**Machine learning identifies unique taxa differentiating proximal and distal human colonic microbiota**

Kaitlin Flynn

Figure set as of 5/15/17

Figure 1:

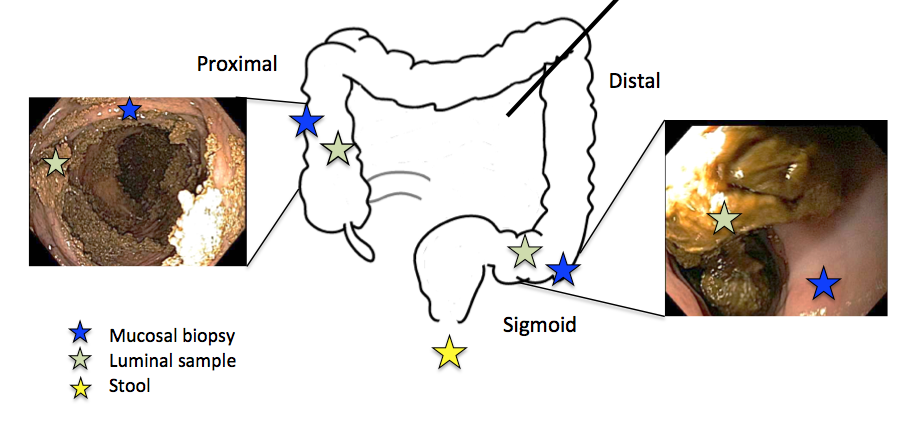


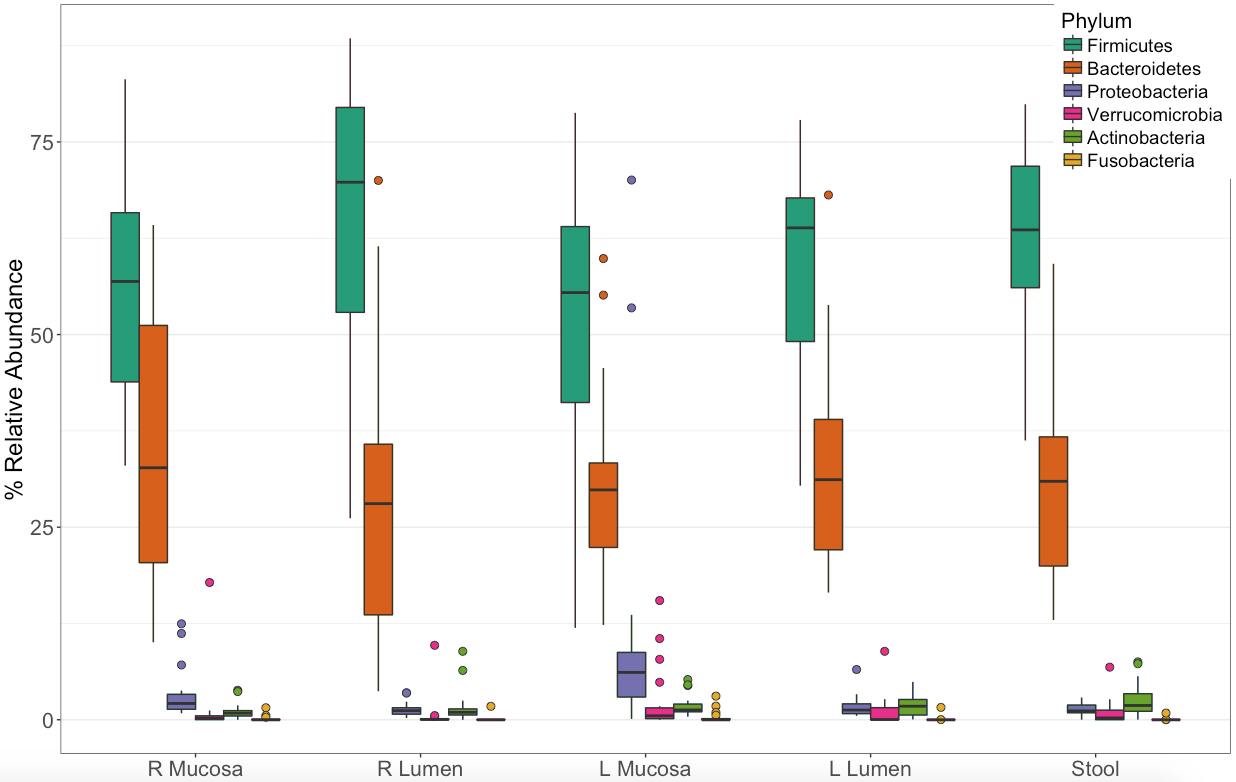
Figure 1: Sampling schematic. Legend goes here.

To do for this figure/analysis:

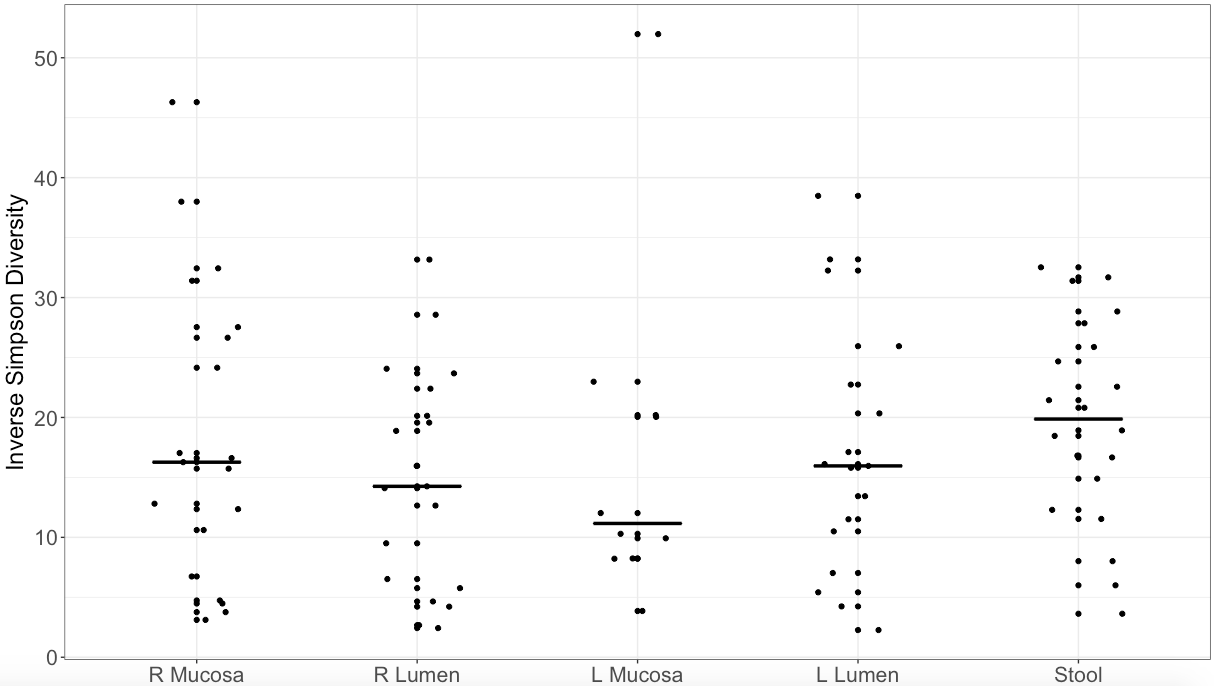
* put into photoshop or something to get the proper resolution
* probably change the colors of the stars, talk to Nick.

Figure 2:

A



B



C

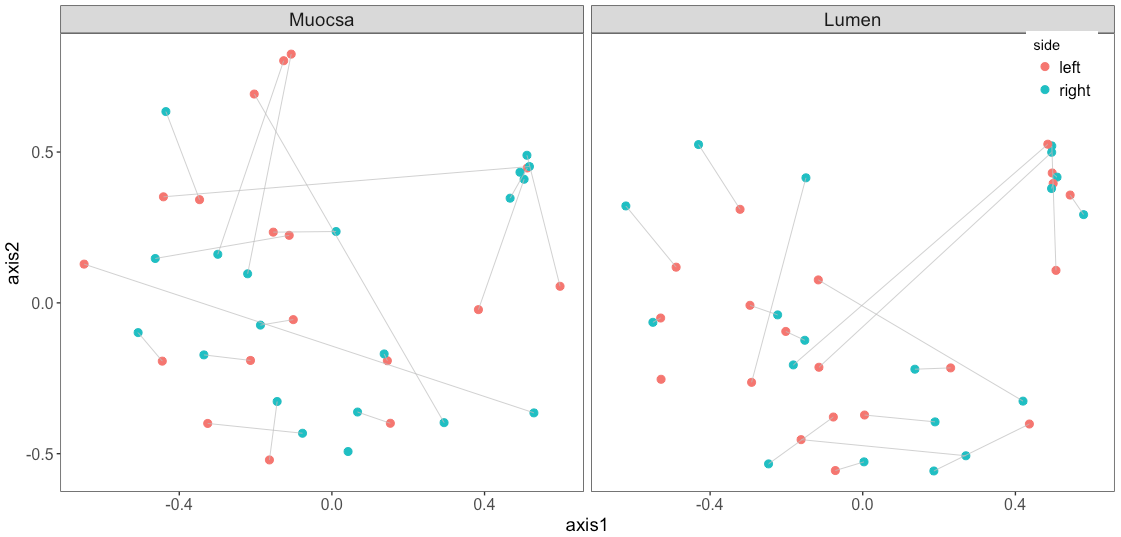


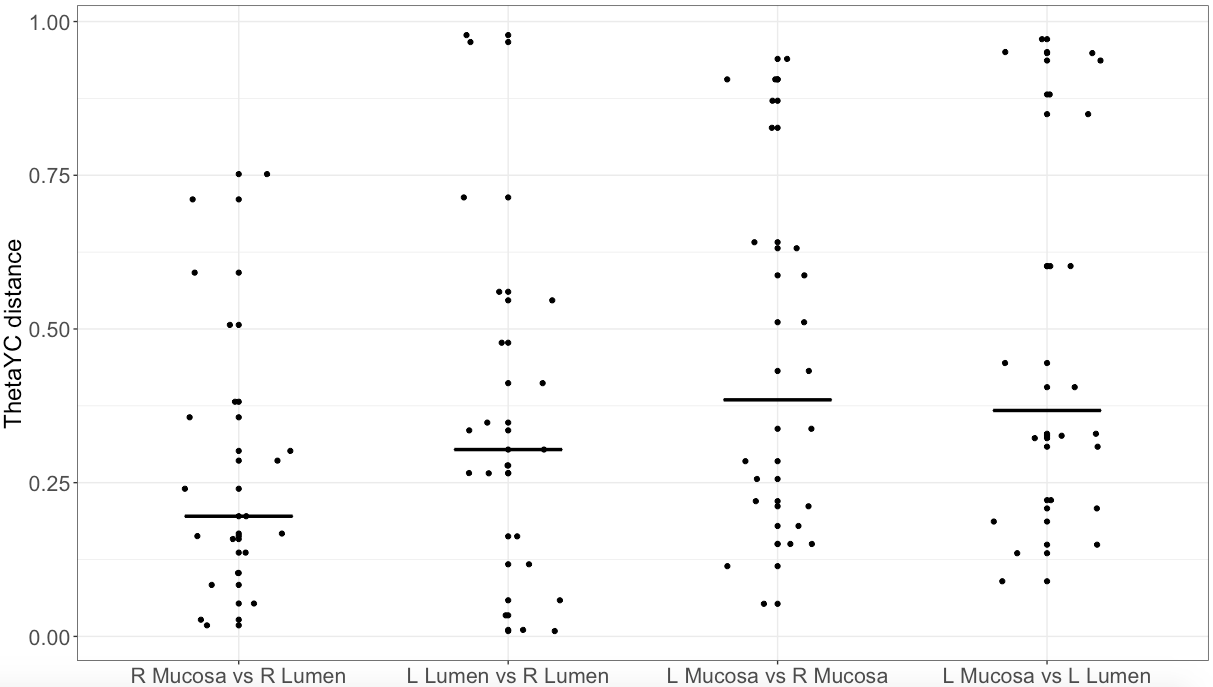
Figure 2: legend goes here

To be done for this:

* export as final sizes/ resolutions / all on one plot
* make a decision about the NMDS plot, or another way to show it. Change default colors if keeping

Figure 3

A



B

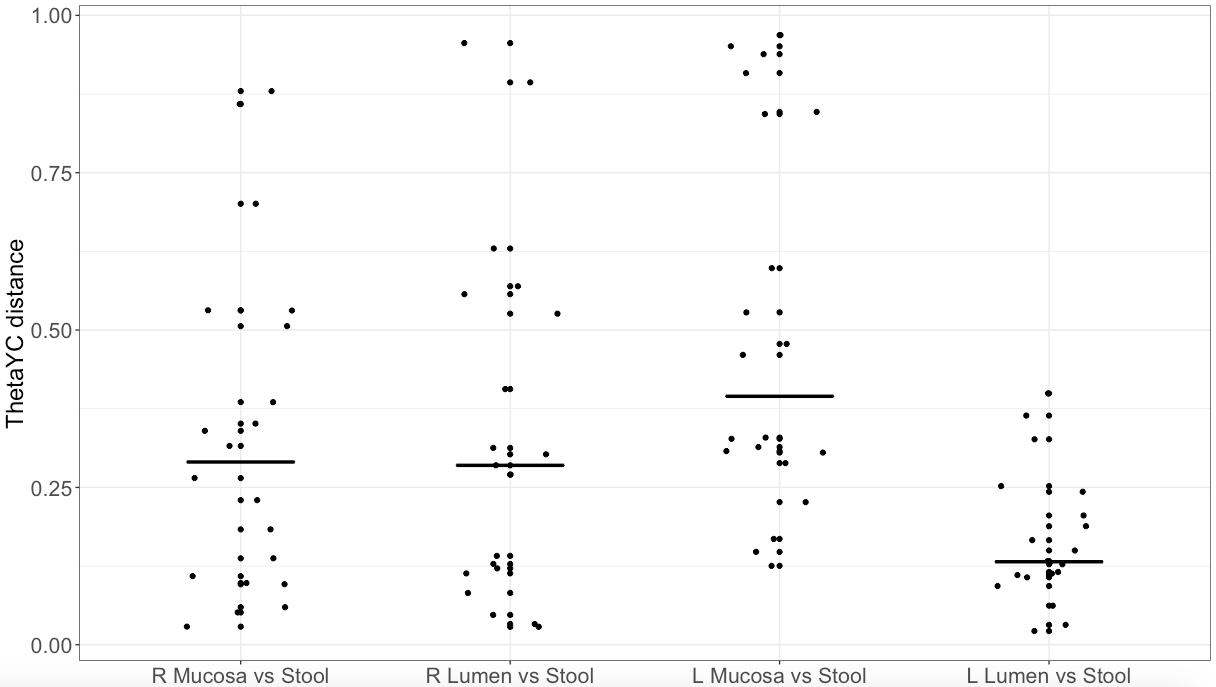


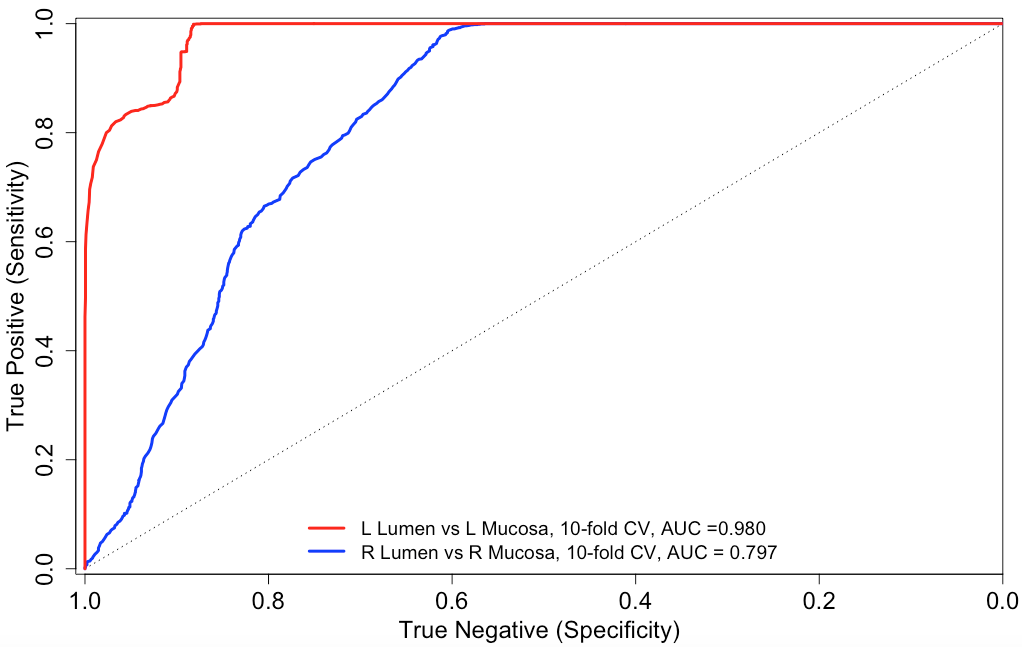
Figure 3: legend goes here.

TBD:

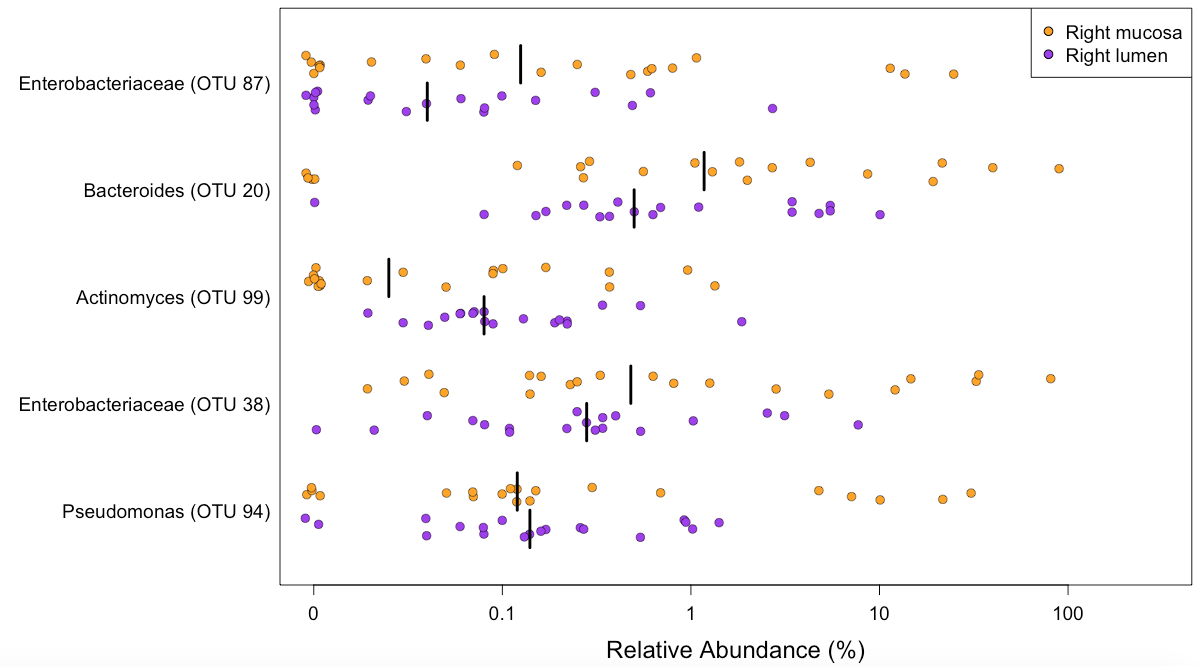
* final plot tweaks, combine into multi plot
* add stats \* or lines on here somewhere

Figure 4:

A

****

**B**

****

**C**

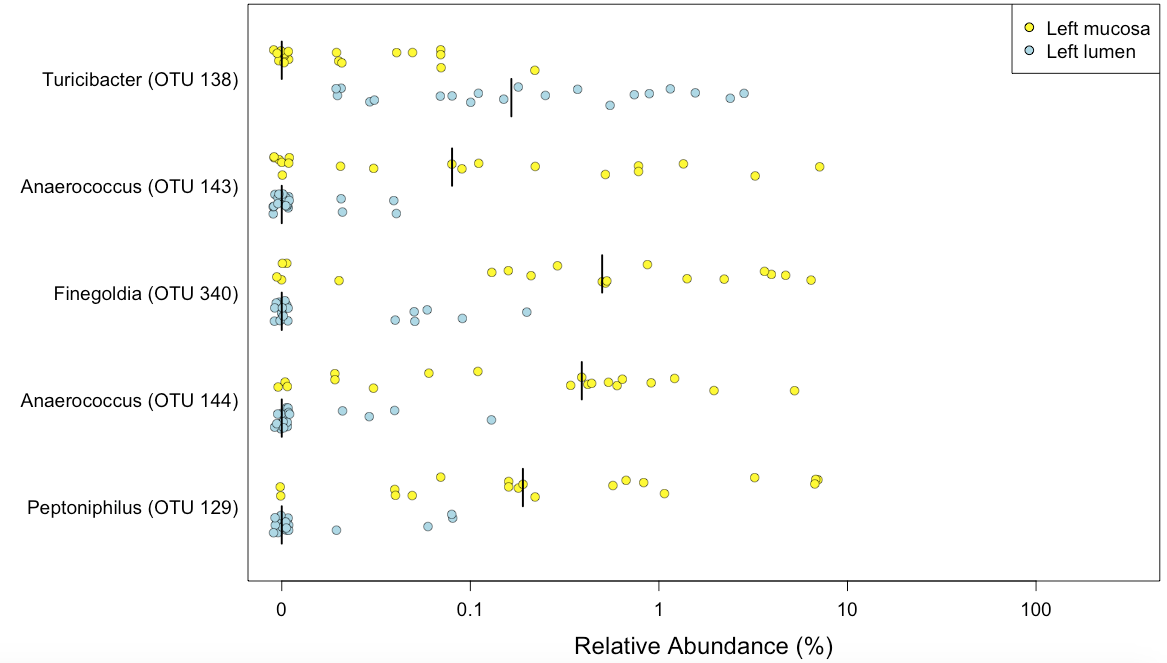
****

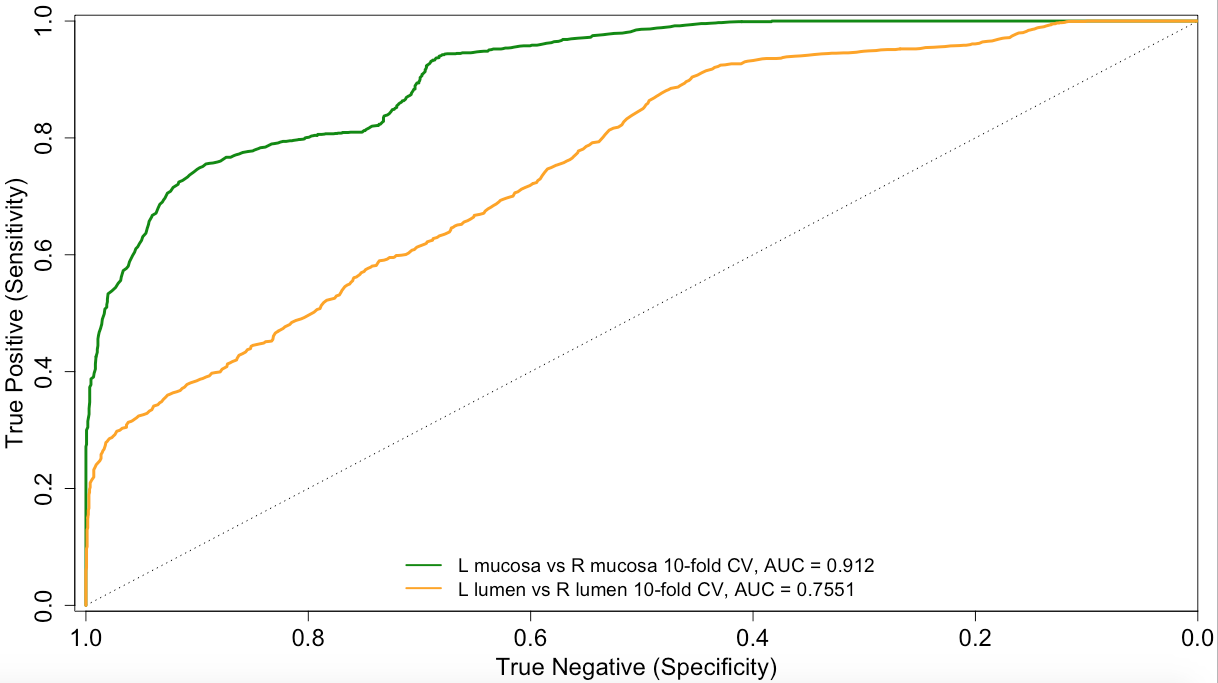
Figure 4 legend:

TBD:

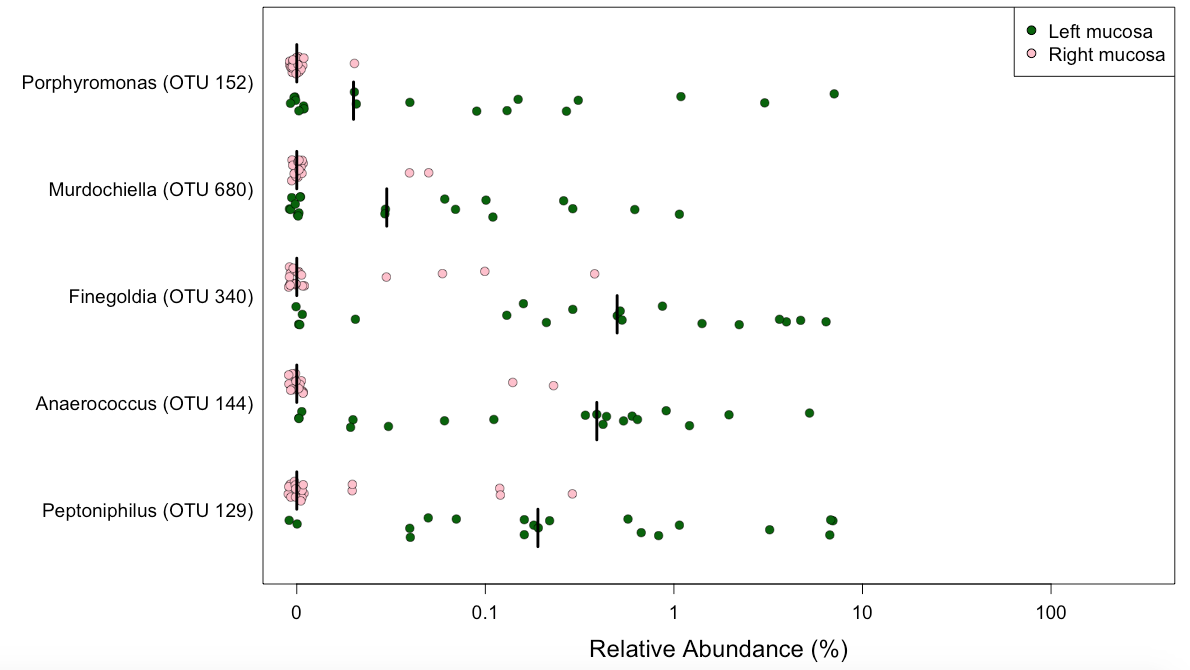
* lumpy model- discuss w Geof
* discuss Xopt and number of top OTUs to display with Marc
* finish plot tweaks/export as one plot

Figure 5:

A



B



C

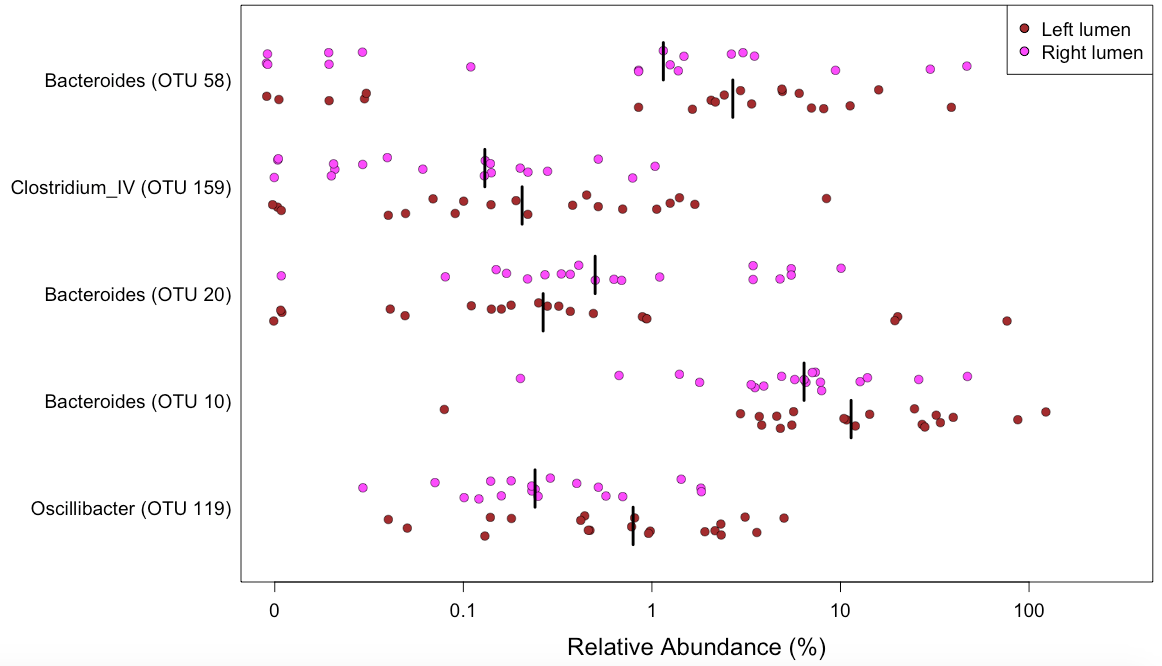


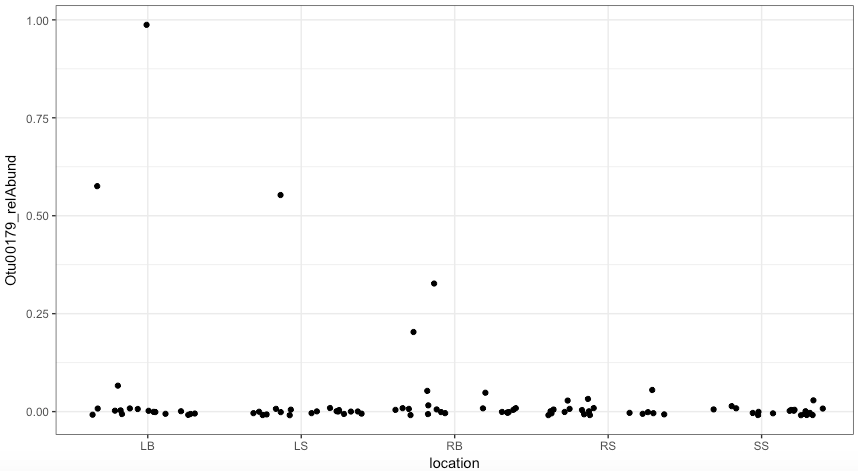
Figure 5 legend

TBD:

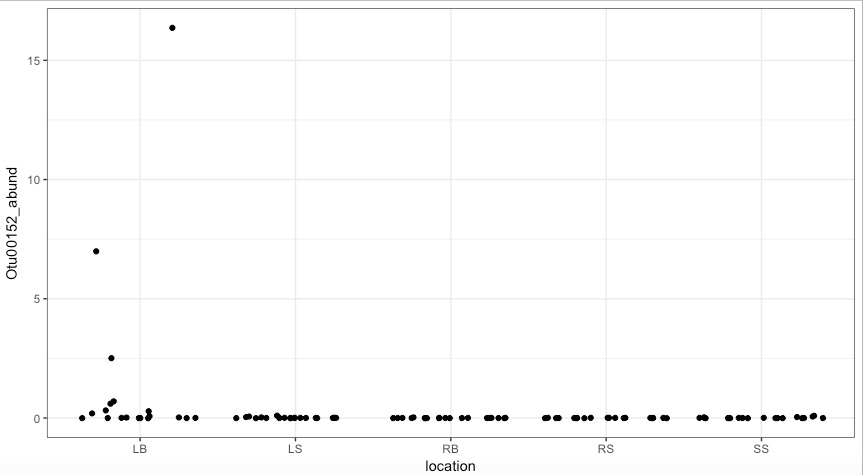
* lumpy model- discuss w Geof
* discuss Xopt and number of top OTUs to display with Marc
* finish plot tweaks/export as one plot

Figure 6 or Table or supplement?

A: F nucleatum abundance



B: P. asacharolytica abundance



c: P. micra abundance

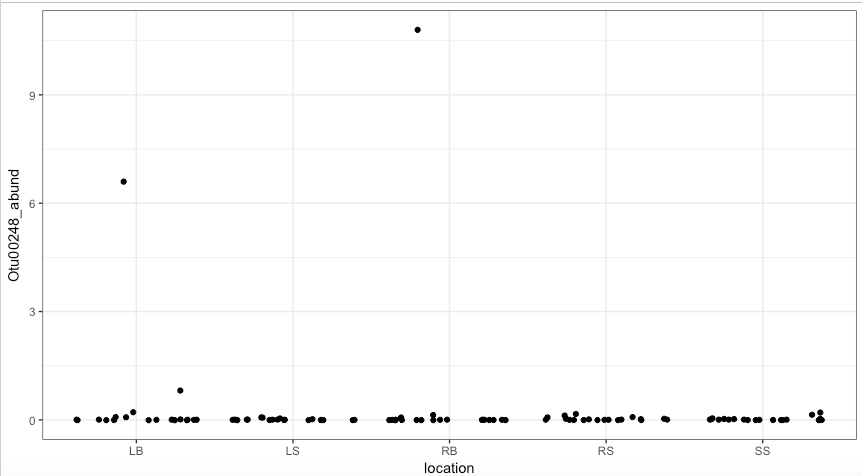


Figure or table 6 legend:

TBD:

* decide on final figures or table
* include other OTUs?

Figure 7, model/schematic of results?