summarize\_taxa.py -i otutable.biom -o taxa -L "2,3,4,5,6,7"

filter\_samples\_from\_otu\_table.py -i otutable.biom -m map.txt -s 'AGE\_GROUP:Adult;Country:\*,!GAZ:United States of America'

beta\_diversity.py -i Gevers\_Taxa/Gevers\_CCFA\_RISK\_study\_1939\_gg\_ref\_13\_8\_L6.biom -m bray\_curtis -o bray\_curtis/

beta\_diversity.py -i Gevers\_CCFA\_RISK\_study\_1939\_gg\_ref\_13\_8.biom -m weighted\_unifrac -o gevers\_unifrac/ -t ../src/97\_otus.tree

Rscript runKerns.r 'data/mapping/Yatsunenko\_global\_gut\_study\_850\_mapping\_file.txt' 'data/Yatsunenko\_Taxa/Yatsunenko\_global\_gut\_study\_850\_gg\_ref\_13\_8\_L7.txt' 'data/unifrac/weighted\_unifrac\_Yatsunenko\_global\_gut\_study\_850\_gg\_ref\_13\_8\_L7.txt' “list(op=’>’, var=’AGE’, val=3)” 'COUNTRY' "c('GAZ:United States of America')" "c(‘GAZ:Malawi', ‘GAZ:Venezuela’)" “GlobalGut\_WesternVsNon\_AgeOver3”

Rscript runKerns.r 'data/mapping/Yatsunenko\_global\_gut\_study\_850\_mapping\_file.txt' 'data/Yatsunenko\_global\_gut\_study\_850\_gg\_ref\_13\_8\_L7.txt' 'data/unifrac/weighted\_unifrac\_Yatsunenko\_global\_gut\_study\_850\_gg\_ref\_13\_8\_L7.txt' 'SEX' "c('female')" "c('male')"

Rscript src/runKerns.r 'data/mapping/Gevers\_CCFA\_RISK\_study\_1939\_mapping\_file.txt' 'data/otu/Gevers\_CCFA\_RISK\_study\_1939\_gg\_ref\_13\_8.txt' 'data/unifrac/weighted\_unifrac\_Gevers\_CCFA\_RISK\_study\_1939\_gg\_ref\_13\_8.txt' 'ANTIBIOTICS' "c('No')" "c('None','yes')"