# Requires mobsuite

# I just ran this on commandline because things were taking awhile to queue

# (bad etiquette, I know)

# Nothing too fancy here :)

# Probably smart to add a line to check for completed files

# in case loop is interrupted

source /fs02/pa12/WoodsL/miniconda/bin/activate base

conda activate mob\_suite\_env

# Mob init just needs to be run the first time

#mob\_init

for item in ../MAGs/\*bin123.fa

do

sample\_name=$(basename $item ".fa")

# Mob recon fuses the id and description,

# so removing decription in temp version

# However, need file name to remain the same

# so making a new dir

mkdir temp\_mob\_dir\_${sample\_name}

cp $item temp\_mob\_dir\_${sample\_name}/${sample\_name}\_temp.fa

awk '{print $1}' temp\_mob\_dir\_${sample\_name}/${sample\_name}\_temp.fa > temp\_mob\_dir\_${sample\_name}/${sample\_name}.fa

#sed -i 's/^\(>[^\*\).\*/\1/' temp\_${sample\_name}\_for\_mob.fa

mob\_recon -o ${sample\_name}\_recon2/ -i temp\_mob\_dir\_${sample\_name}/${sample\_name}.fa -c -t

rm -r temp\_mob\_dir\_${sample\_name}/

done