

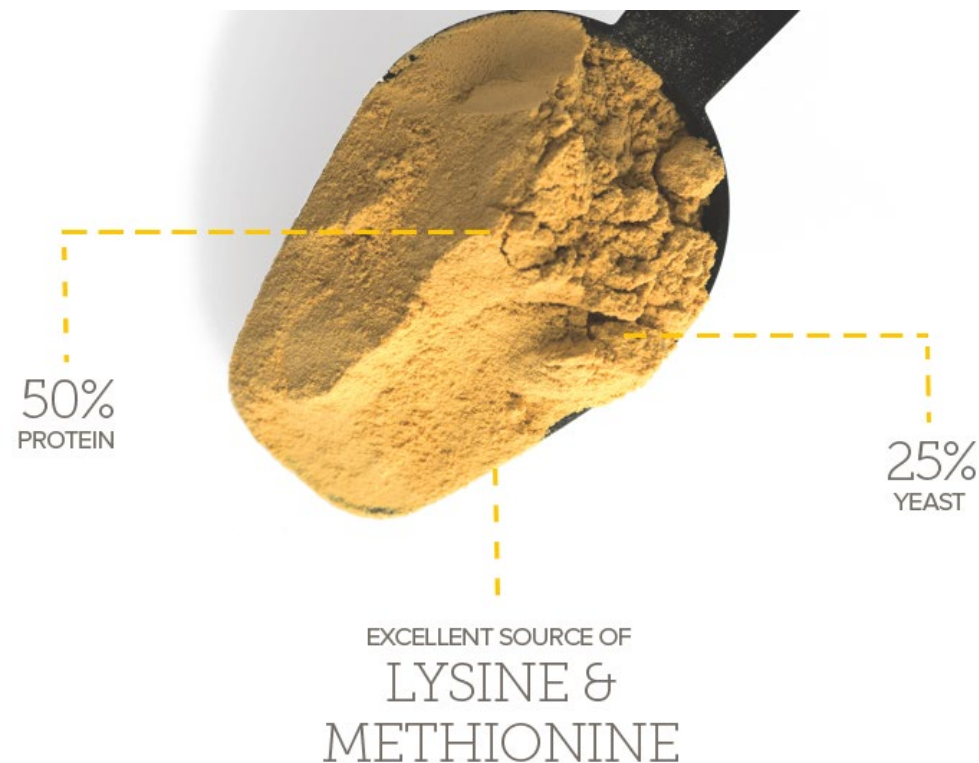
Evaluation of corn fermented protein (CFP) on the fecal microbiome of dogs

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Why Include CFP in Pet Food?

1. Sustainable and affordable
2. High in protein
3. Unique
 - Not an oilseed or legume protein
 - Cereal based + a fermentation product
4. Promote animal health

Improve consumer perception!

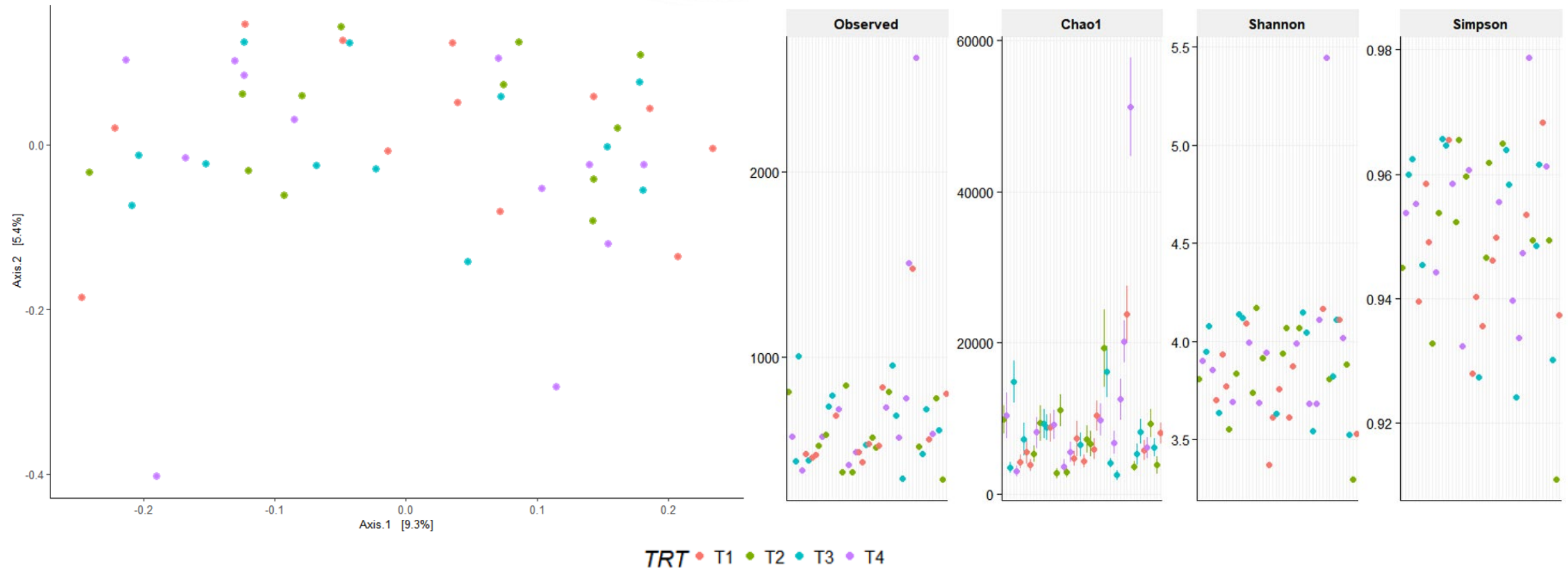


Dietary Treatments

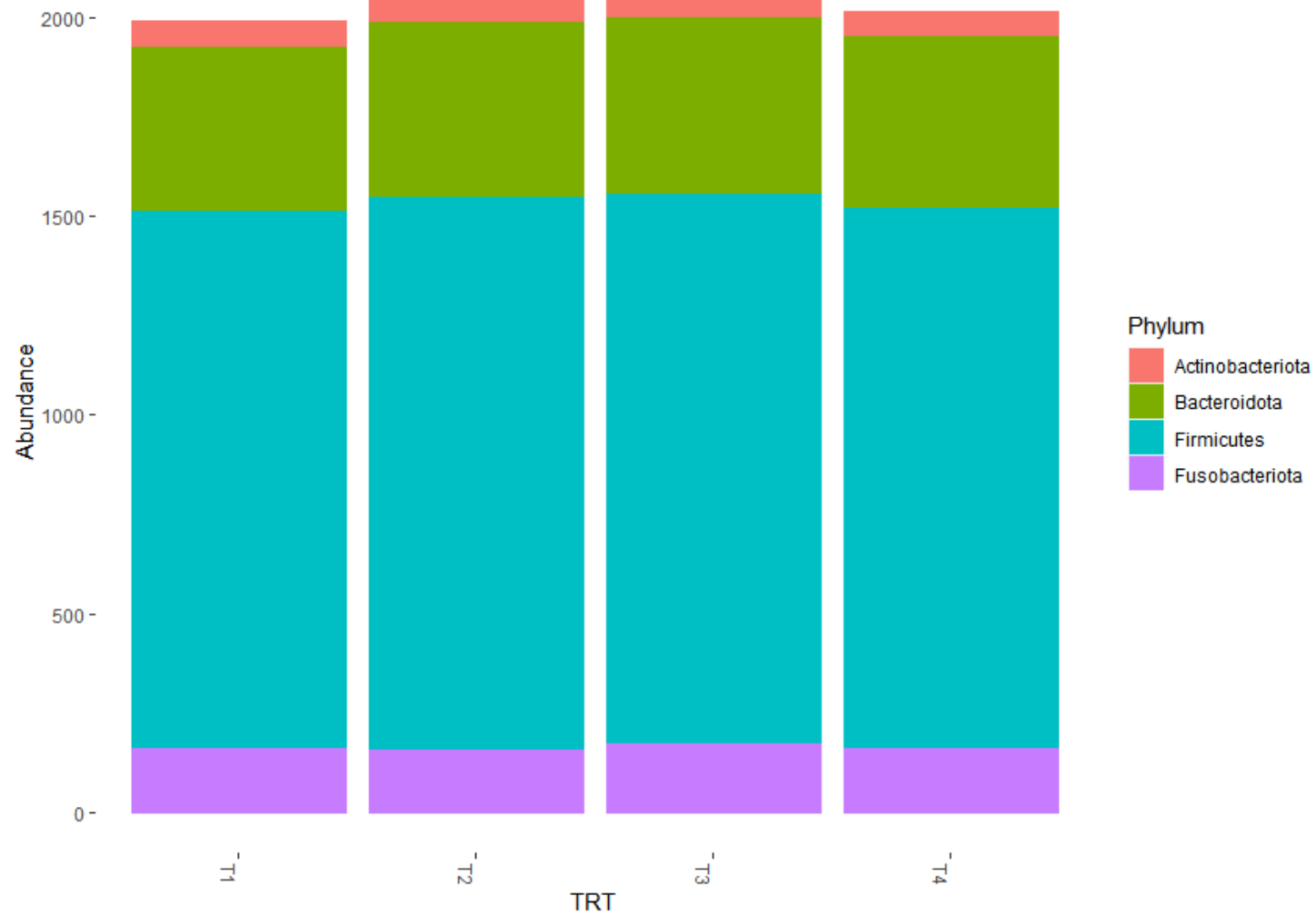
Ingredient, %	T1	T2	T3	T4
Corn	34.6	30.0	30.0	34.6
Chicken Meal	30.0	35.0	35.0	30.0
SBM	15.0	8.0	-	-
DDGS	-	-	17.5	-
CFP	-	-	-	17.5
BDY	-	3.5	2.5	-
CGM	5.0	2.0	-	-
Corn Starch	-	6.5	-	2.5
Chicken Fat	6.0	5.6	5.6	6.0
Other	9.4	9.4	9.4	9.4

Nutrient, % DM	T1	T2	T3	T4
Dry Matter	95.61	95.92	94.78	95.38
Organic Matter	90.54	90.44	90.62	91.78
Crude Protein	41.13	40.82	38.18	37.55
Fat	13.15	13.07	14.82	13.70
Total Dietary Fiber	13.58	13.16	18.39	15.07
Insoluble Dietary Fiber	10.03	10.02	14.28	12.41
Soluble Dietary Fiber	3.65	3.14	4.10	2.64

Beta and Alpha Diversity



Phyla Relative Abundance



Conclusion

- CFP did not alter the overall diversity of the fecal microbiome of healthy adult dogs over a 14-day period
- Health status of dogs was maintained when fed CFP
- CFP can be utilized as a novel ingredient for dog food

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