

Figure 4

Abby

03 January, 2018

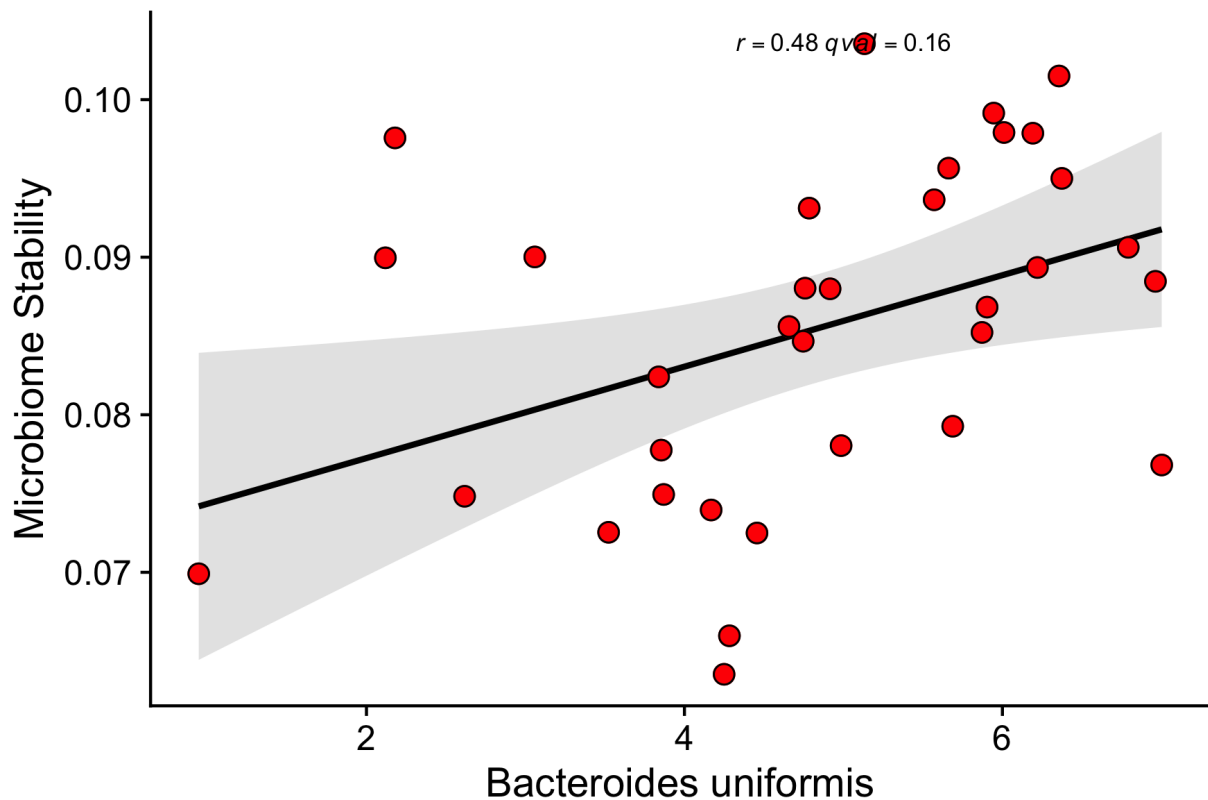
Figure 4: Will show the the correlation between dietary diversity and microbiome diversity

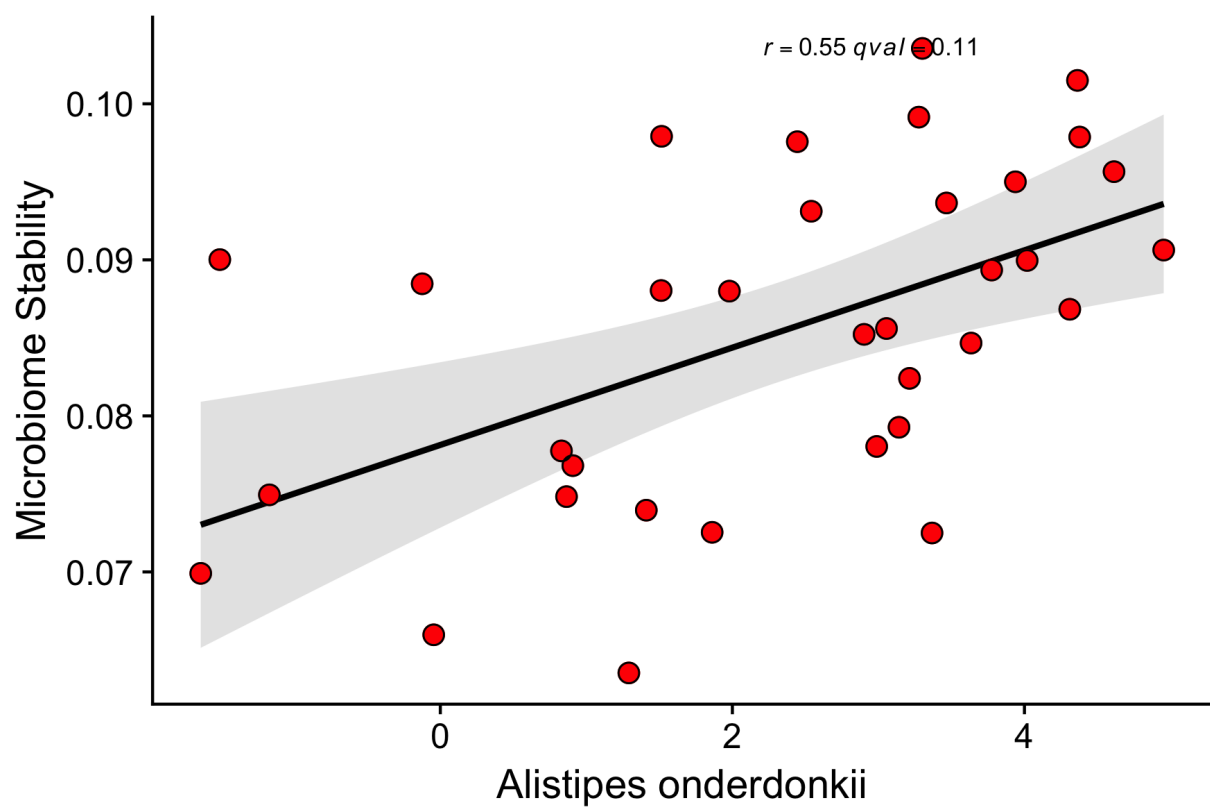
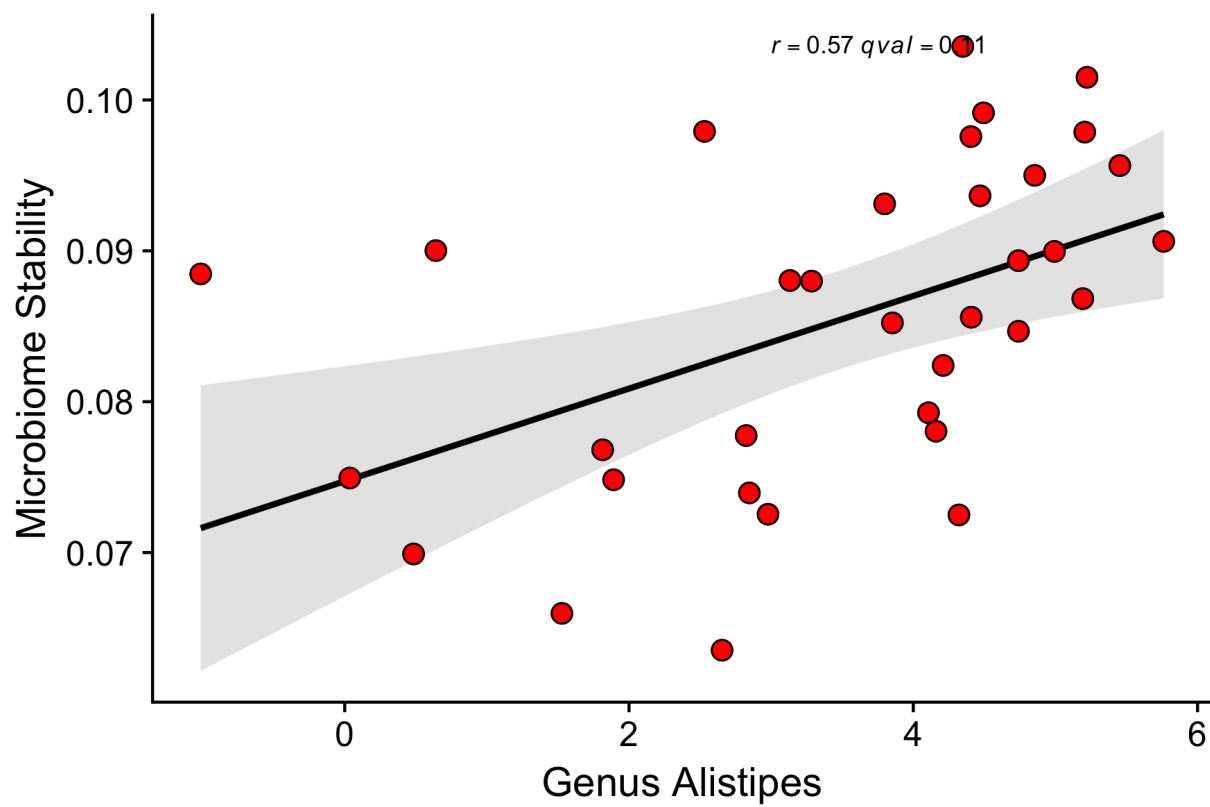
There is a significant correlation between microbiome stability and dietary alpha diversity, so make sure to show that.

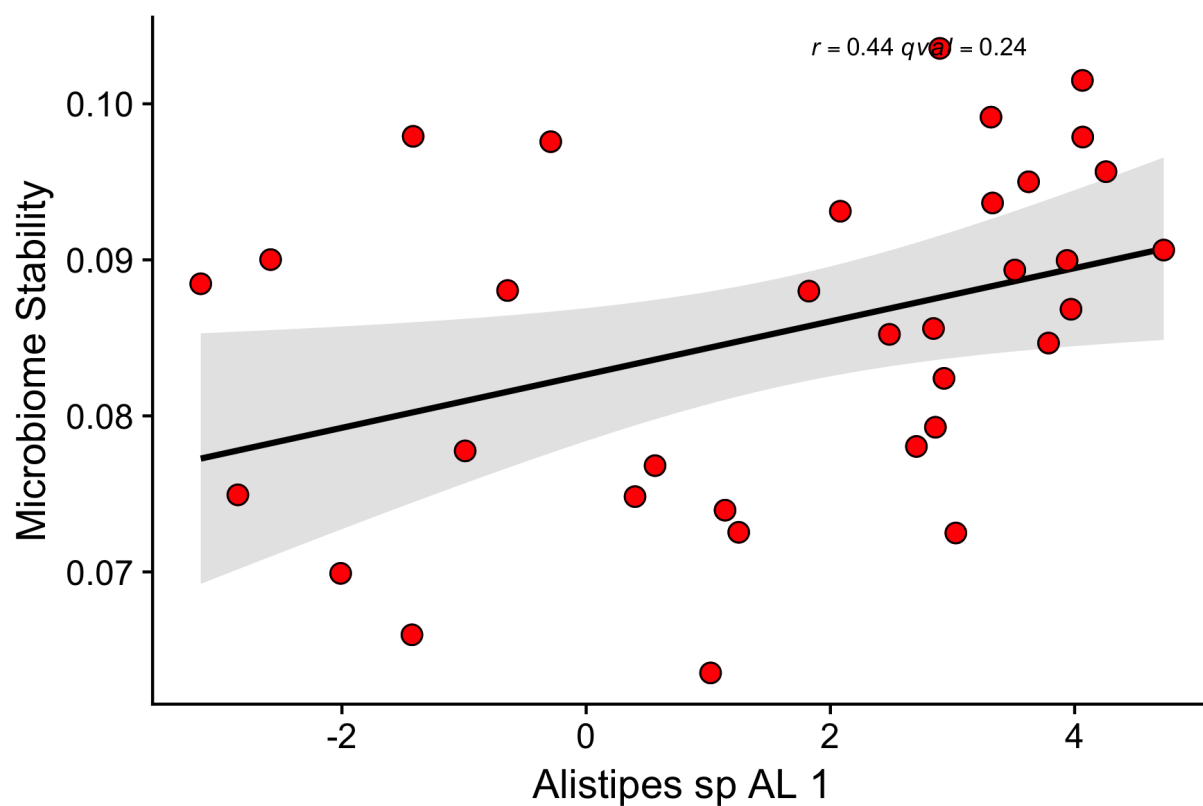
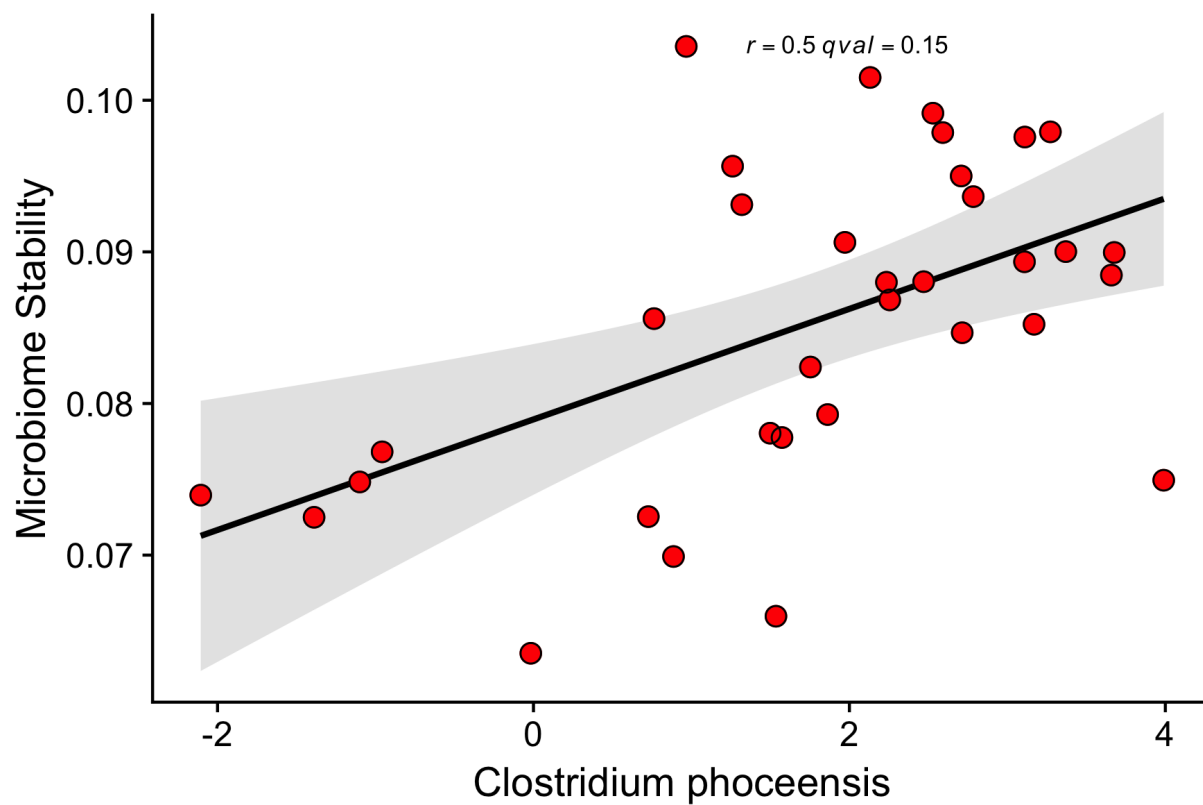
Top panel: Microbime variability v. dietary alpha diveristy and dietary beta diversity Bottom panel

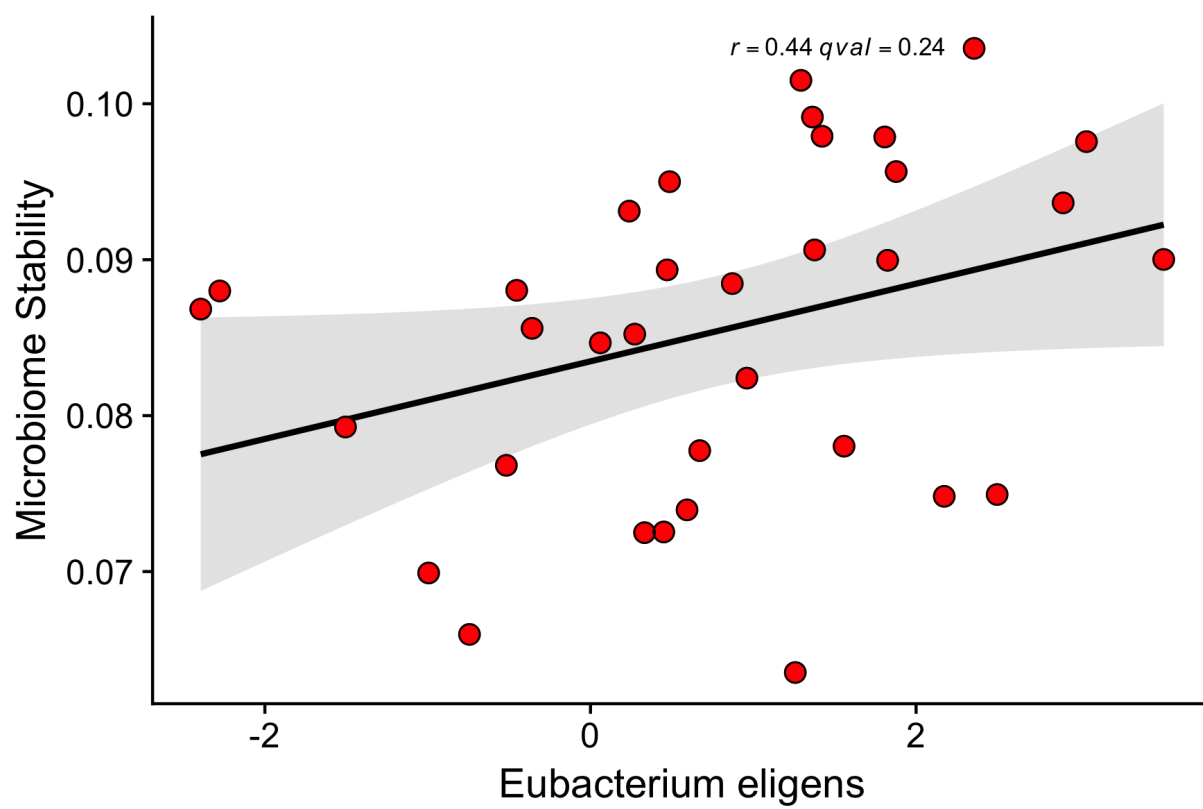
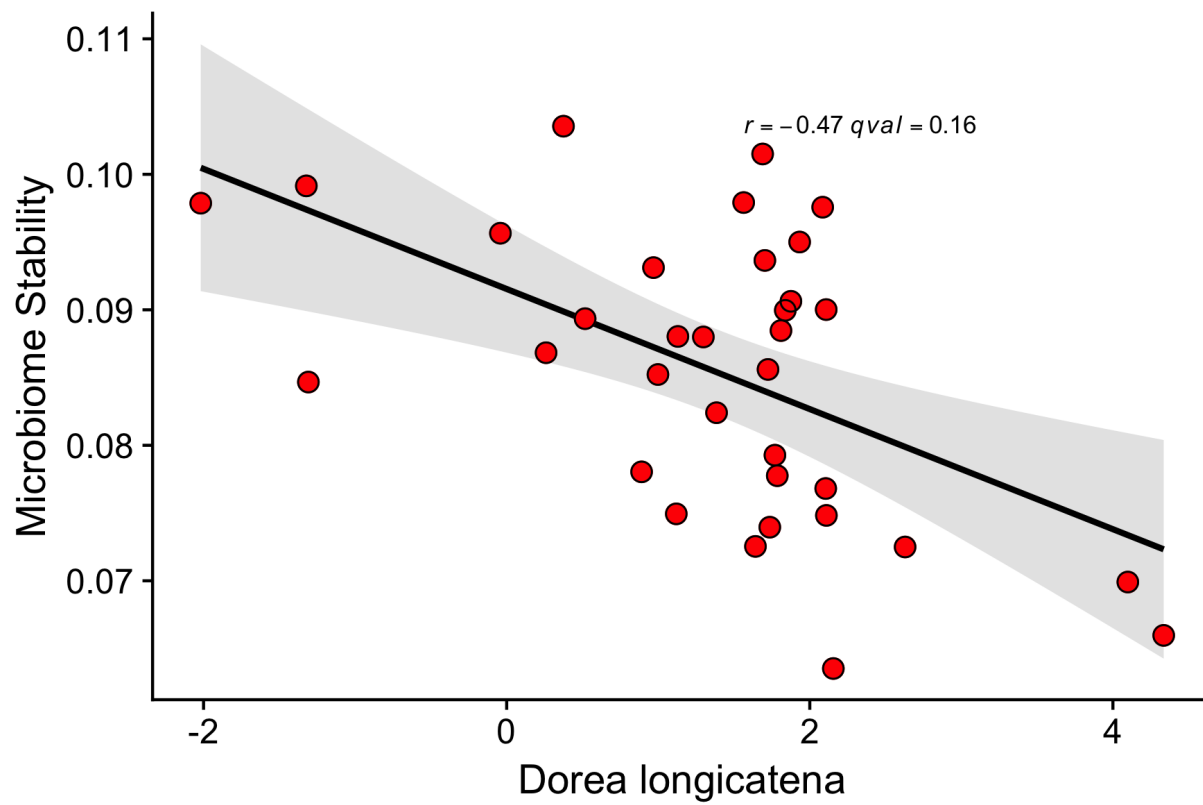
Supplemental will be whatever doesn't fit nicely on the figure. Consider individual foods microbiome stability correlations etc.

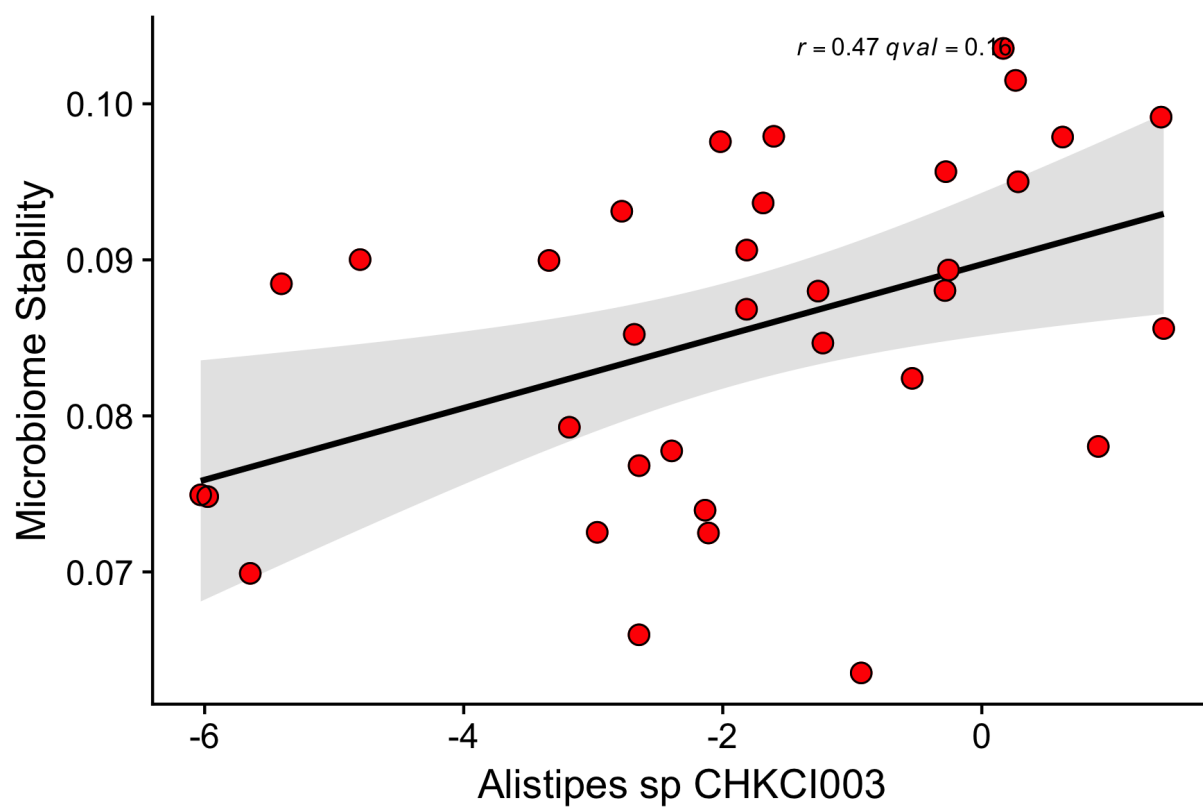
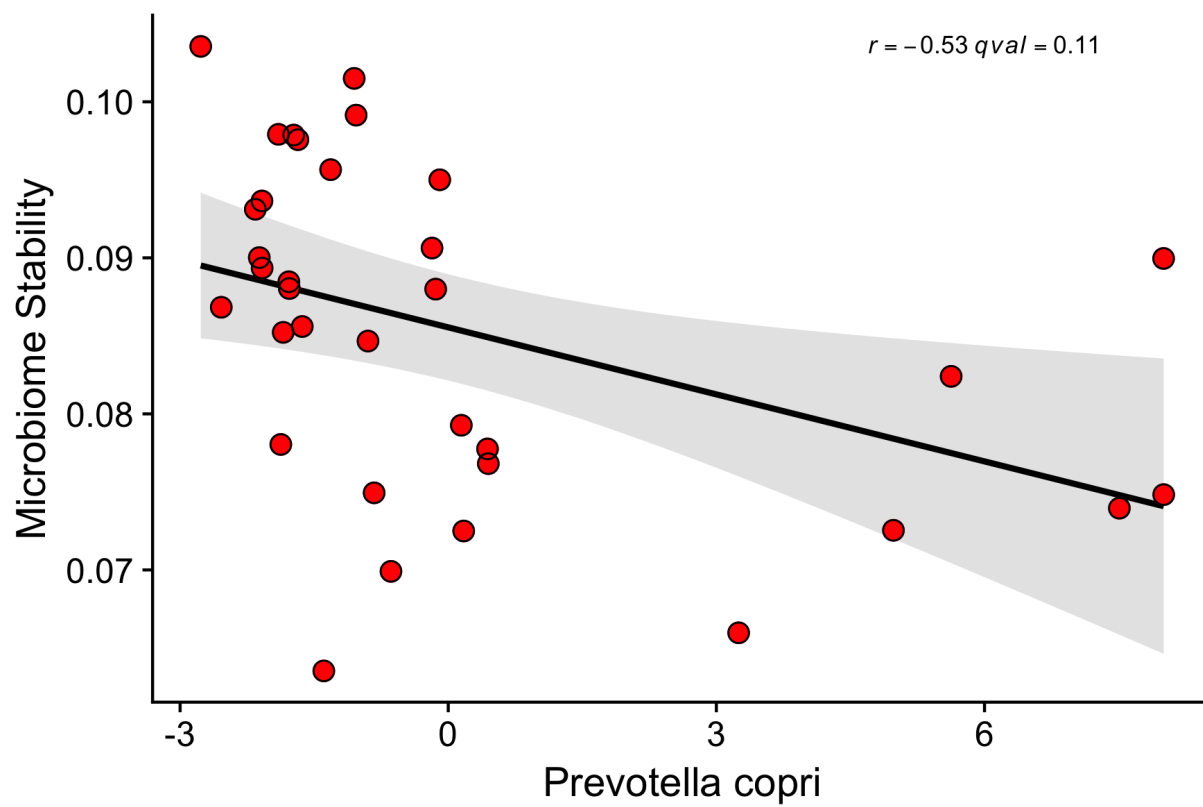
##	Taxa	qvals	cors
## 1	Alistipes_onderdonkii	0.1074707	0.5480519
## 2	Genus_Alistipes	0.1074707	0.5709702
## 3	Prevotella_copri	0.1074707	-0.5315508
## 4	Dakarella_massiliensis	0.1339796	-0.5095493
## 5	Clostridium_phoceensis	0.1459436	0.4954927
## 6	Alistipes_sp_CHKCI003	0.1574795	0.4704354
## 7	Bacteroides_uniformis	0.1574795	0.4774637
## 8	Dorea_longicatena	0.1574795	-0.4692131
## 9	Alistipes_sp_AL_1	0.2372473	0.4362108
## 10	Eubacterium_eligens	0.2372473	0.4362108

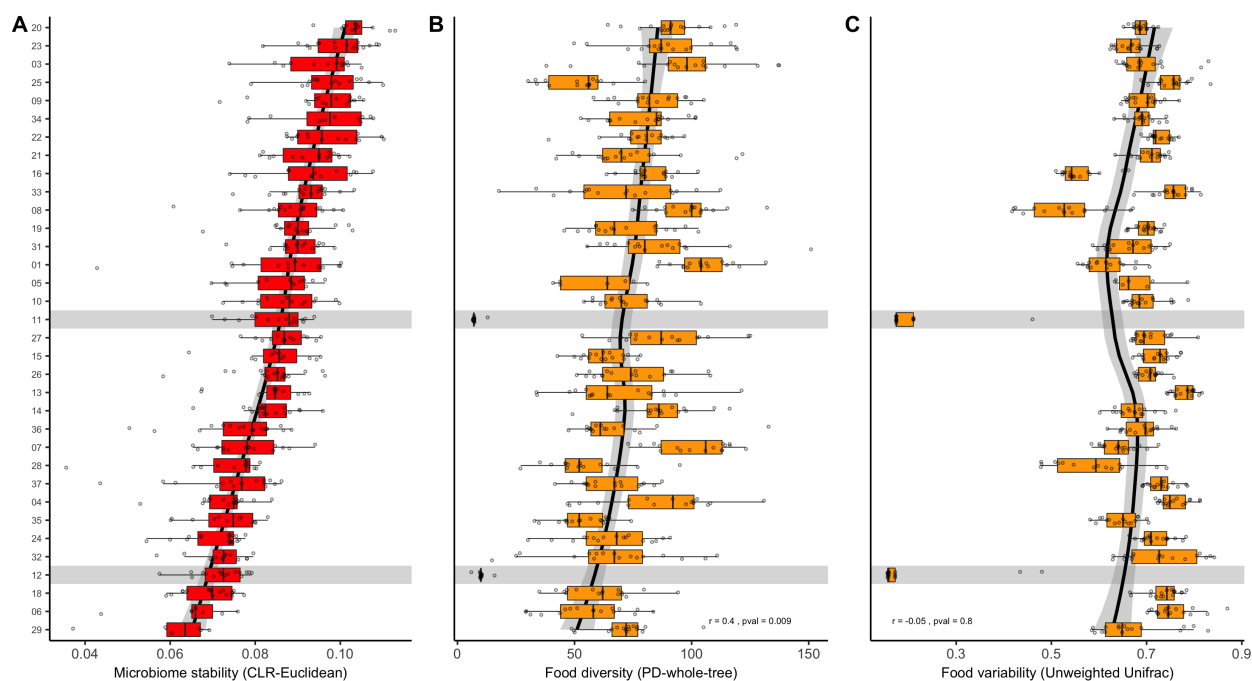
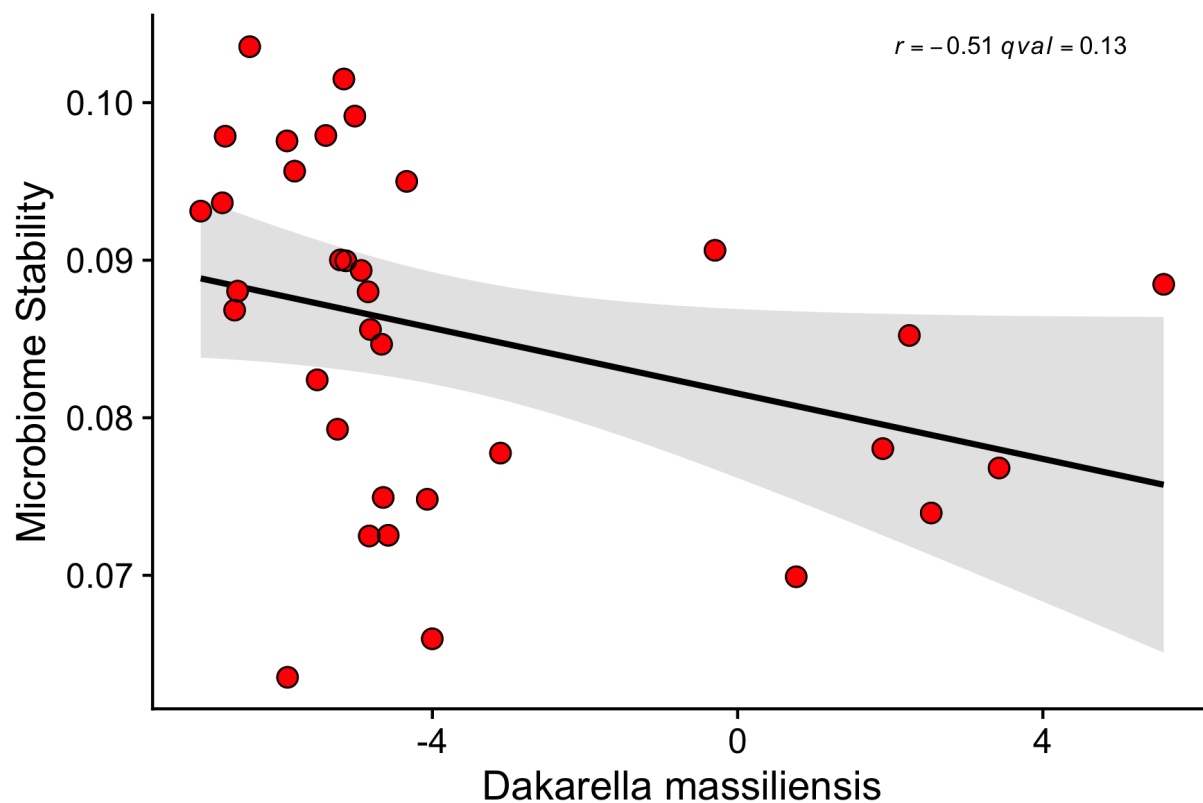












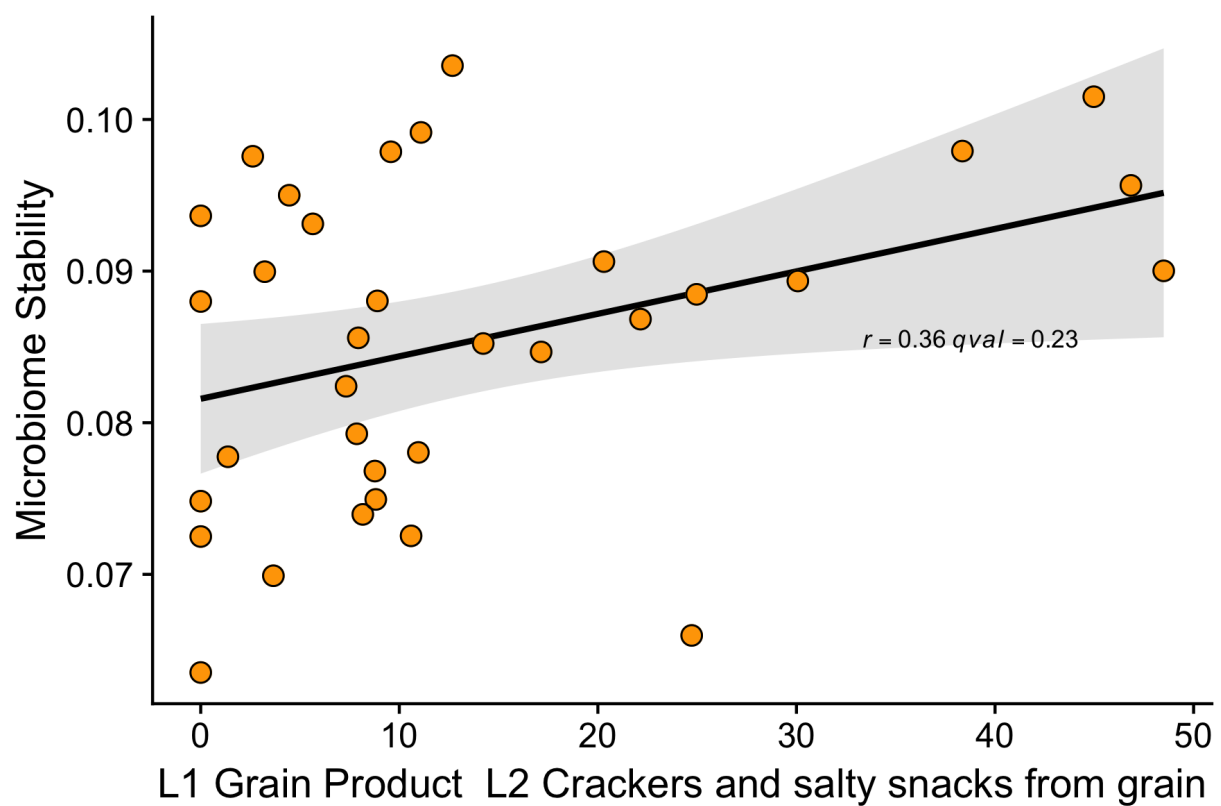
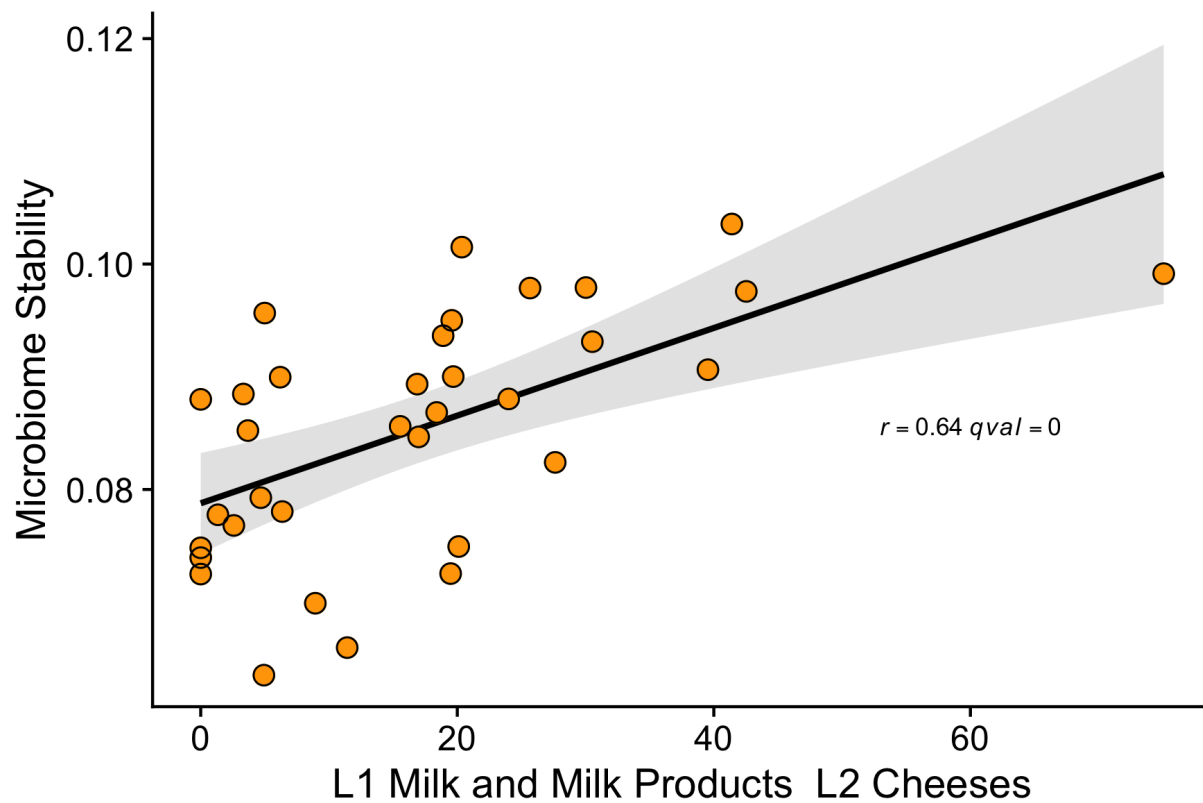
Food	qvals
L1_Milk_and_Milk_Products_L2_Cheeses	0.002104241
L1_Fats_Oils_and_Salad_Dressings_L2_Fats	0.133450503
L1_Milk_and_Milk_Products_L2_Creams_and_cream_substitutes	0.133450503
L1_Grain_Product_L2_Pancakes_waffles_French_toast_other	0.170346707

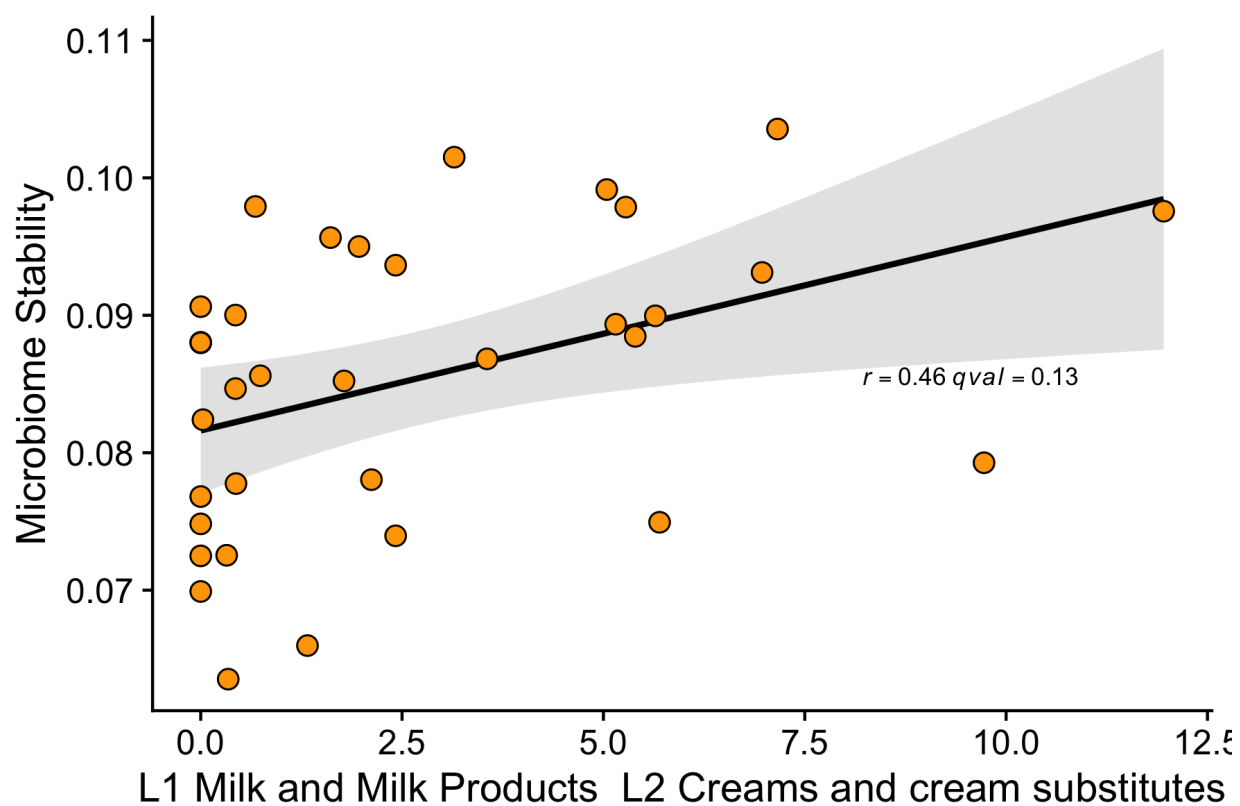
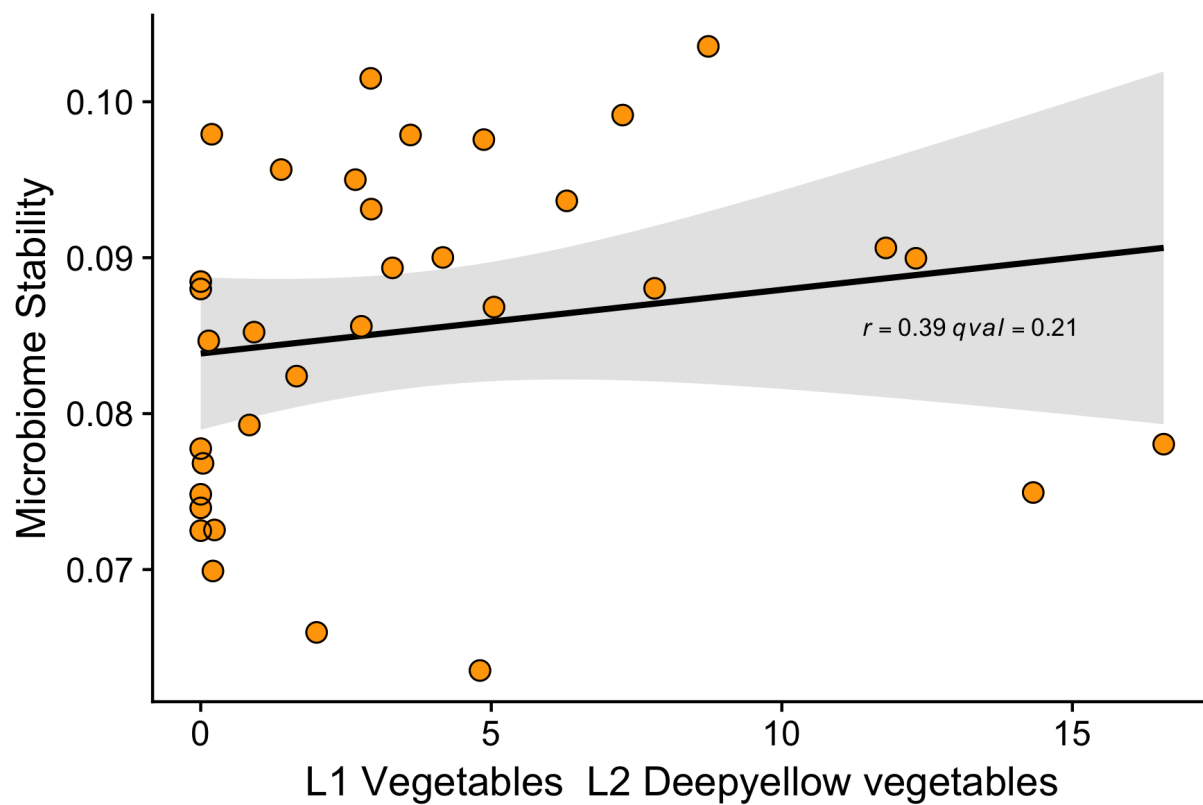
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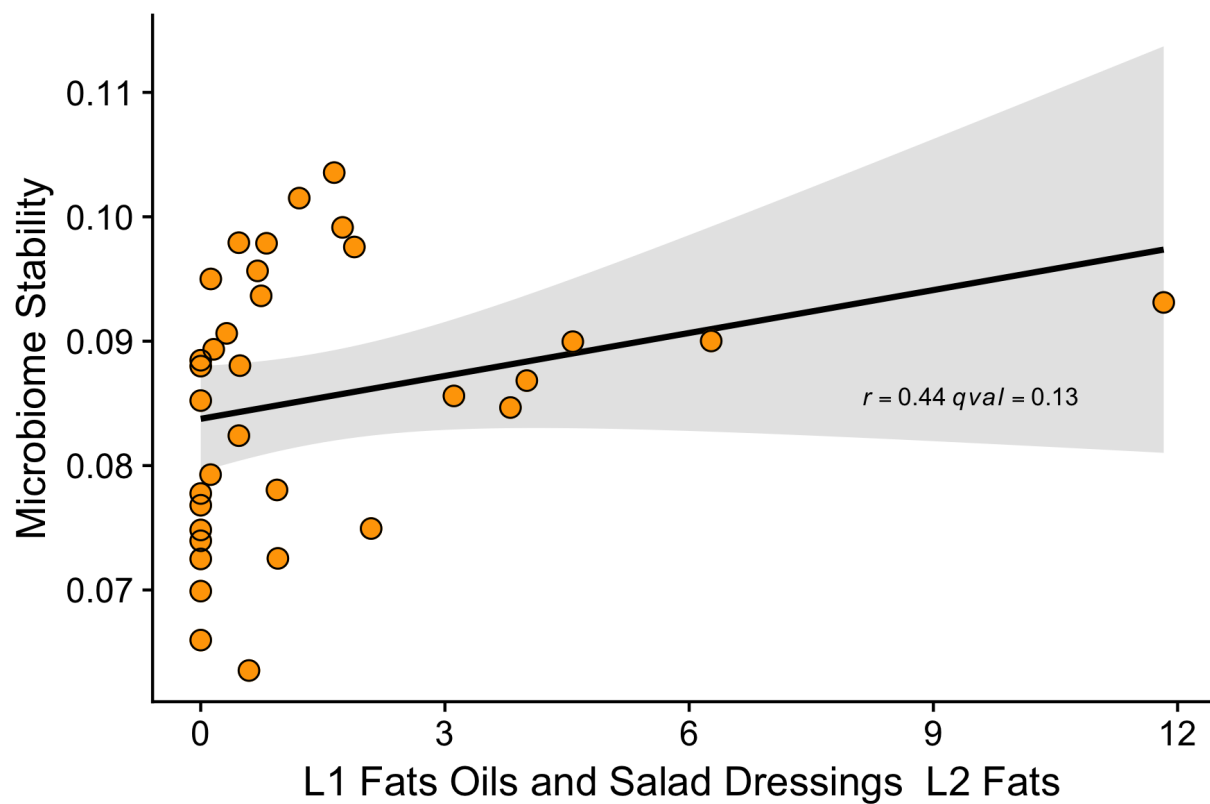
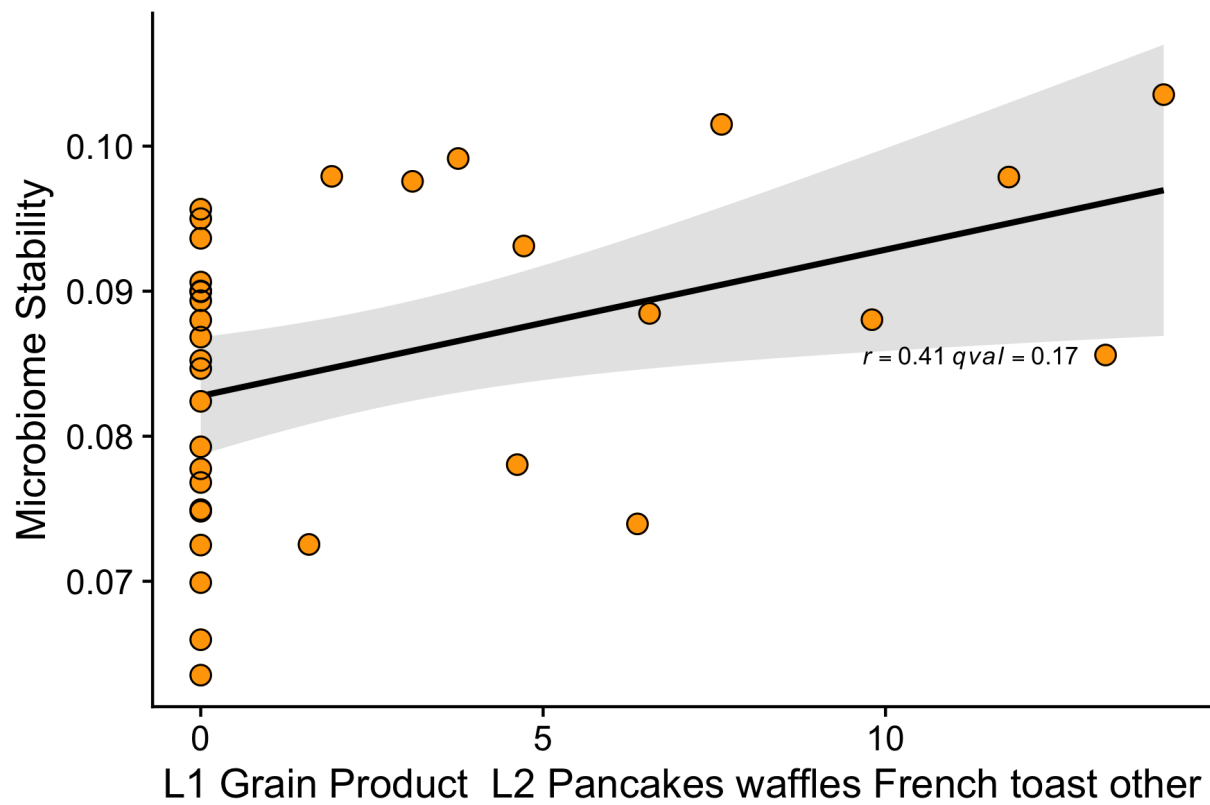
## 5          L1_Vegetables__L2_Deepyellow_vegetables 0.214941421
## 6 L1_Grain_Product__L2_Crackers_and_salty_snacks_from_grain 0.226834358
## 7      L1_Sugars_Sweets_and_Beverages__L2_Sugars_and_sweets 0.226834358
##      cors
## 1 0.6394497
## 2 0.4418155
## 3 0.4611060
## 4 0.4132133
## 5 0.3866732
## 6 0.3622039
## 7 0.3675684

```









Row.names qvals cors

```
## 1    Axis.3 0.09923494 -0.39626100
## 2    Axis.4 0.09923494 -0.36546921
## 3    Axis.2 0.18376813  0.28775660
## 4    Axis.1 0.80952048  0.05021994
## 5    Axis.5 0.80952048 -0.04435484
```