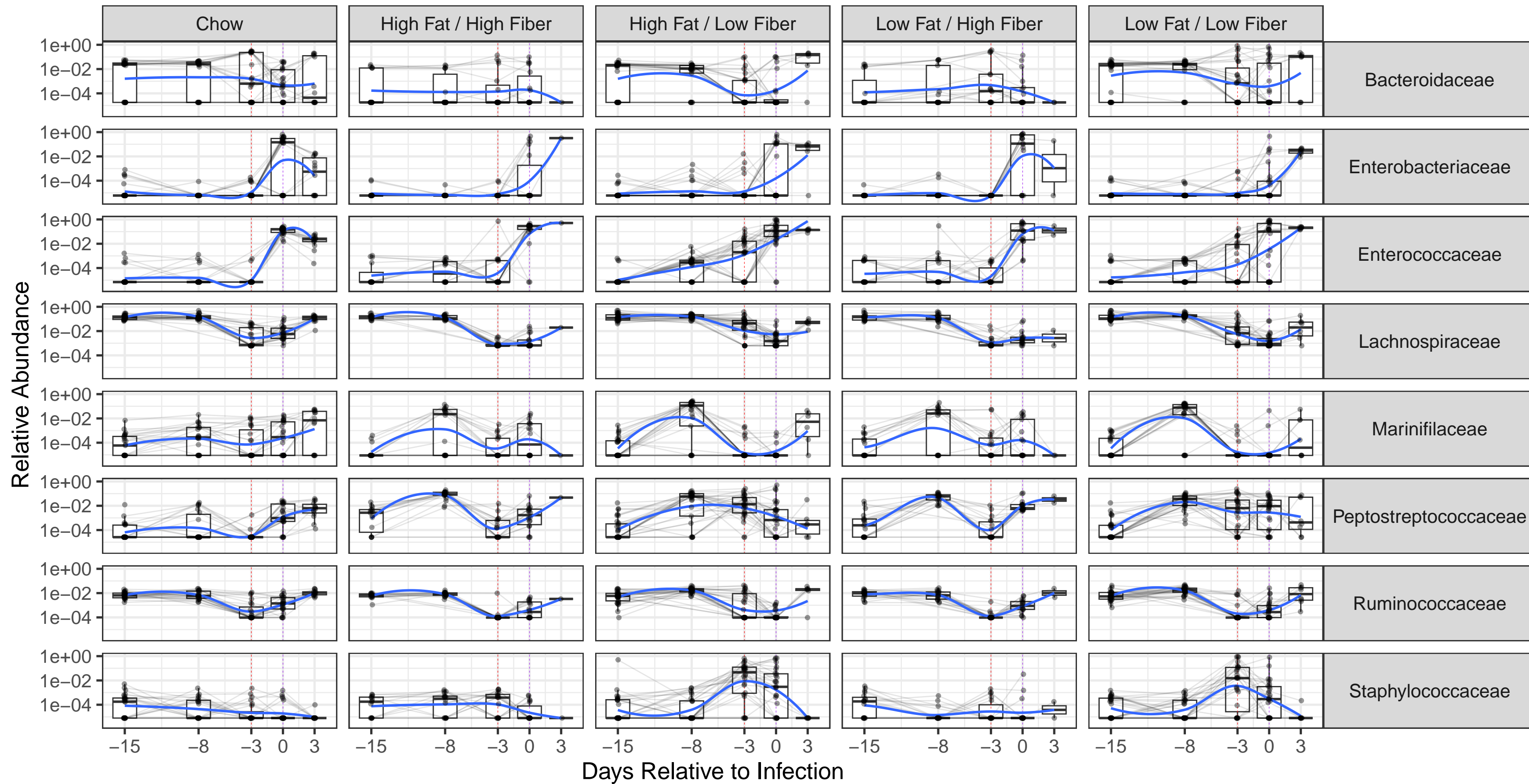


a) Microbe Relative Abundance



b)

Group 1 – Group 2

0.2
0.0
-0.2
-0.4

	-8				-3				0				3				
	Chow	HFt/HFb	HFt/LFb	LFt/HFb	Chow	HFt/HFb	HFt/LFb	LFt/HFb	Chow	HFt/HFb	HFt/LFb	LFt/HFb	Chow	HFt/HFb	HFt/LFb	LFt/HFb	
LFt / LFb	ns	**	ns	ns													Bacteroidaceae
LFt / HFb	ns	ns	ns														
HFt / LFb	ns	ns															
HFt / HFb	**																
LFt / LFb									**	ns	ns	**	*	ns	ns	ns	Enterobacteriaceae
LFt / HFb									ns	**	**		ns	ns	ns		
HFt / LFb									*	ns			*	ns			
HFt / HFb									*				ns				
LFt / LFb					*	ns	ns	ns					***	ns	ns	ns	Enterococcaceae
LFt / HFb					ns	ns	*						ns	ns	ns		
HFt / LFb					***	*							*	ns			
HFt / HFb					ns								*				
LFt / LFb					ns	**	ns	*	***	ns	ns	ns	*	ns	ns	ns	Lachnospiraceae
LFt / HFb					ns	ns	***		ns	ns	ns		*	ns	ns		
HFt / LFb					**	****			**	ns			ns	ns			
HFt / HFb					ns				***				ns				
LFt / LFb	**	ns	ns	ns					**	**	ns	**					Marinifilaceae
LFt / HFb	ns	ns	ns						ns	ns	**						
HFt / LFb	***	ns							**	**							
HFt / HFb	ns								ns								
LFt / LFb	***	**	ns	ns	****	**	ns	**	ns	ns	ns	ns					Peptostreptococcaceae
LFt / HFb	****	ns	ns		ns	ns	****		ns	ns	*						
HFt / LFb	****	*			****	****			ns	ns							
HFt / HFb	****				ns				ns								
LFt / LFb	***	**	ns	**	ns	ns	ns	ns	*	ns	*	ns					Ruminococcaceae
LFt / HFb	ns	ns	***		ns	ns	ns		ns	ns	***						
HFt / LFb	***	***			ns	*			****	*							
HFt / HFb	ns				ns				ns								
LFt / LFb					****	*	ns	***	**	*	ns	*					Staphylococcaceae
LFt / HFb					ns	ns	****		ns	ns	***						
HFt / LFb					****	**			***	***							
HFt / HFb					ns				ns								

	-8				-3				0				3				
LFt / LFb	ns	**	ns	ns											Bacteroidaceae		
LFt / HFb	ns	ns	ns														
HFt / LFb	ns	ns															
HFt / HFb	**																
LFt / LFb								**	ns	ns	**		*	ns	Enterobacteriaceae		
LFt / HFb								ns	**	**		ns	ns	ns			
HFt / LFb								*	ns			*	ns				
HFt / HFb								*				ns					
LFt / LFb					*	ns	ns	ns				***	ns	ns	Enterococcaceae		
LFt / HFb					ns	ns	*					ns	ns	ns			
HFt / LFb					***	*						*	ns				
HFt / HFb					ns							*					
LFt / LFb					ns	**	ns	*	***	ns	ns	ns	*	ns	Lachnospiraceae		
LFt / HFb					ns	ns	***		ns	ns	ns	*	ns	ns			
HFt / LFb					**	****			**	ns		ns	ns				
HFt / HFb					ns				***			ns					
LFt / LFb	**	ns	ns	ns				**	**	ns	**				Marinifilaceae		
LFt / HFb	ns	ns	ns					ns	ns	**							
HFt / LFb	***	ns						**	**								
HFt / HFb	ns							ns									
LFt / LFb	***	**	ns	ns	****	**	ns	**	ns	ns	ns	ns			Peptostreptococcaceae		
LFt / HFb	****	ns	ns		ns	ns	****		ns	ns	*						
HFt / LFb	****	*			****	****			ns	ns							
HFt / HFb	****				ns				ns								
LFt / LFb	***	**	ns	**	ns	ns	ns	ns	*	ns	*	ns			Ruminococcaceae		
LFt / HFb	ns	ns	***		ns	ns	ns	ns	ns	***							
HFt / LFb	***	***			ns	*		****	*								
HFt / HFb	ns				ns			ns									
LFt / LFb					****	*	ns	***	**	*	ns	*			Staphylococcaceae		
LFt / HFb					ns	ns	****		ns	ns	***						
HFt / LFb					****	**			***	***							
HFt / HFb					ns				ns								
	Chow	HFt/ HFb	HFt/ LFb	LFt/ HFb	Chow	HFt/ HFb	HFt/ LFb	LFt/ HFb	Chow	HFt/ HFb	HFt/ LFb	LFt/ HFb	Chow	HFt/ HFb	HFt/ LFb	LFt/ HFb	