"Investigation of bacterial communities within the digestive organs of the hydrothermal vent shrimp *Rimicaris exoculata* provide insights into holobiont geographic clustering" - Dominique A. Cowart, Lucile Durand, Marie-Anne Cambon-Bonavita, Sophie Arnaud-Haond (corresponding author : <u>sophie.arnaud@ifremer.fr</u>)

All vents			ANOSIM		
Ho: no difference between vents			p = 0.0003*, R = 0.634		
Logatchev					
Ho: no difference between digestive tract and stome			p = 0.071, R = 0.244		
Ho: no difference between various life stages			$p = 0.005^*, R = 0.382$		
TAG					
Ho: no difference between digestive tract and stomac			p = 0.249, R = 0.111		
Rainbow					
Ho: no difference between white, red and black mo			p = 0.656, R = 0.051		
	Ver	nts			
	Rainbow	TAG		Logatchev	
Rainbow		0.0013‡		0.0023‡	
TAG	0.0013‡	 		0.2009	
Logatchev	0.0023‡	0.2009			
	i				
	Life Stage (1	Logatch	ev)		
	Eggs	Juveniles		Adults	
Eggs		0.025*		0.018*	
Juveniles	0.025*			0.330	
Adults	0.018*	0.330			
	Molts (R	ainbow)			
	White		Red	Black	
White		0.863		0.256	
Red	0.863			0.863	
Black	0.256				
	· · ·				
	By Organ	s (TAG)			
Digestive		ve Tract		Stomach	
Digestive Tract	-			0.975	
Stomach	0.	0.975			
	By Organs (	Logatch	ev)		
	Digesti	Digestive Tract		Stomach	
Digestive Tract	-			0.070	
Stomach	0.	0.070			

\* Rainbow is different from other vents

‡ eggs are different from other life stages