



Too many journals? Towards a theory of repeated rejections and ultimate acceptance

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Jan Oosterhaven

Jarking

- JARK effect
- Justify After Results are Known
- Qualquer resultado pode ser publicado
 - Vai achar referências que suportem seu desenho experimental errado.

- Muitos trabalhos de microbioma (Science, Nature, PNAS...) não são reprodutíveis.
 - Clustering method
 - Classification method
 - Assembly method

Prediabetes			
Association	Organism	Result	Out of Range
Associated	Prevotella [57]	Normal	
	Veillonella [57]	Normal	
Inversely associated	Akkermansia muciniphila [58]	Normal	
	Bifidobacterium [57]	Low	⚠ Condition more likely
	Butyricimonas [57]	Normal	
	Microbial Diversity [51]	Normal	



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SmartGut™ Report

Patient Sam Sample
DOB N/A

Metabolic disorders (continued)

Association	Organism	Result	Out of Range
Associated	Akkermansia muciniphila [59]	Normal	
	Barnesiella [60]	Normal	
	Collinsella [61]	Normal	
	Prevotella [62,63]	Normal	
Inversely associated	Lactobacillus [64,65]	Low	Condition more likely



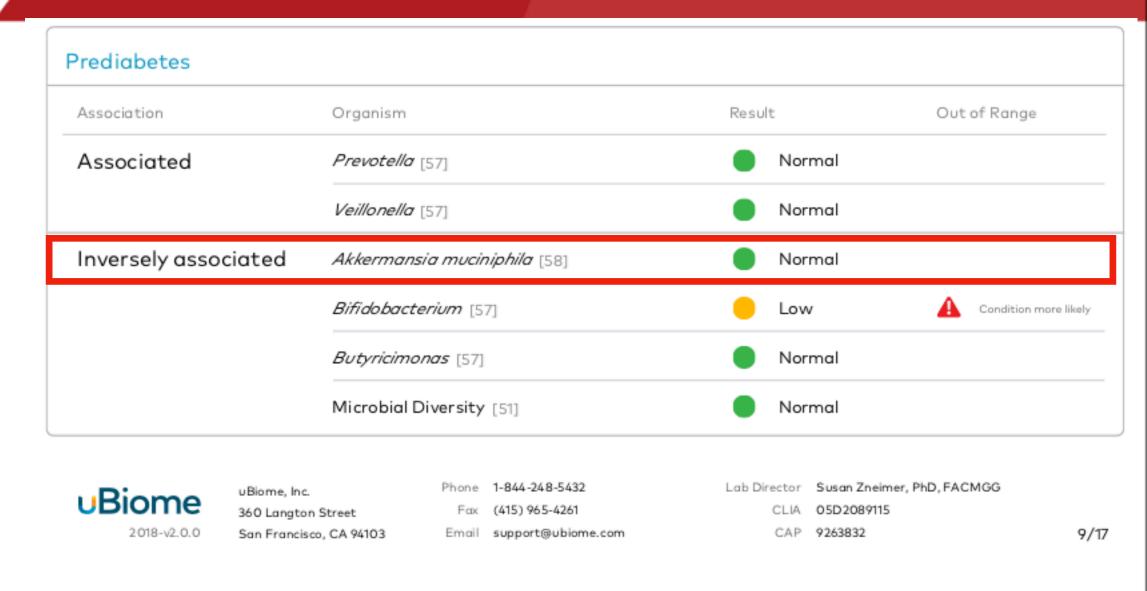
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Patient Sam Sample
DOB N/A

Metabolic disorders (continued)

Type 2 Diabetes			
Association	Organism	Result	Out of Range
Associated	Akkermansia muciniphila [59]	Normal	
	Barnesiella [60]	Normal	
	Collinsella [61]	Normal	
	Prevotella [62,63]	Normal	
Inversely associated	Lactobacillus [64,65]	O Low	Condition more likely
	Roseburia [59,66]	Normal	

As correlações

Instituto René Rachou FIOCRUZ MINAS

- Muito usadas para inferir associação
- Anunciadas como causa ou consequência
- Big Data trap.
 - Correlações espúrias
- Correção de testes múltiplos

_computational

PRIMER

How does multiple testing correction work?

William S Noble

When prioritizing hits from a high-throughput experiment, it is important to correct for random events that falsely appear significant. How is this done and what methods should be used?

