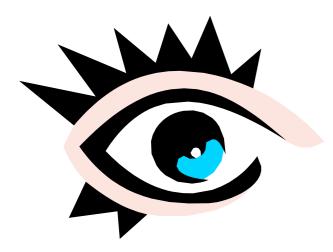
3DAROC18

Summary day #1

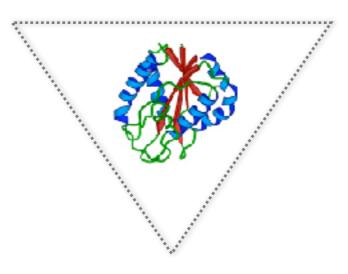
David Castillo, François Serra & Marc A. Marti-Renom Structural Genomics Group (CNAG-CRG)

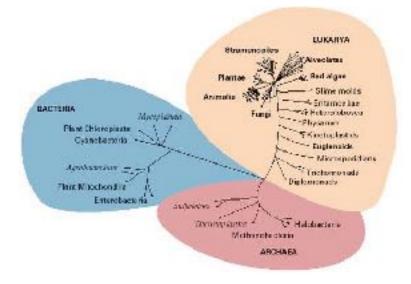


Data groups

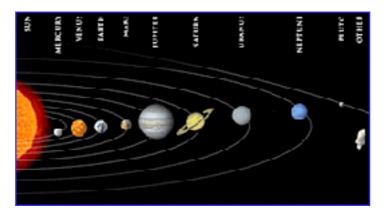


Experimental observations





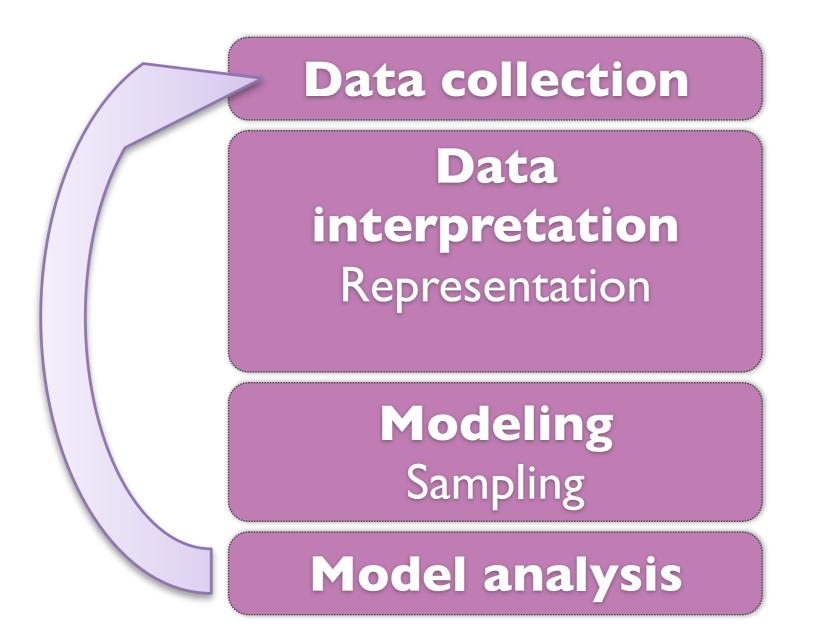
Statistical rules



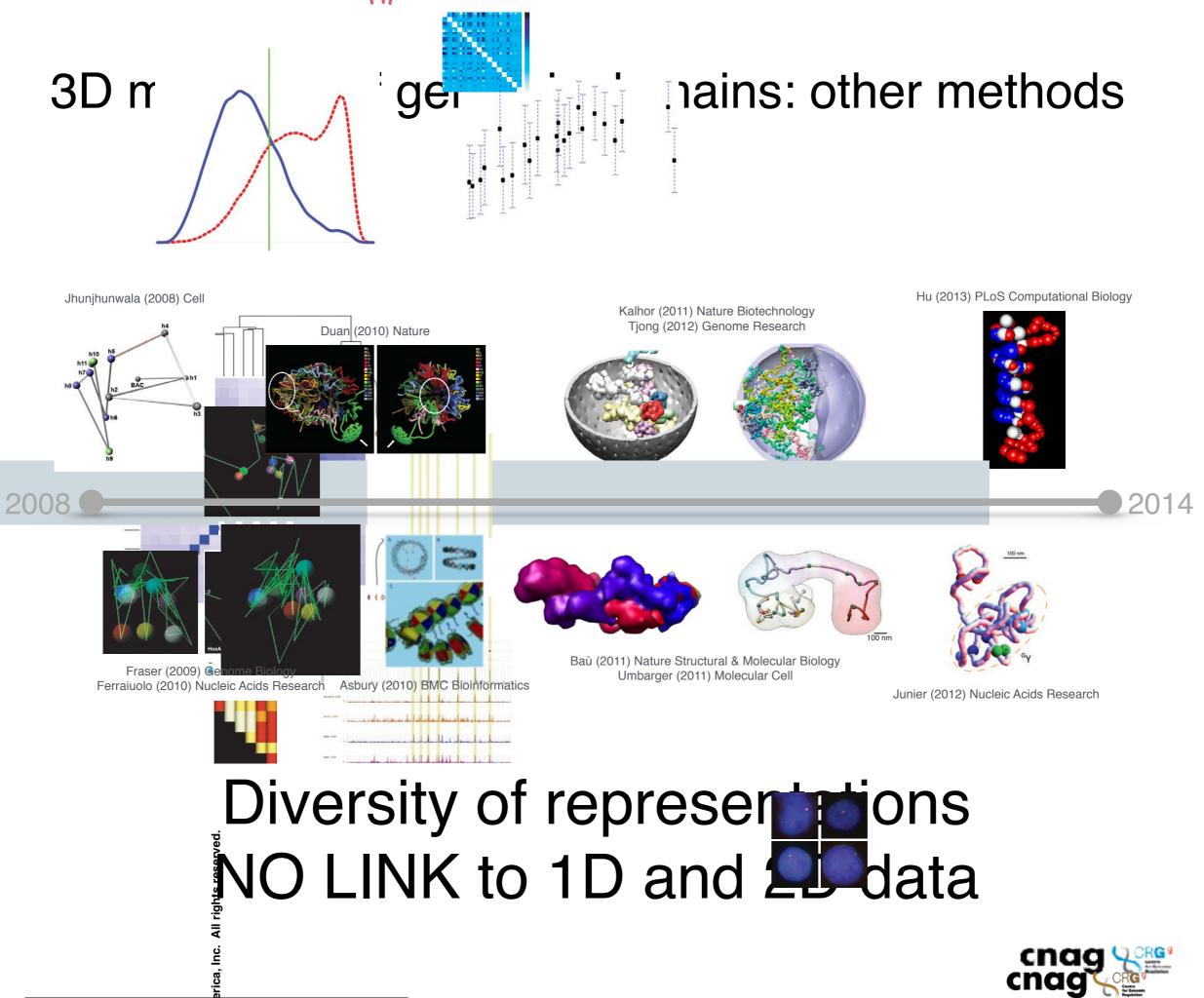
Laws of physics



Integrative modeling







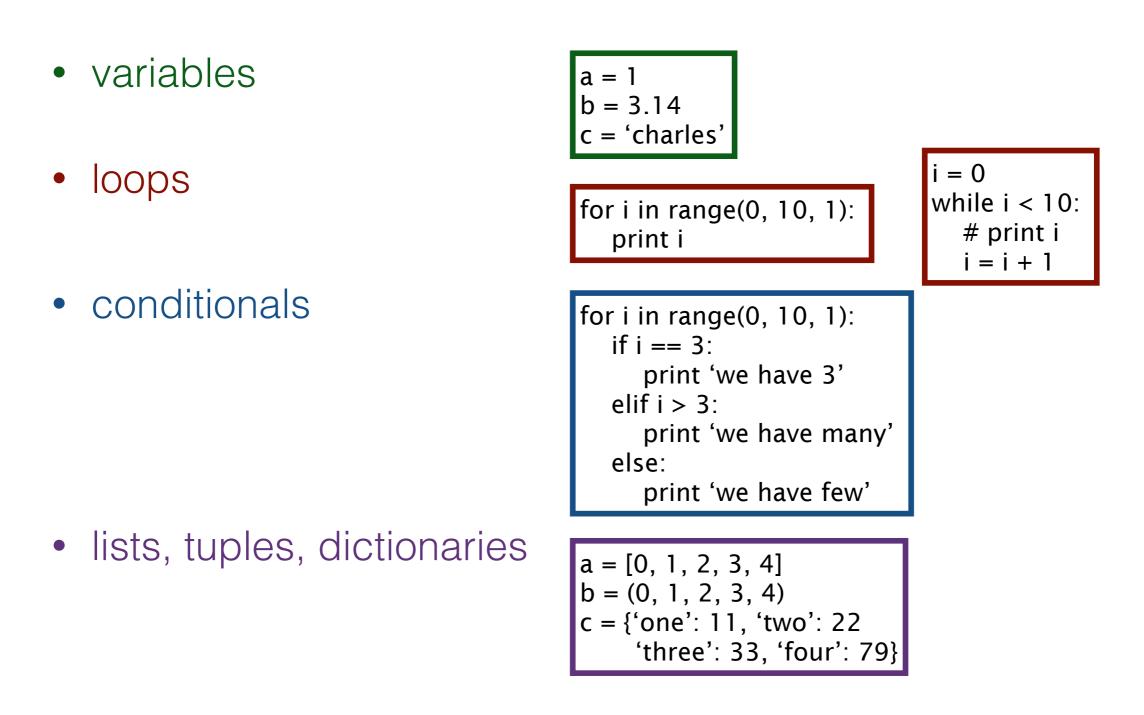


Linux commands

Command	Description	Example	Action
pwd	print working directory	pwd	path & name of dir. I am in now
ls	list contents of directory	ls	list contents of current dir.
		ls test/	list contents of the test dir. that hangs from the current working dir.
		ls -lh	vertical list of dir. contents
cd	change directory	cd	go to home directory
		cd /home/user/Docs	go to the Docs directory
		cd	go to parent directory
mkdir	make directory	mkdir test	creates directory test/
rmdir	remove directory	rmdir test	remove test/ if empty
ср	сору	cp fileA fileB	copy fileA to fileB
mv	move or rename file or directory	mv a b	change name from a to b
		mv a	move a to parent directory
more	see file contents	more a.txt	see contents of a.txt
gedit	simple text editor!	gedit a.txt	edit a.txt
firefox	a web and directory browser	firefox a.html or firefox a.jpg	use web browser to view file
info or man	information on a command	info ls	manual page for the 'ls' command



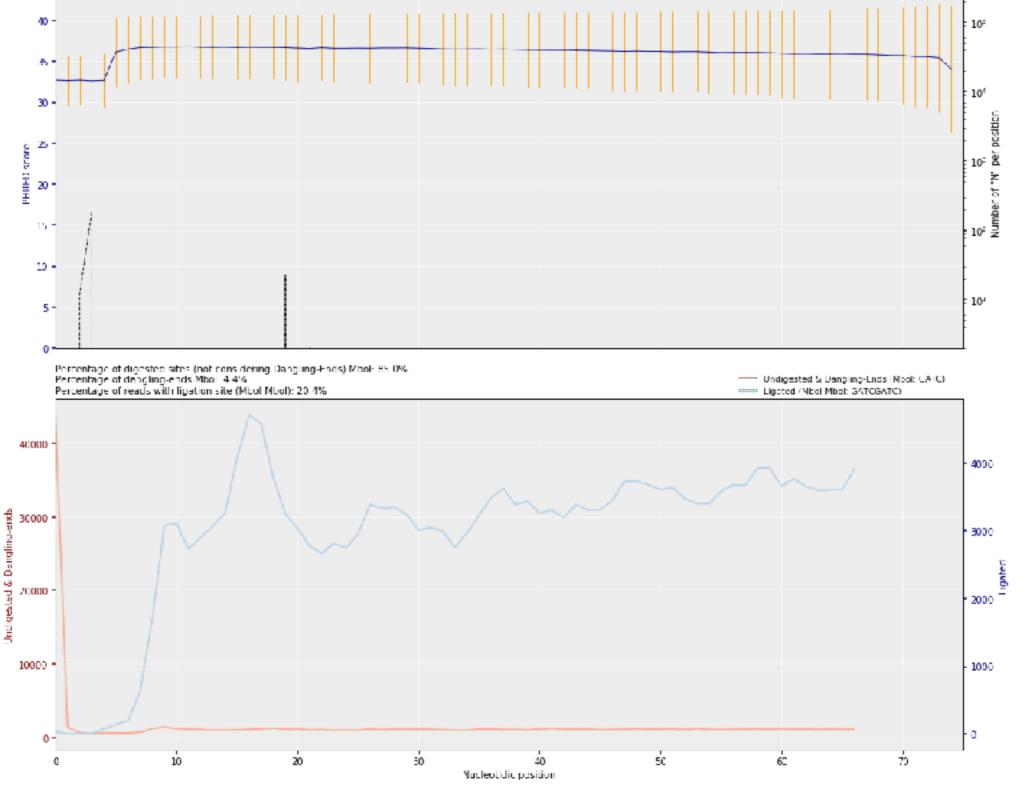
Python definitions





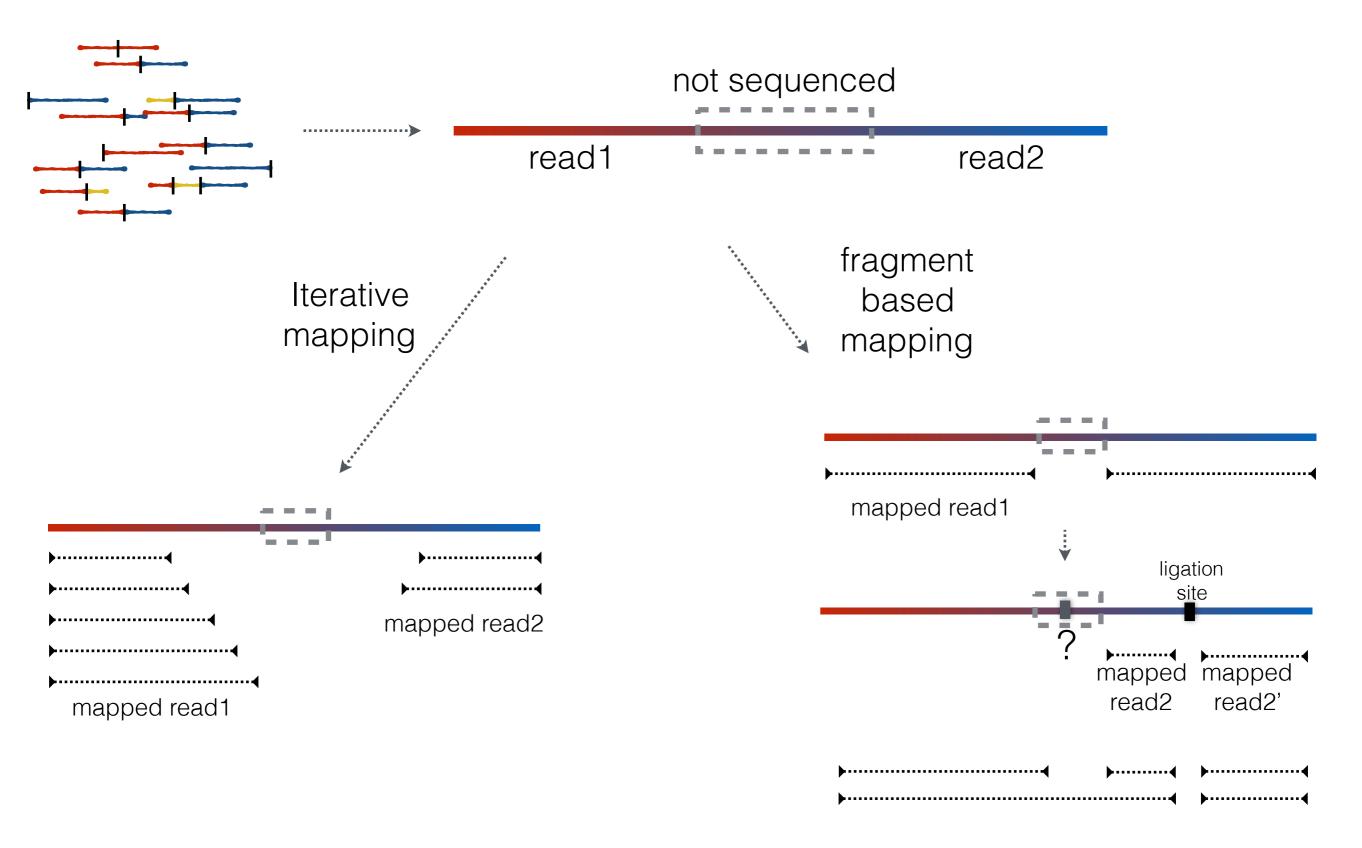
Quality plots of the reads

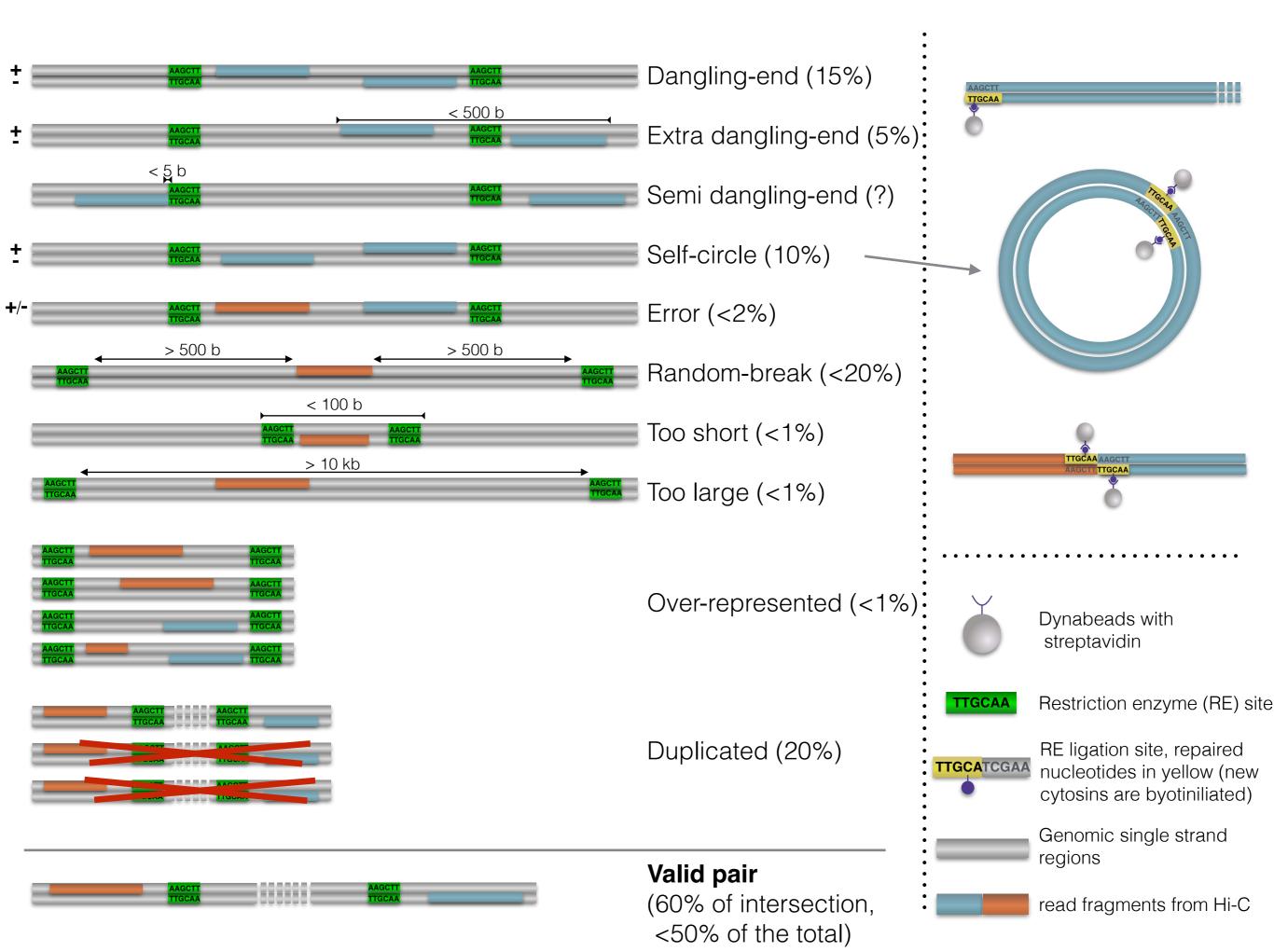
Sequencing Quality and deconvolution (Mbol 1000000 reads)

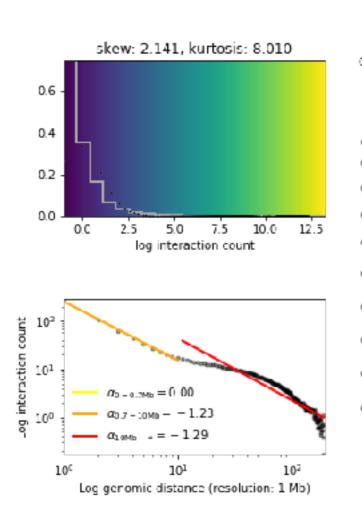




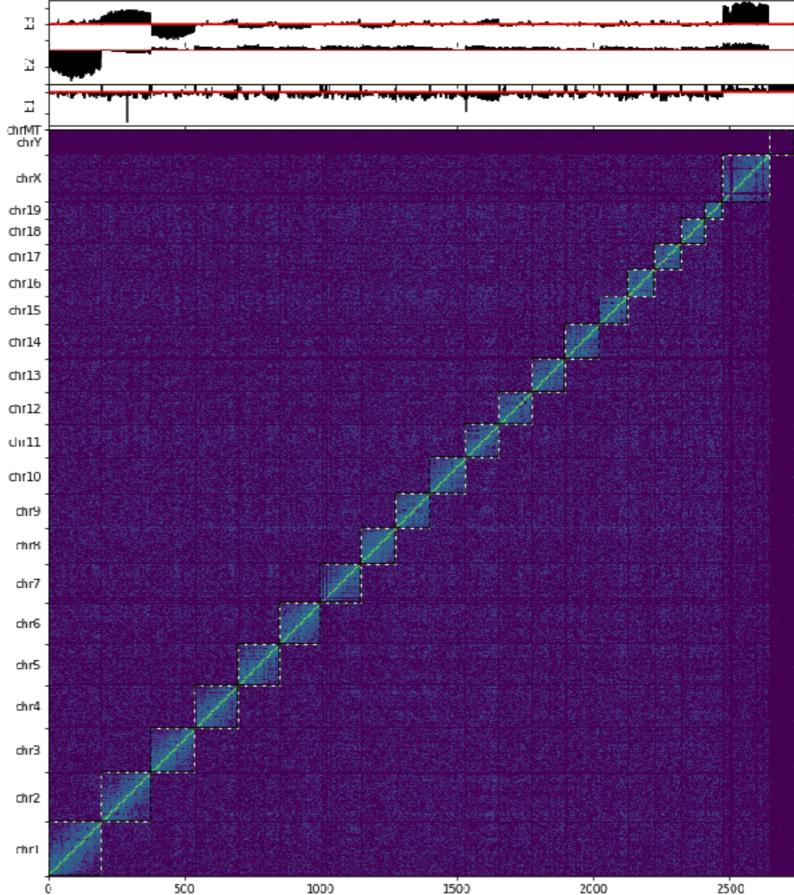
HiC mapping







Number of interactions: 12809846 Percentage of cis interactions: 71% Min interactions: 0 Max interactions: 9562



How confortable are you with...

- Linux/Python to follow the tutorials?
- Reading a quality plot of your reads?
- Differences between iterative and fragment-based mapping
- Stats for quality measure of a Hi-C experiment?
- Applied filters to reads?
- Reading out a TADbit Hi-C map?

