

Linear regression models: Immune signatures predict weight loss

Comparison of three modeling approaches

	Immune Only	Full Model	Interaction
Intercept	9.662***	-1.495	4.713***
	(0.645)	(5.622)	(0.918)
PC1 (Inflammatory)	0.514*	0.122	-0.077
	(0.253)	(0.236)	(0.395)
PC2 (Regulatory)	-1.274***	-0.707*	0.347
	(0.372)	(0.302)	(0.542)
<i>E. ferrisi</i> infection		-1.399	5.258***
		(1.737)	(1.342)
<i>E. falciformis</i> infection		1.378	10.025***
		(1.603)	(1.314)
Infection intensity		0.631***	
		(0.129)	
Initial body weight		0.304*	
		(0.132)	
PC1 × <i>E. ferrisi</i>			0.157
			(0.590)
PC1 × <i>E. falciformis</i>			1.194*
			(0.505)
PC2 × <i>E. ferrisi</i>			-2.618***

* p < 0.05, ** p < 0.01, *** p < 0.001

Reference: Uninfected controls

Mouse strain effects omitted for clarity

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	Immune Only	Full Model	Interaction
			(0.774)
PC2 × <i>E. falciformis</i>			-1.185
			(0.755)
Num.Obs.	136	128	136
R2	0.106	0.631	0.426
R2 Adj.	0.093	0.554	0.390
PC1: inflammatory genes; PC2: regulatory genes			
* p < 0.05, ** p < 0.01, *** p < 0.001			
Reference: Uninfected controls			
Mouse strain effects omitted for clarity			