#example Process radtag code for one sample

meghann@meghann-OptiPlex-9020:~$ process\_radtags -1 sample1.1.fastq.gz -2 sample1.2.fastq.gz -o /output\_folder -b /barcodes.txt -e nlaIII -r -c -q -i gzfastq --adapter\_1 AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT --adapter\_mm 2

sudo mysql -e "CREATE DATABASE R1\_radtags" -p

sudo mysql R1\_radtags < /usr/local/share/stacks/sql/stacks.sql -p

sudo mysql -p

SHOW DATABASES;

USE R1\_radtags;

SHOW TABLES;

quit

# Example on how to run STACKs ref\_map

meghann@meghann-OptiPlex-9020:~$ ref\_map.pl -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B1\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B1\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B1\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B1\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B1\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B1\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B2\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B2\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B2\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B2\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B2\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B2\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B3\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B3\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B3\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B3\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B3\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_B3\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F1\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F1\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F1\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F1\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F1\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F1\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F2\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F2\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F2\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F2\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F2\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F2\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F3\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F3\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F3\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F3\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F3\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_F3\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P1\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P1\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P1\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P1\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P1\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P1\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P2\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P2\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P2\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P2\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P2\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P2\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P3\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P3\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P3\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P3\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P3\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_P3\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U1\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U1\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U1\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U1\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U1\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U1\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U2\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U2\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U2\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U2\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U2\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U2\_TGCAT.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U3\_AACCA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U3\_CAACC.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U3\_AGCTA.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U3\_GCATG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U3\_GGTTG.1\_aligned\_reads.bam -s /media/BaumsServer/PalmataSNPs/stacks/Bowtie2/Read1/Bowtie2\_on\_U3\_TGCAT.1\_aligned\_reads.bam -o /media/BaumsServer/PalmataSNPs/stacks -n 4 -m 5 -T 8 -B R1\_radtags -O /media/BaumsServer/PalmataSNPs/PopulationFiles/PopulationMap\_4.txt -b 1 -D Fl\_BAH\_PR\_USVI

populations -b 1 -P /media/BaumsServer/PalmataSNPs/stacks -M /media/BaumsServer/PalmataSNPs/PopulationFiles/PopulationMap\_4.txt -r 0.6 -m 5 -f p\_value -p 4 --fasta --genepop --structure --lnl\_lim -10.0 -a 0.05 --fstats --write\_single\_snp