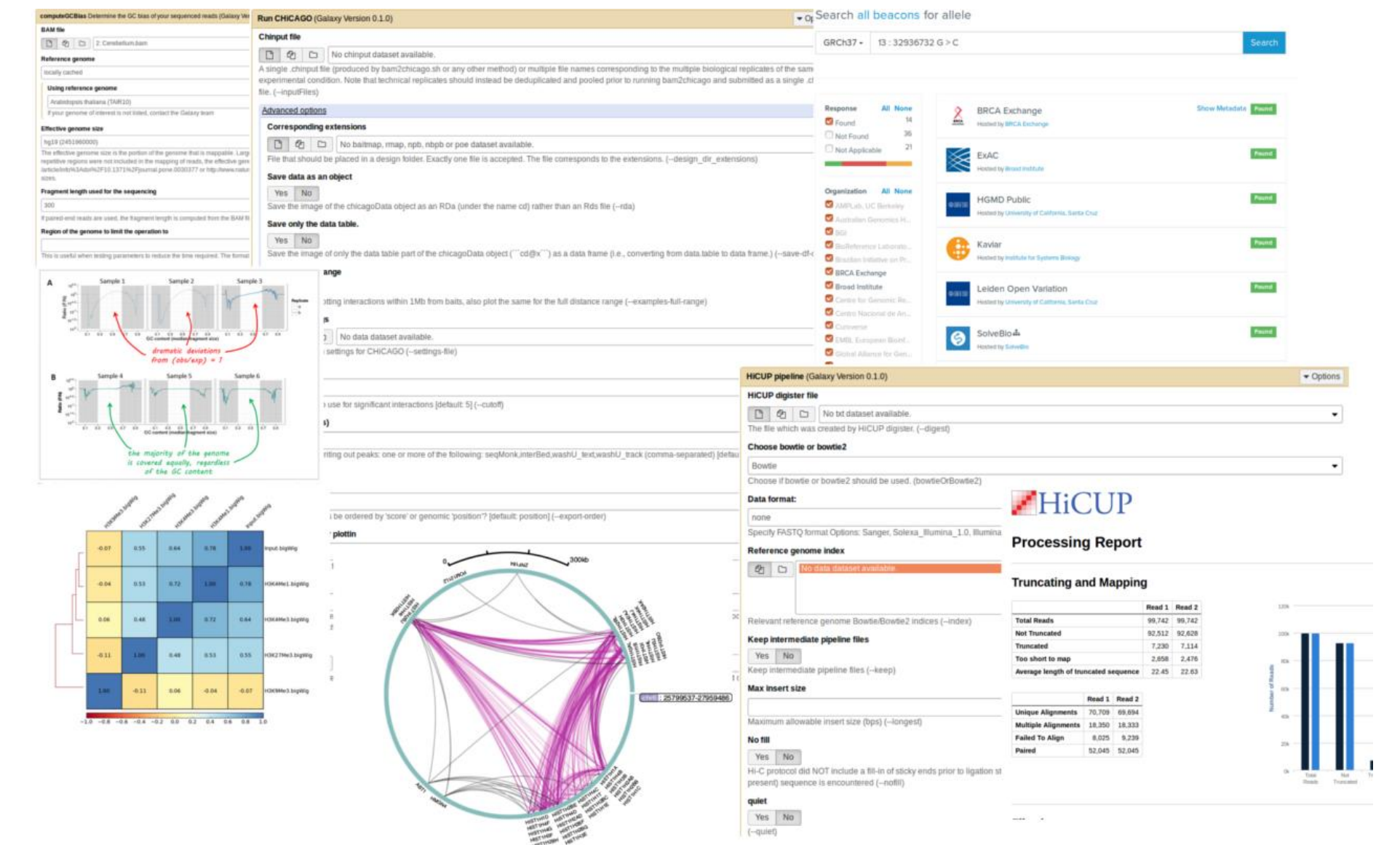
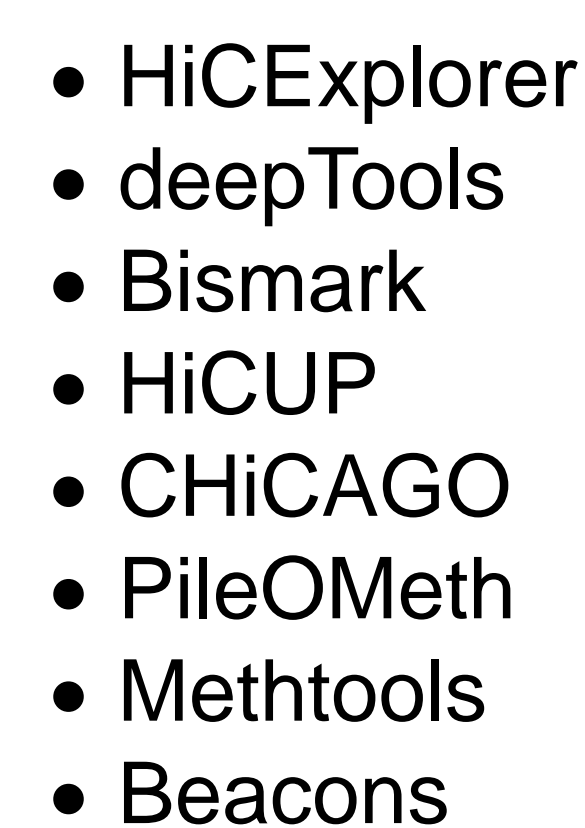


**de.NBI-epi** RNA Bioinformatics Center  
University of Freiburg  
Chair of Bioinformatics

Björn Grüning, Joachim Wolff, Rolf Backofen  
RNA Bioinformatics Center, University of Freiburg, Germany

**de.NBI services**

Maintenance and integration of software into Galaxy to provide easy access for epigenetic analysis software:

[illegible]

Comics: Have fun while Galaxy is computing your data.

And a lot more: RSS-Reader, PubMed recommendations, tool recommendation, runtime graphs... (leave a Post-it with your ideas!)

**BIOCONDA®**



BioContainers provides  
system-agnostic  
executable  
environments for  
bioinformatics software.

Galaxy is an open, web-based platform for data intensive research.

- 8,600 commits on GitHub
- 155 contributors
- > 1,800 packages

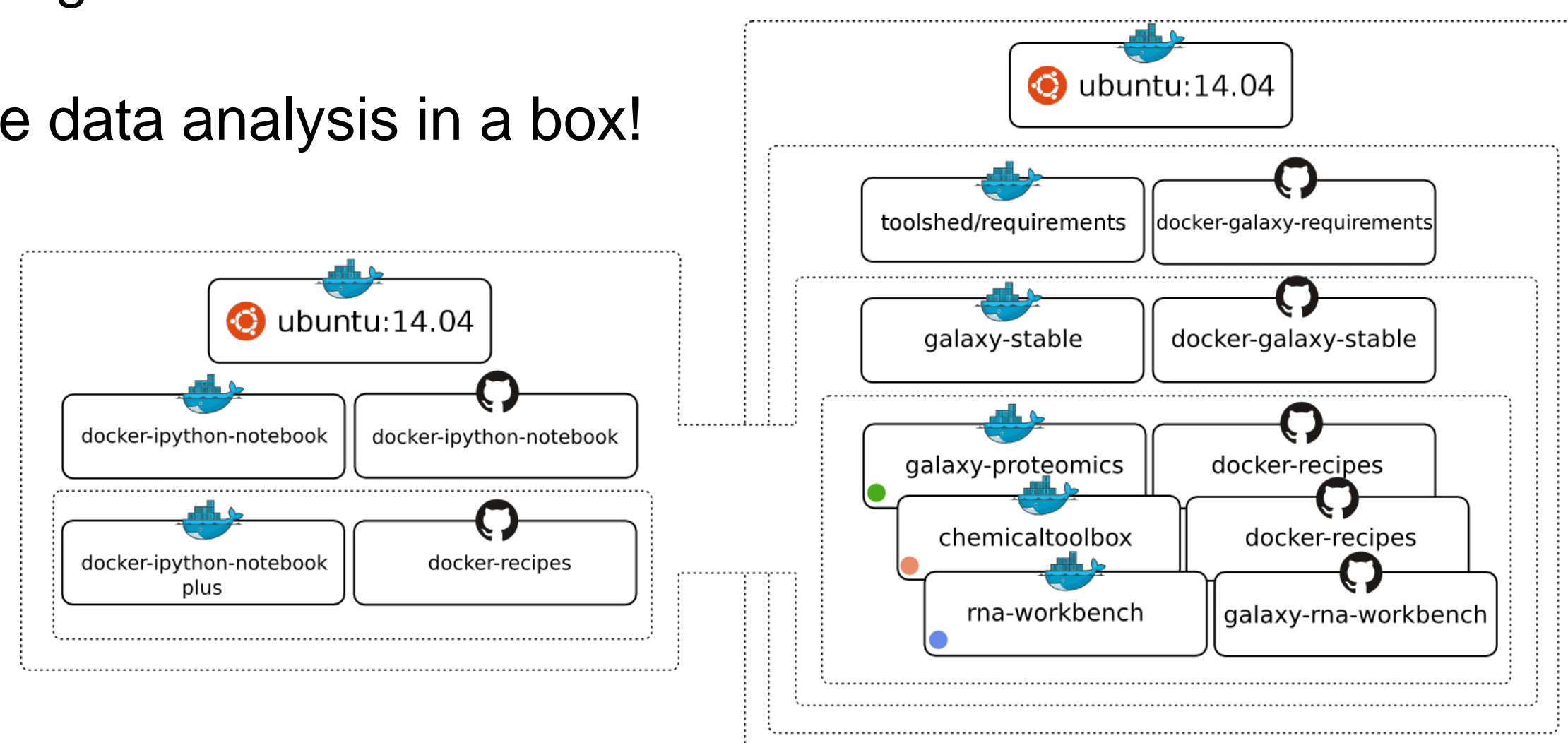
- Based on Docker & rkt
- > 1,800 Images
- Automatic builds from BioConda

- 25,550 commits
- 131 contributors
- One of the biggest Galaxy instances available for de.NBI

**<http://galaxy.uni-freiburg.de>**

The Galaxy Docker Image is an easy distributable full-fledged Galaxy installation, that can be used for testing, teaching and presenting new tools and features.

## Portable data analysis in a box!



<https://github.com/bgruening/docker-galaxy-epigenetic>

## Publications

deepTools2: a next generation web server for deep-sequencing data analysis.  
doi:10.1093/nar/gkw257

Tools and data services registry: a community effort to document bioinformatics resources.  
doi: 10.1093/nar/gkv1116

The Galaxy platform for accessible, reproducible and collaborative biomedical analyses: 2016 update.  
doi: 10.1093/nar/gkw343

## de.NBI training and education

Galaxy Tours – Bioinformatics Training 2.0

- For **users**: As easy as a video, but interactive as a hands-on training
- For **trainers**: Dead simple to create!

**Ask  
for  
LIVE-Demo**

## 2016 past and planned events

06 <sup>th</sup> – 7 <sup>th</sup> Oct 2016	Swiss German Galaxy workshop	Freiburg
24 <sup>th</sup> – 26 <sup>th</sup> Oct 2016	CHARME, EMBnet and NETTAB Workshop	Rome
02 <sup>nd</sup> – 03 <sup>rd</sup> Nov 2016	BioConda hackathon	Freiburg
15 <sup>th</sup> – 16 <sup>th</sup> Dec 2016	Galaxy RNA-seq data analysis workshop	Freiburg
<b>2017 planned events</b>		
16 <sup>th</sup> – 19 <sup>th</sup> Jan 2017	European Galaxy Developer workshop	Strasbourg
13 <sup>th</sup> – 17 <sup>th</sup> Feb 2017	Galaxy HTS data analysis workshop	Freiburg
4 <sup>th</sup> – 5 <sup>th</sup> Apr 2017	ELIXIR – de.NBI AAI workshop	Freiburg
14 <sup>th</sup> – 18 <sup>th</sup> Sep 2017	Galaxy HTS data analysis workshop	Freiburg

**Hands-on training material for self-study available:**  
<https://bgruening.github.io/training-material>



Global Organisation for  
Bioinformatics  
Learning, Education &  
Training

