

Carbohydrate-free peach (*Prunus persica*) and plum (*Prunus domestica*) juice affects fecal microbial ecology in an obese animal model

Giuliana D. Noratto^{1,a,b}, Jose F. Garcia-Mazcorro^{2,b}, Melissa Markel³, Hercia S. Martino¹, Yasushi Minamoto³, Jörg M. Steiner³, David Byrne⁴, Jan S. Suchodolski³ & Susanne U. Mertens-Talcott^{1,5*}

1 Department of Nutrition and Food Science, Texas A&M University, College Station, Texas, United States of America

2 Facultad de Medicina Veterinaria y Zootecnia, Universidad Autónoma de Nuevo León, General Escobedo, Nuevo León, México

3 Gastrointestinal Laboratory, Texas A&M University, College Station, Texas, United States of America

4 Department of Horticultural Sciences, Texas A&M University, College Station, Texas, United States of America

5 Veterinary Physiology and Pharmacology, Texas A&M University, College Station, Texas, United States of America

^a Current address: School of Food Science, Washington State University, USA.

^b These authors contributed equally to this study.

* **Email:** SMTalcott@tamu.edu

Table S2 Median (minimum-maximum) indices of bacterial diversity (Shannon Weaver and Chao1 3%) and richness (OTUs 3%) obtained from fecal samples of one lean subject, control, peach and plum groups. *P* values come from the non-parametric Kruskal-Wallis.

	Lean*	Control (<i>n</i> =4)	Peach (<i>n</i> =4)	Plum (<i>n</i> =4)	P value
Chao1	699	512 (427-530) ^a	567 (561-598) ^b	487 (466-543) ^a	0.0244
Shannon	7.7	6.9 (6.5-7.4)	7.1 (6.7-7.5)	7.4 (6.9-7.4)	0.7939
OTUs	475	361 (326-410)	395 (392-410)	353 (334-406)	0.2628

These estimates are based on 2477-sequences subsamples. Different superscripts indicate statistical significance ($p < 0.05$). *The estimates of the lean subject were not included in the statistical analysis.