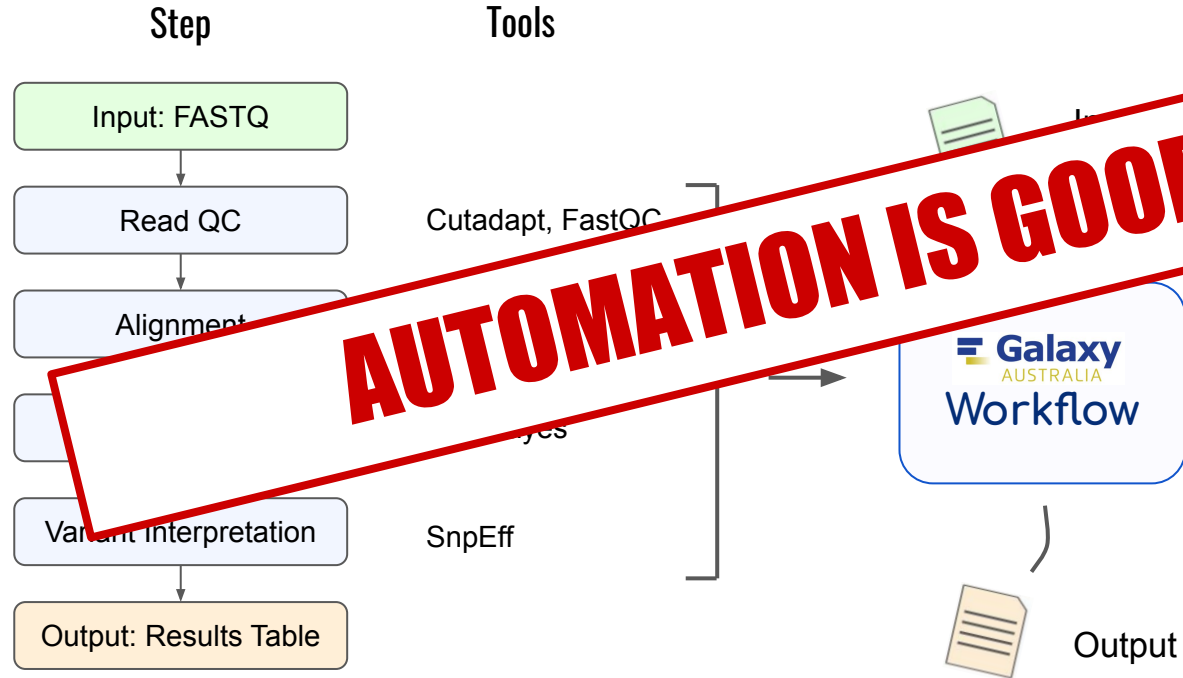
Automated analysis



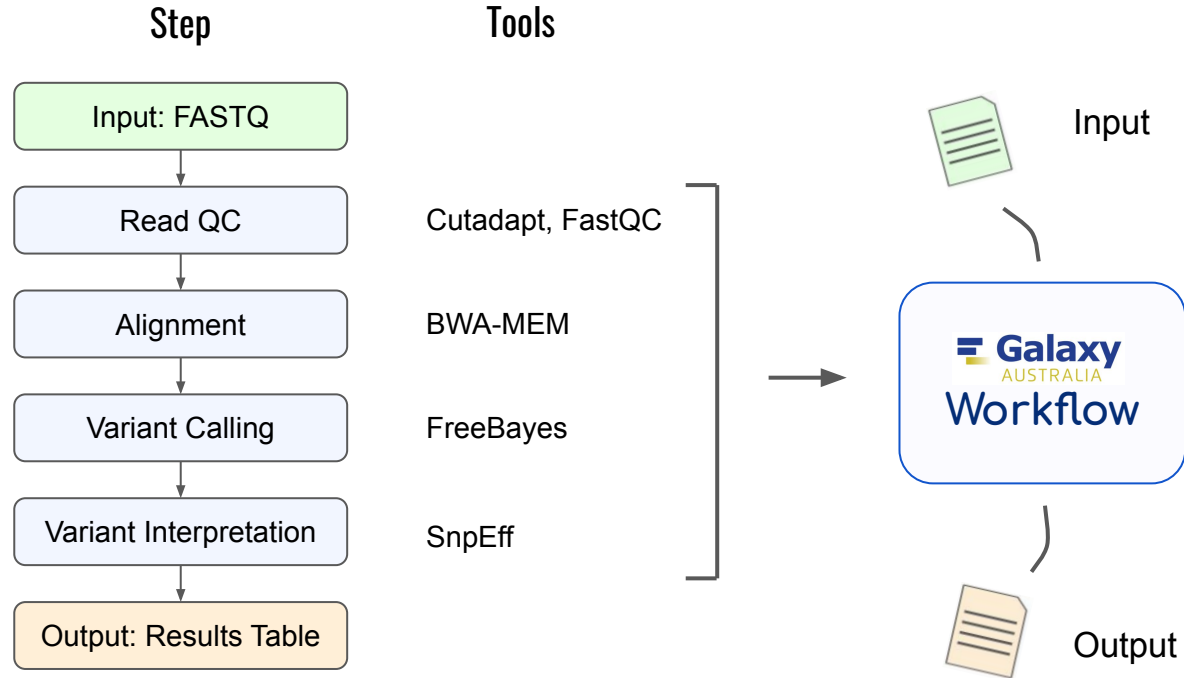
Automated analysis



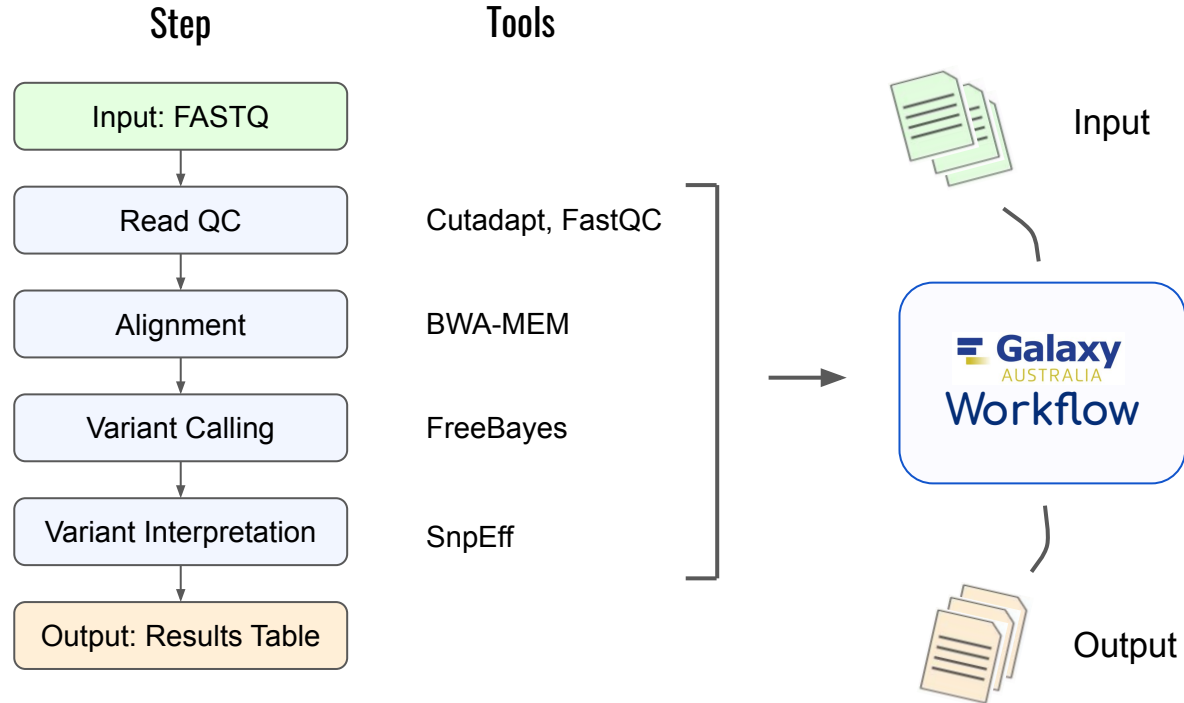
Automated analysis



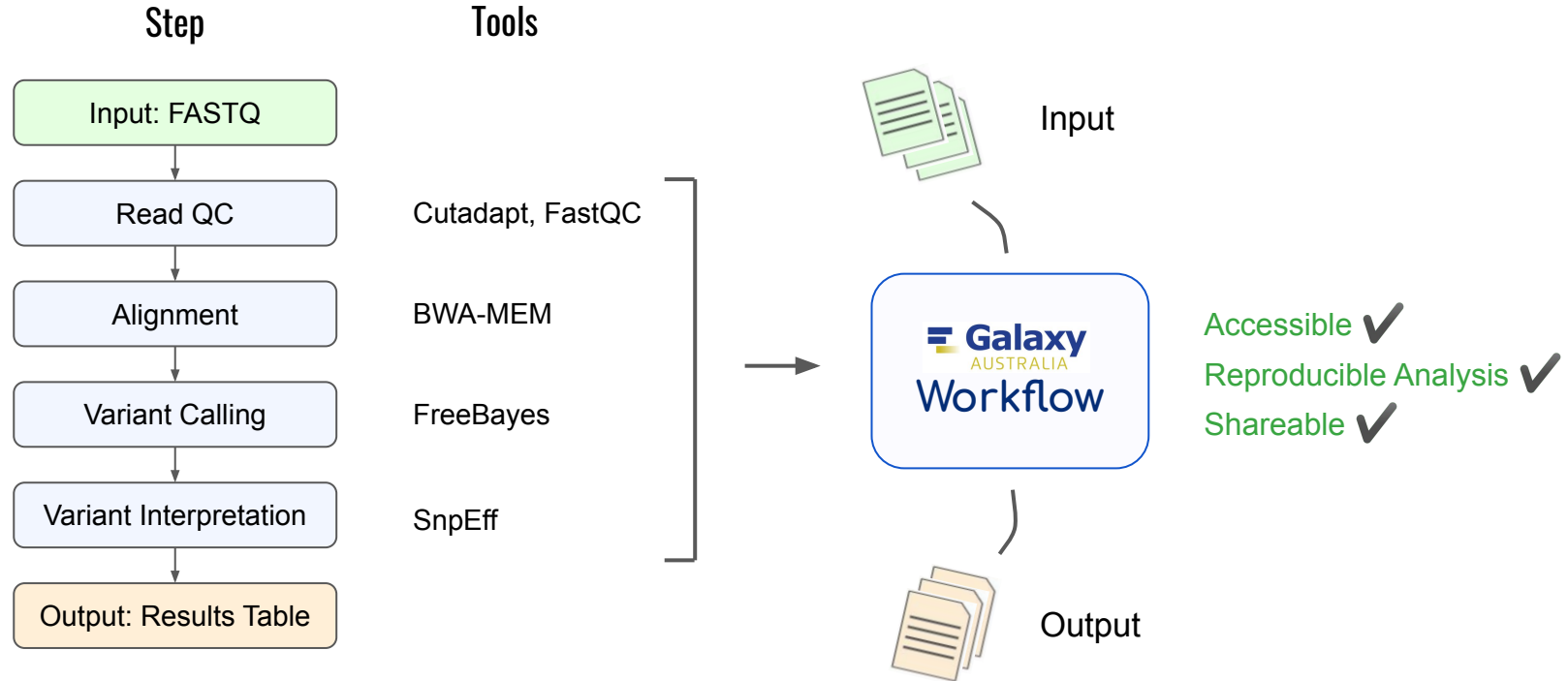
Automated analysis



Analyse new datasets!



Analyse new datasets!



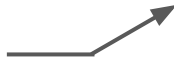
Share with the world



Share with the world



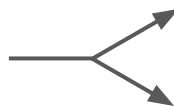
Your Boss



Share with the world



Your Boss

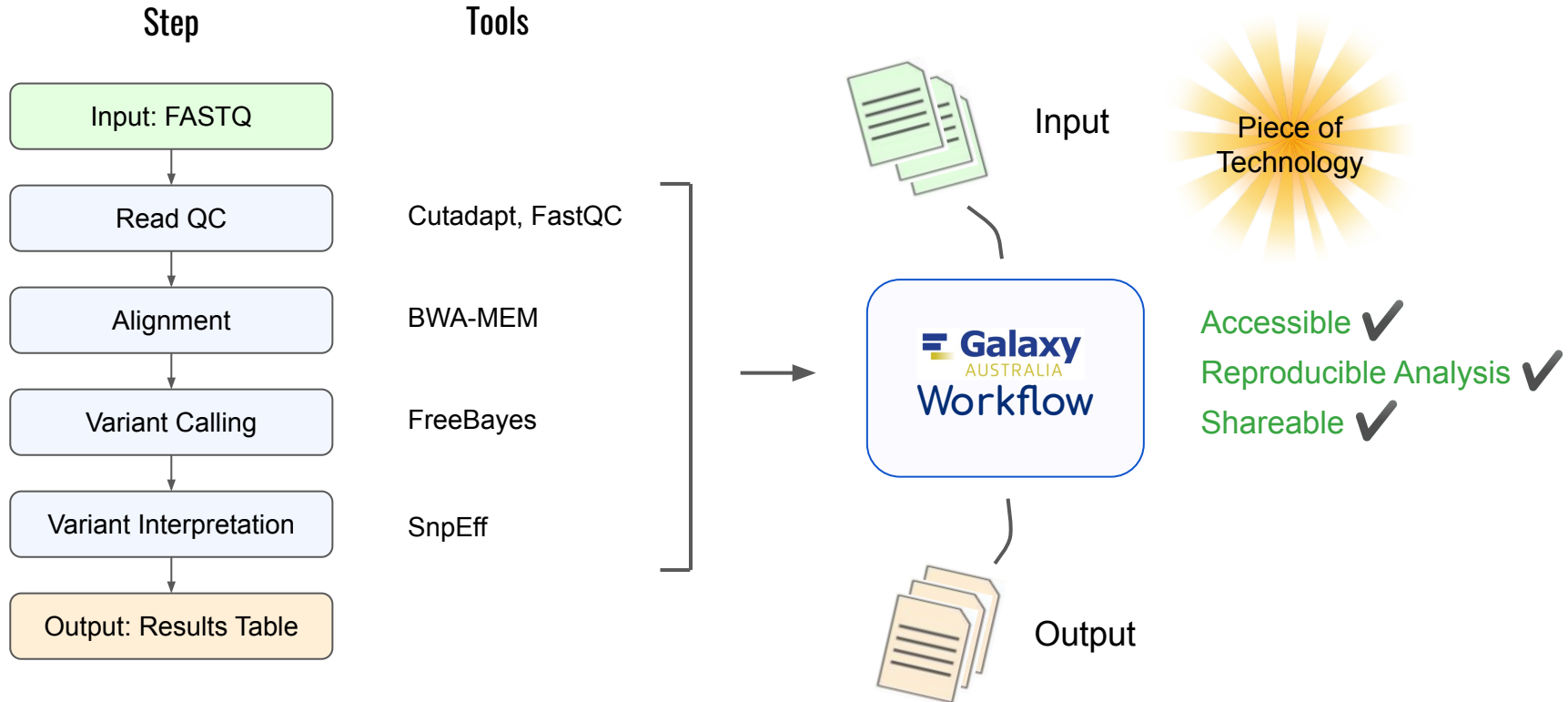


Research
Community



Graveyard

Analyse new datasets!



Analysis Development

Original Data



Analysis Development

Original Data



Analysis Development

Original Data New Data

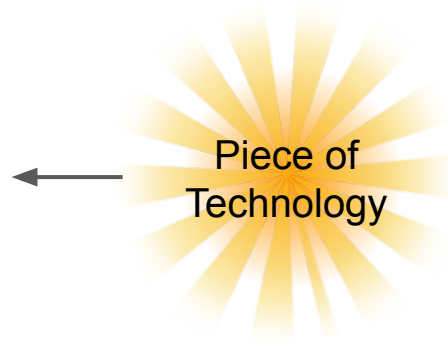


Analysis Development

Original Data New Data

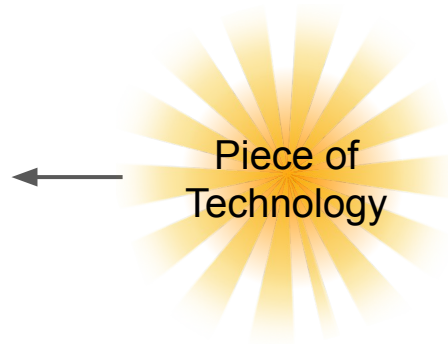


CUPPED HANDS
OFFERING



Analysis Development

Original Data New Data



Publishable ✓

Shareable ✓

Reproducible analysis ✓

Analysis Development

Original Data New Data



Your Boss



Analysis Development



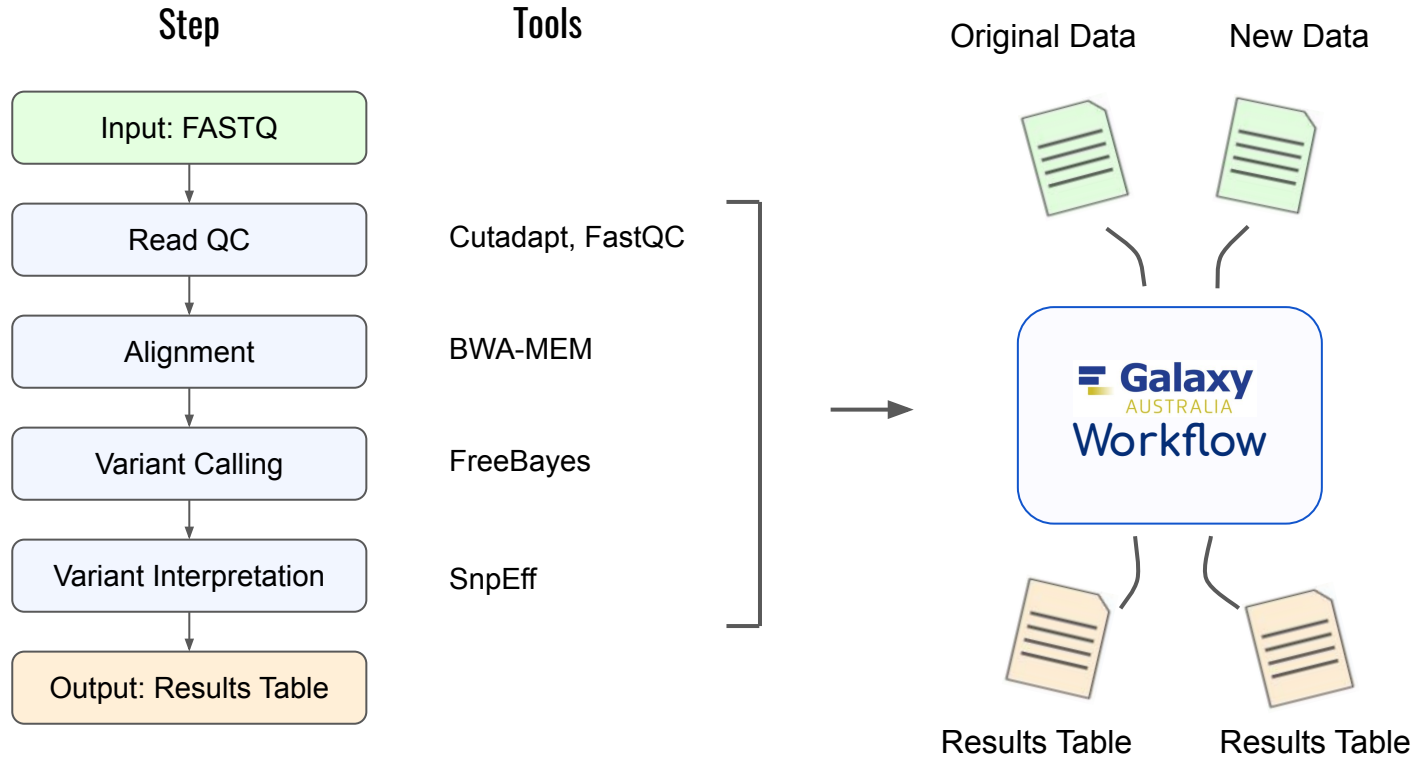
Your Boss



Research Community



Analysis Development



Analysis Development

