Notes for new Chapter 2

Across regions (all samples, this includes humans and mus)

* Richness - differences between all regions
* Shannon and Faith – no difference between Capira and Chorrera

Across habitats (all samples, this includes humans and mus)

* All metrics, no difference between pasture and peridomestic
* Difference between Forest:Pasture and Forest:Peridomestic

Across Capira

* Richness – difference between pasture and peridomestic (could this be driving the difference in region at richness)
* Shannon and Faith – no difference between pasture and peridomestic

Across Chorrera

* Richness, shannon, and faith – no difference between habitat types

Across Veraguas

* Only difference – forest:peridomestic in Shannon

Across positive samples

* Richness: No difference between pasture and forest, difference between the other pairs
* Shannon: no difference between pasture and peridomestic, differences between the other pairs
* Faith: no difference between any pairs

Across negative samples

* Richness: no difference between any samples (0.054 in forest:peridomestic and forest:pasture)
* Shannon: No difference between pasture and peridomestic, differences between the other pairs
* Faith: Difference between forest and pasture, no difference between the other pairs (0.064 in forest:peridomestic)

Across Tcruzi positive samples at Veraguas

* No difference in richness, Shannon, or Faith across habitat types

Across Tcruzi negative at Veraguas

* No difference in richness across habitats
* Shannon: No difference between pasture and peridomestic, differences between the other pairs
* Faith: No difference between forest and peridomestic, differences between the other pairs

Across Capira positives

* Differences between pasture and peridomestic in all metrics

Across Capira negative

* No difference between pasture and peridomestic in all metrics

Across Chorrera positive

* No difference between pasture and peridomestic across all metrics

Across Chorrera negative

* No difference between pasture and peridomestic across all metrics

In canal sites, there are no difference between pasture and peridomestic NEGATIVE samples

In POSITIVE samples, there is no difference in habitat at Veraguas, but there is difference in habitat at Capira all ALL METRICS

At NEGATIVE Veraguas, richness shows no difference.

* **Shannon** shows difference between **forest**:peridomestic and **forest**:pasture –
  + whats up with forest sites at Veraguas that only shows up in negative samples
    - Look up things about Veraguas negative **forest** samples – blood meals
* **Faith** shows differences between **pasture**:peridomestic and **pasture**:forest
  + Whats up with samples at pasture sites that only shows up in negative samples
    - Look up things about Veraguas negative **pasture** samples
      * Veraguas, negative, pasture

When only looking at Veraguas pasture palms, negative samples had mostly Heteromys while positive samples (which didn’t show a difference) had an even split between Heteromys and didelphis

* Maybe blood meal species explains differences we see between infection and habitat type and region