

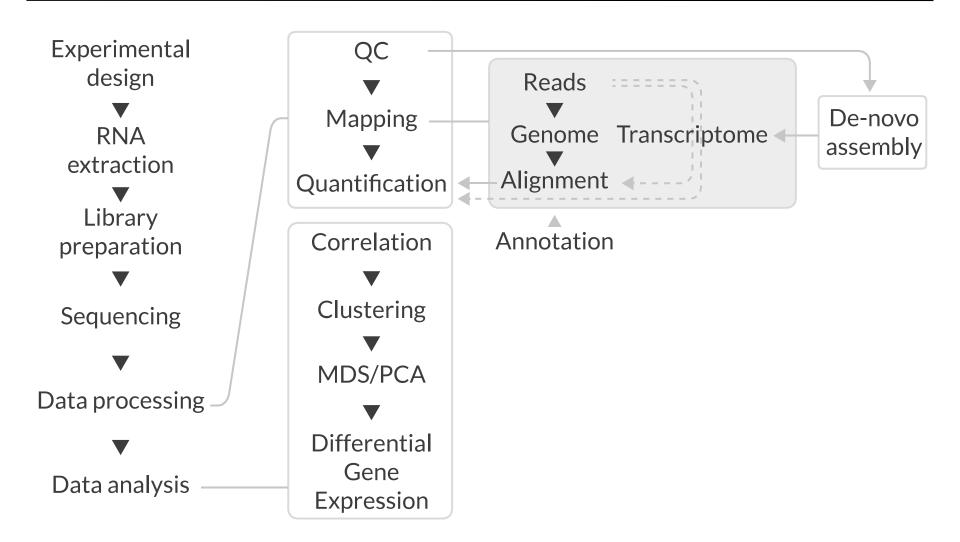


# Summary



Workflow







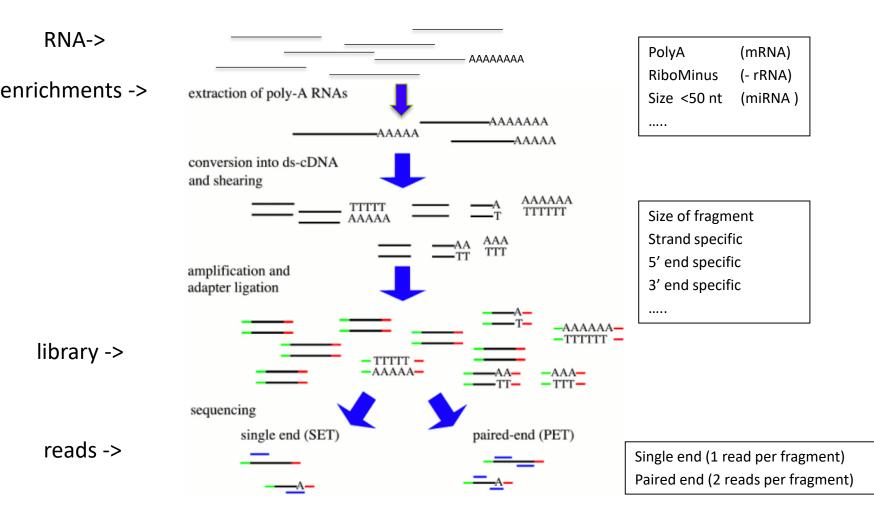


- Sound experimental design to avoid confounding
- Plan carefully about lib prep, sequencing, etc based on experimental objective
- Biological replicates may be more important than paired-end reads or long reads
- Discard low quality bases, reads, genes, and samples
- Verify that tools and methods align with data assumptions
- Experiment with multiple pipelines and tools



#### Depending on the different steps you will get different results

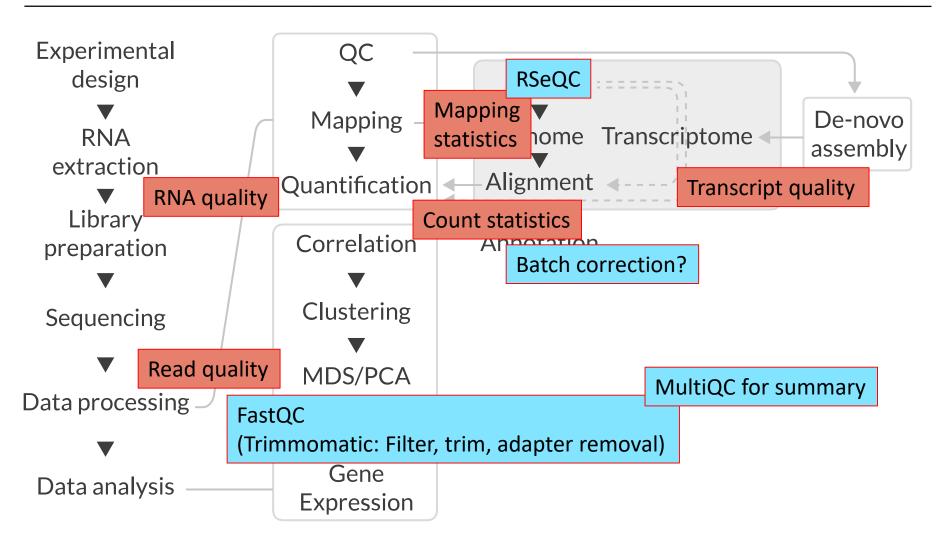
Scil





Workflow

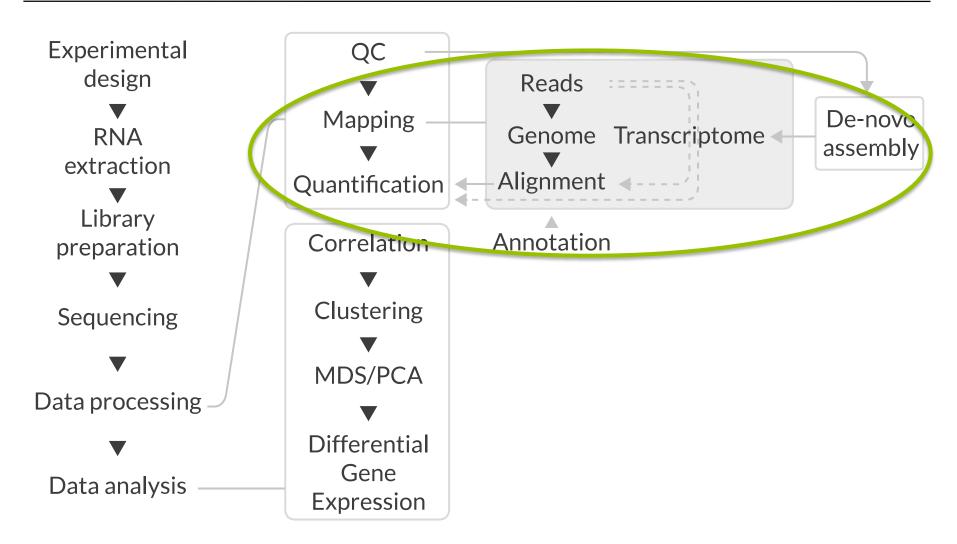






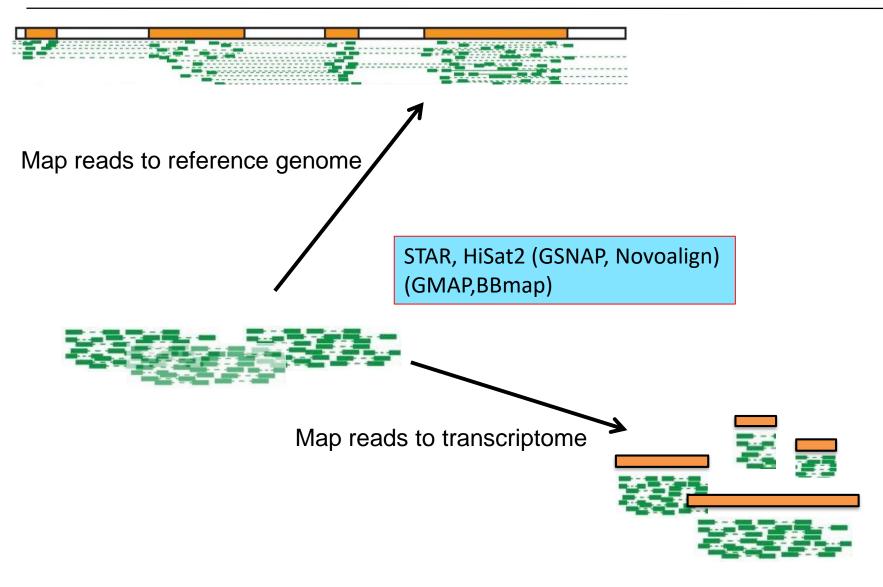
Workflow





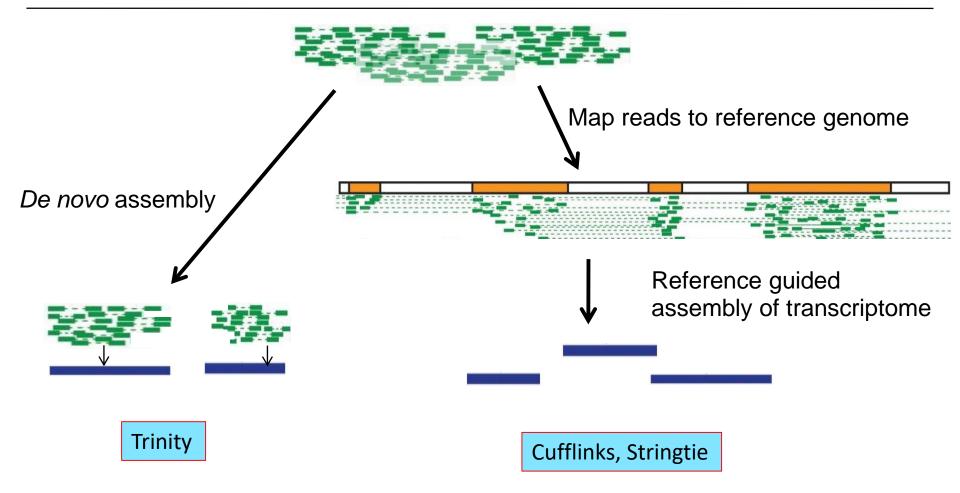






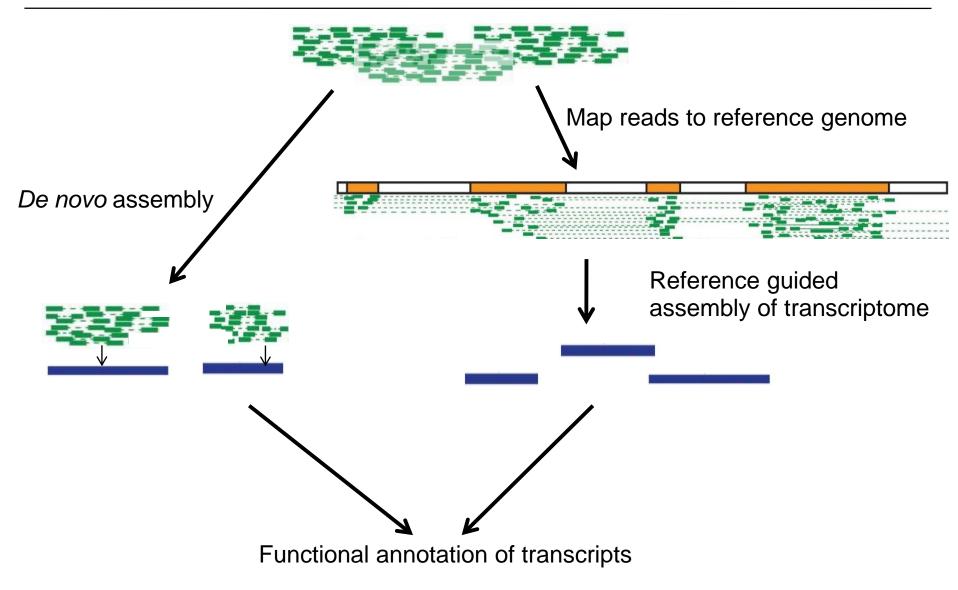






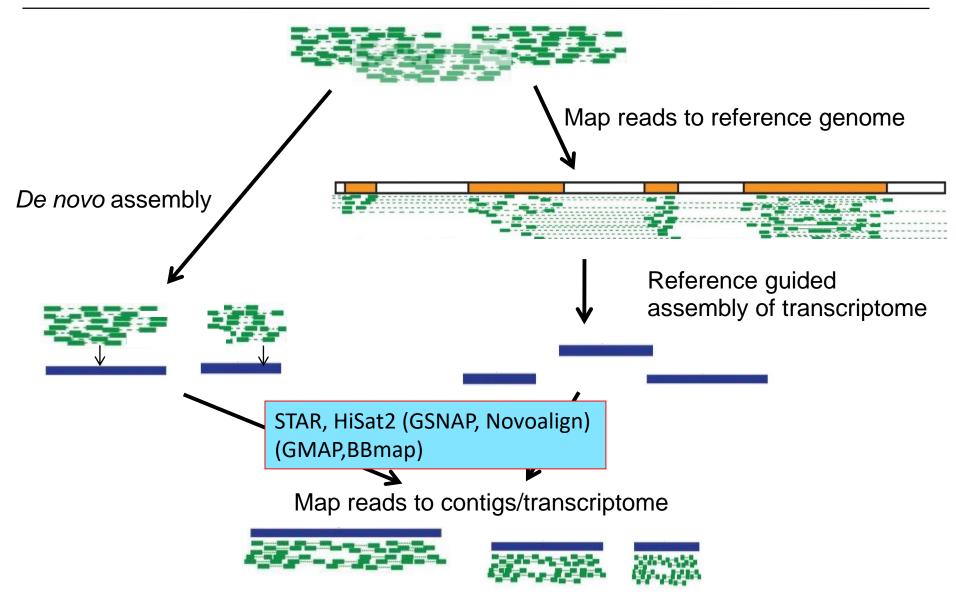








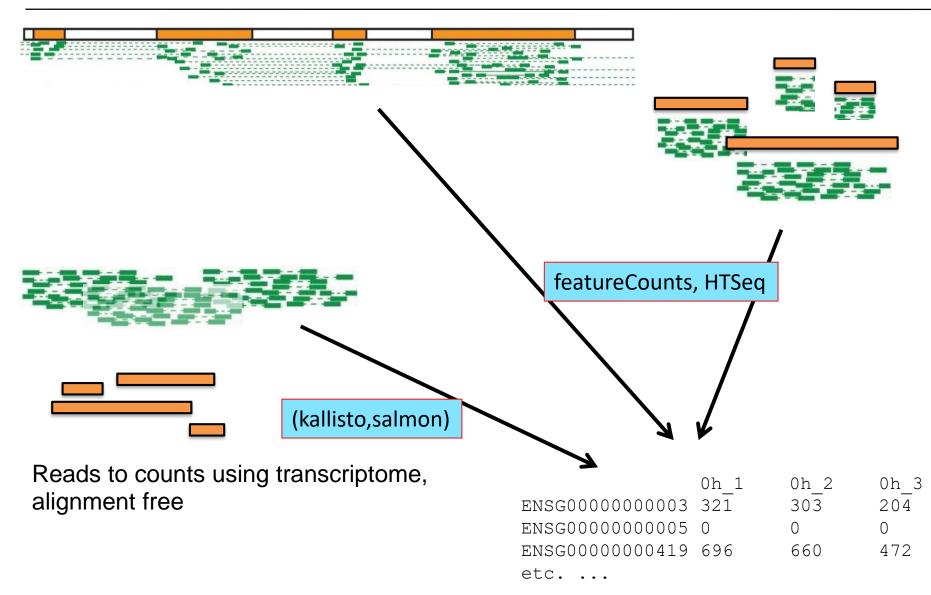




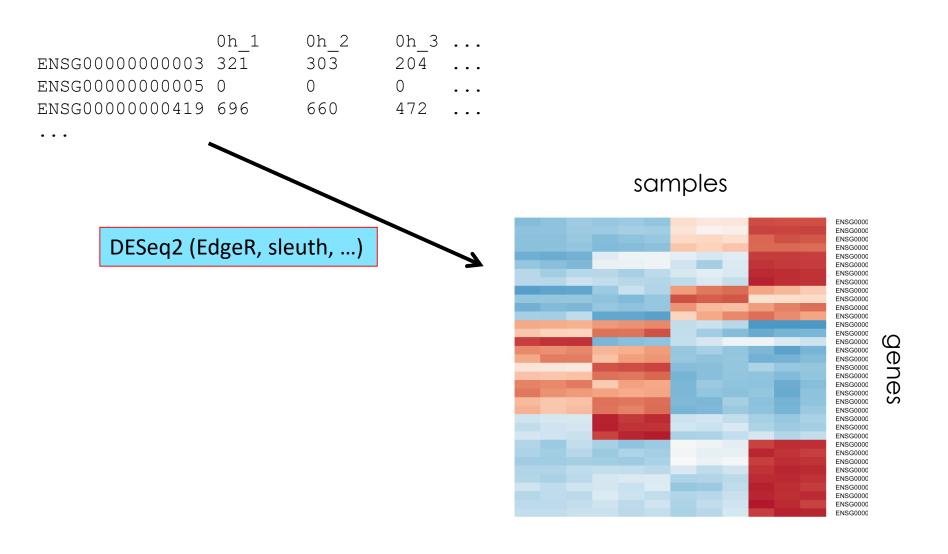


#### Bam to counts





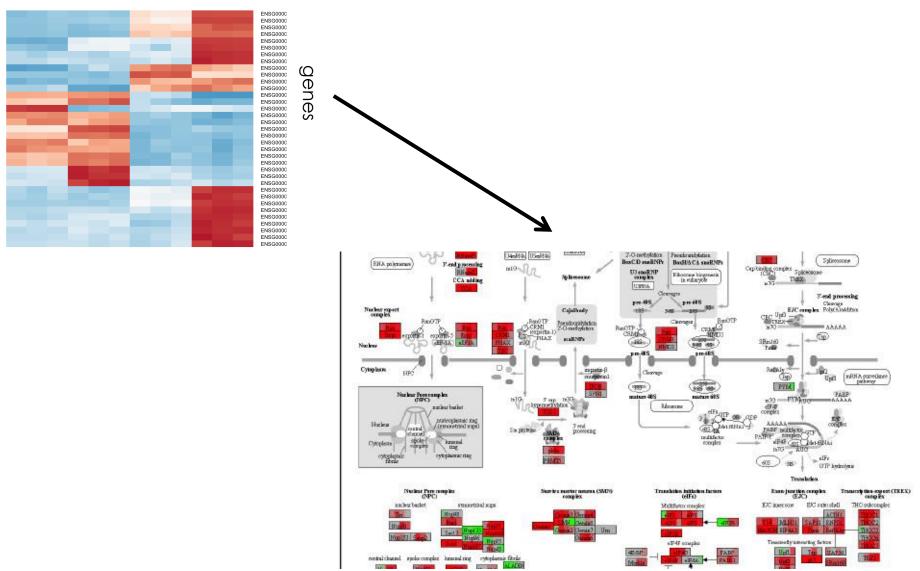




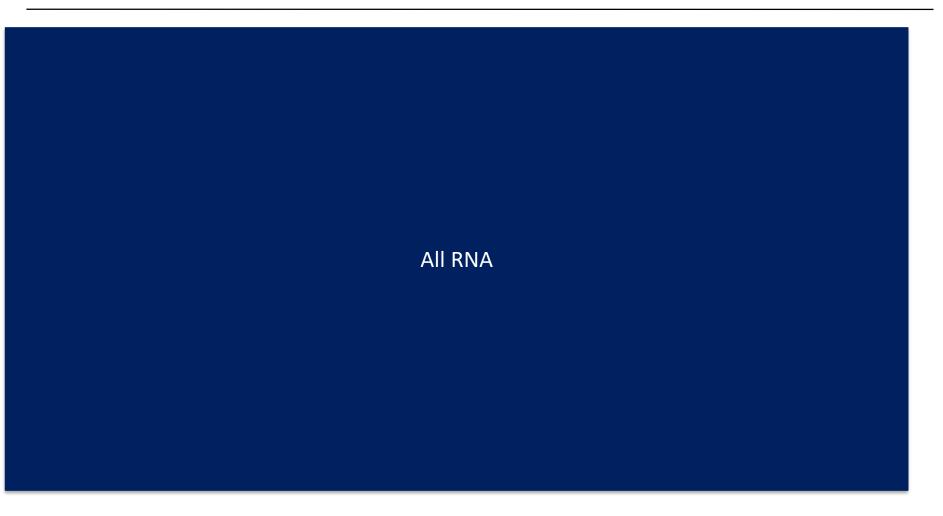


#### Gene set analysis









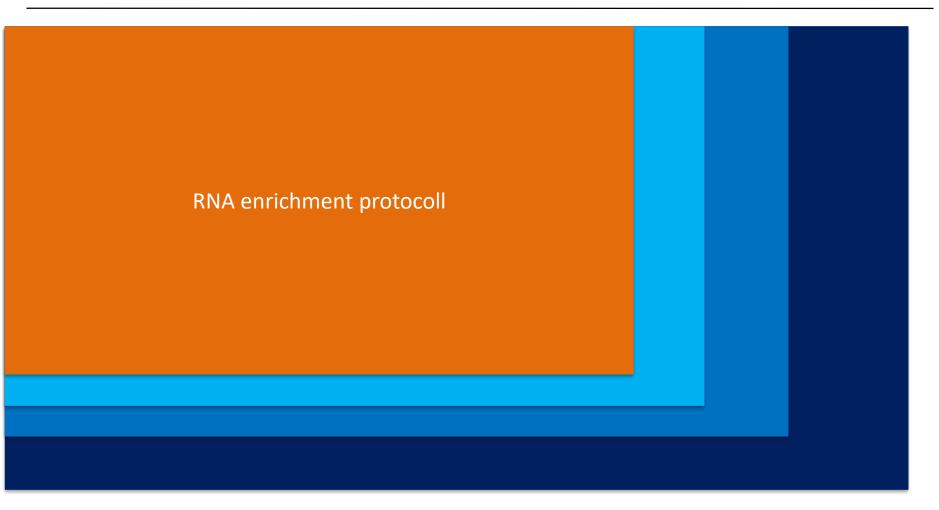


Experimental setup	



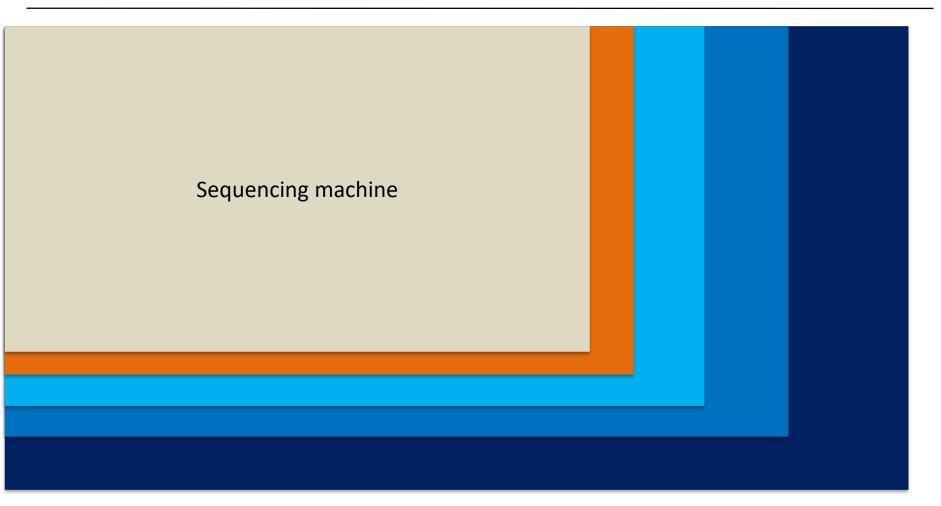
Lab work + RNA extraction	



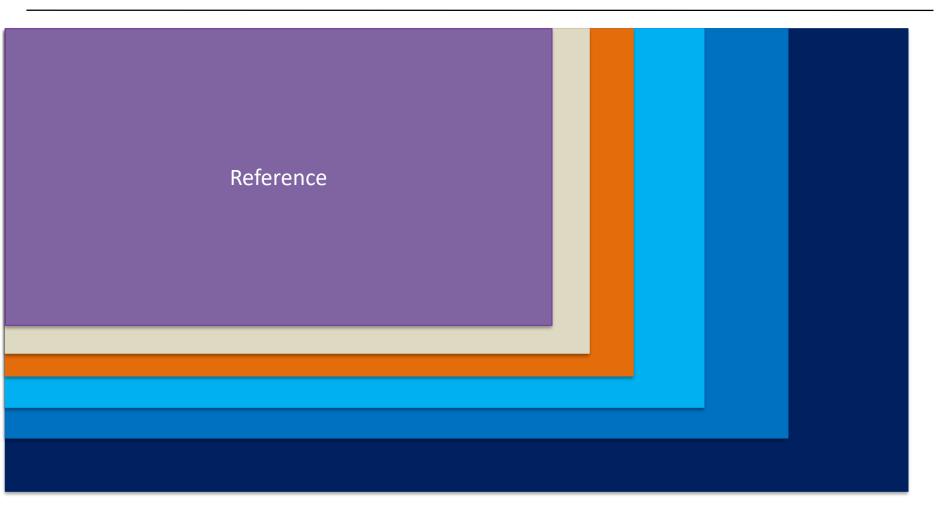




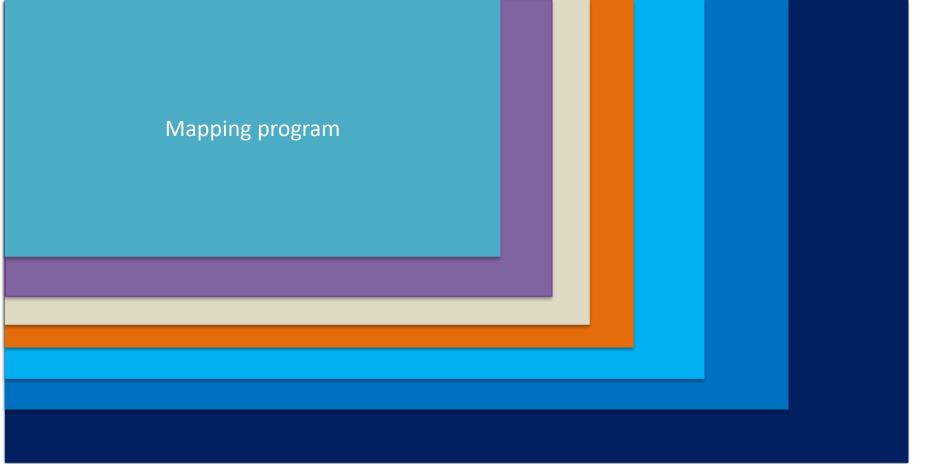
# All steps will affect the results SciLifeLab





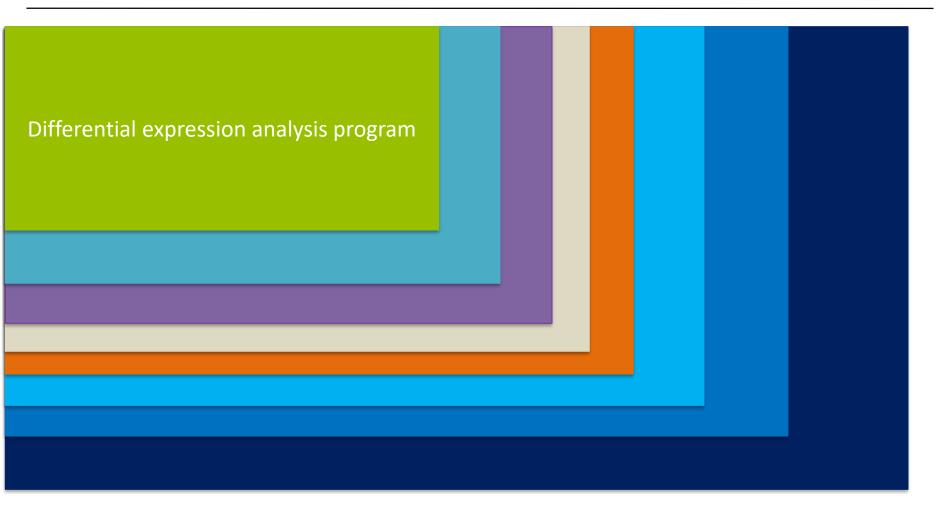








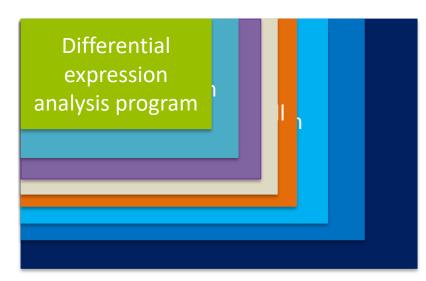
eLab

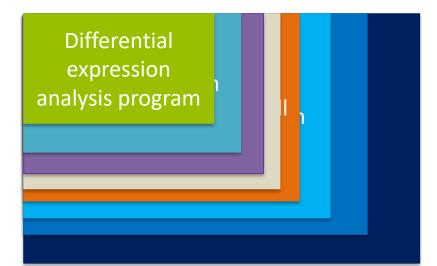


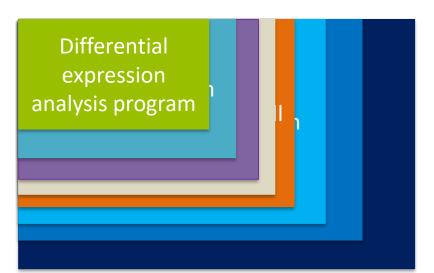


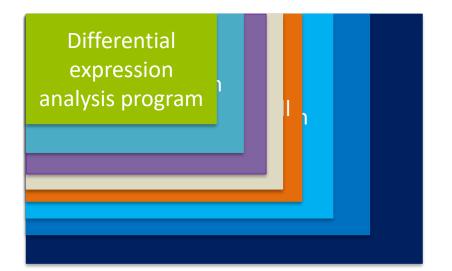
# Try to be as consistent as possible















- Thanks for joining the workshop!
- Please fill out the evaluation form
- Please leave name tags in the box if you still have them...

• Good luck with your analysis! If you need help, we are here for you!