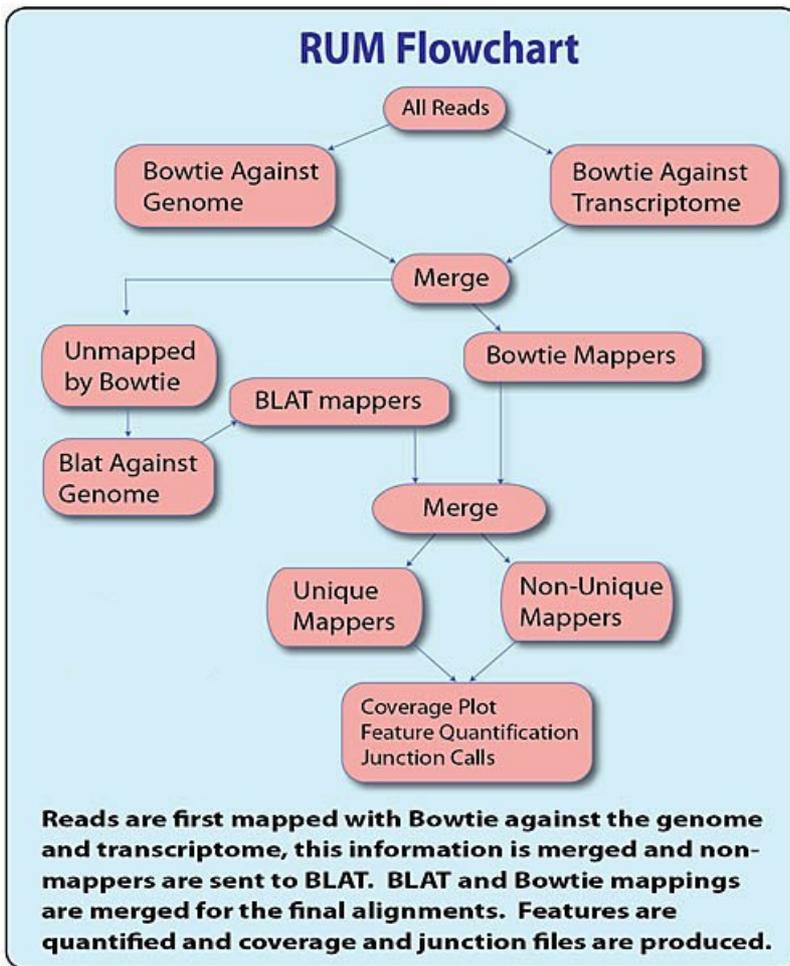


RUM (RNA-seq Unified Mapper), is RNA-Seq alignment pipeline developed at 2011. It is freely available for academic uses.



To start a job, we need to type `rum_runner`, give it an action telling it what to do.

Actions:

`rum_runner align`: run the RUM pipeline
`rum_runner clean`: delete intermediate files
`rum_runner kill`: stop running and remove all output files
`rum_runner stop`: stop a running job
`rum_runner resume`: resume a stopped job
`rum_runner status`: check the status of a running job
`rum_runner version`: print out the version of RUM
`rum_runner help`: provide help information.

Required options for `rum_runner align`:

`--index-dir`, or `-i`: index directory
`--name`: `job_name`
`--output` or `-o`: output directory
`--chunks`: number of chunks you want to
`forward_reads` [`reverse_reads`]
options (more details about options can be found under `rum_runner help align`)

Required options for `rum_runner help`:

action name

Required options for Rum_runner other actions:

-0

Reference:

1. Comparative analysis of RNA-Seq alignment algorithms and the RNA-Seq unified mapper (RUM). [Bioinformatics](#). 2011 Sep 15;27(18):2518-28.
2. RUM user guide. <http://www.cbil.upenn.edu/RUM/userguide.php>