a) Weighted UniFrac PCoA Plot
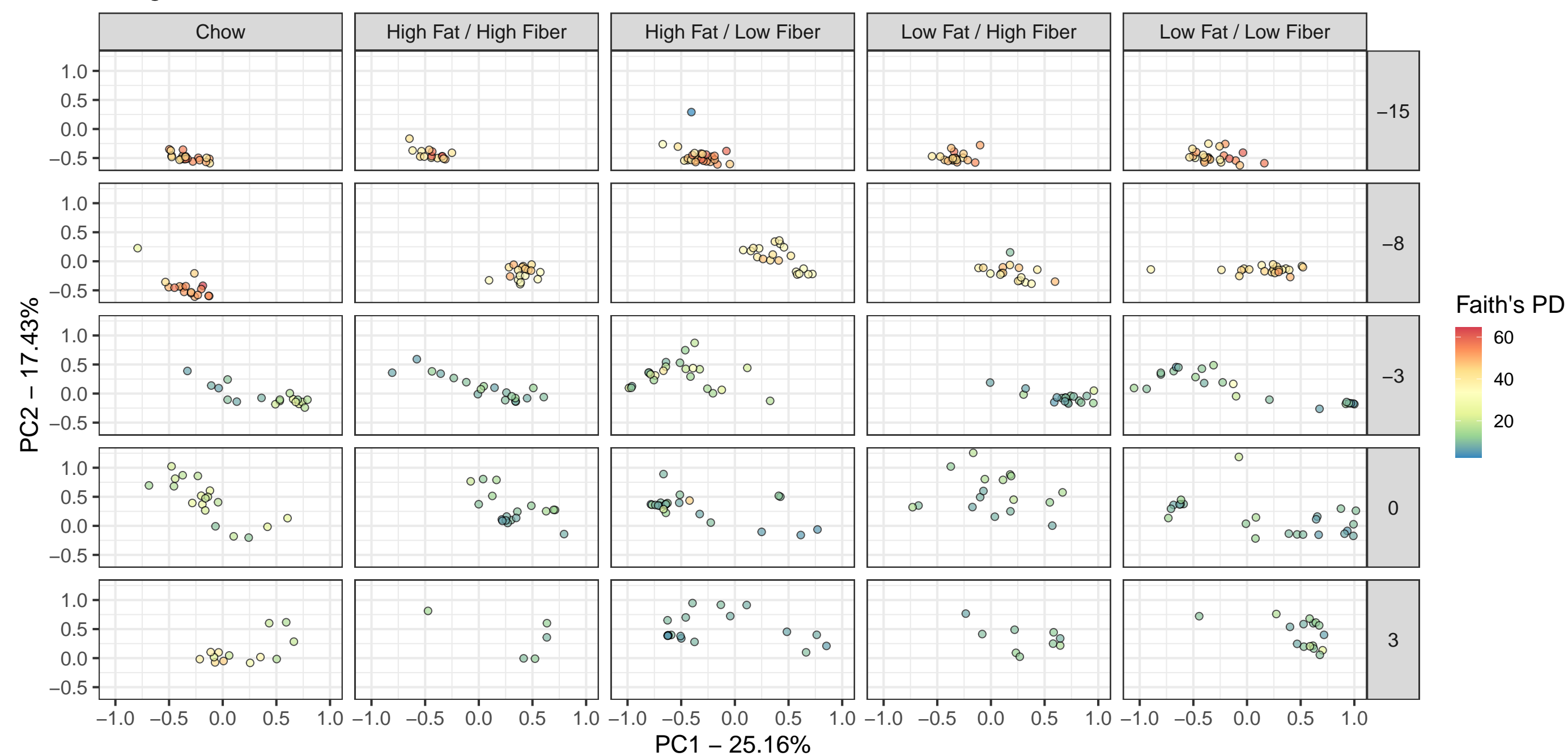
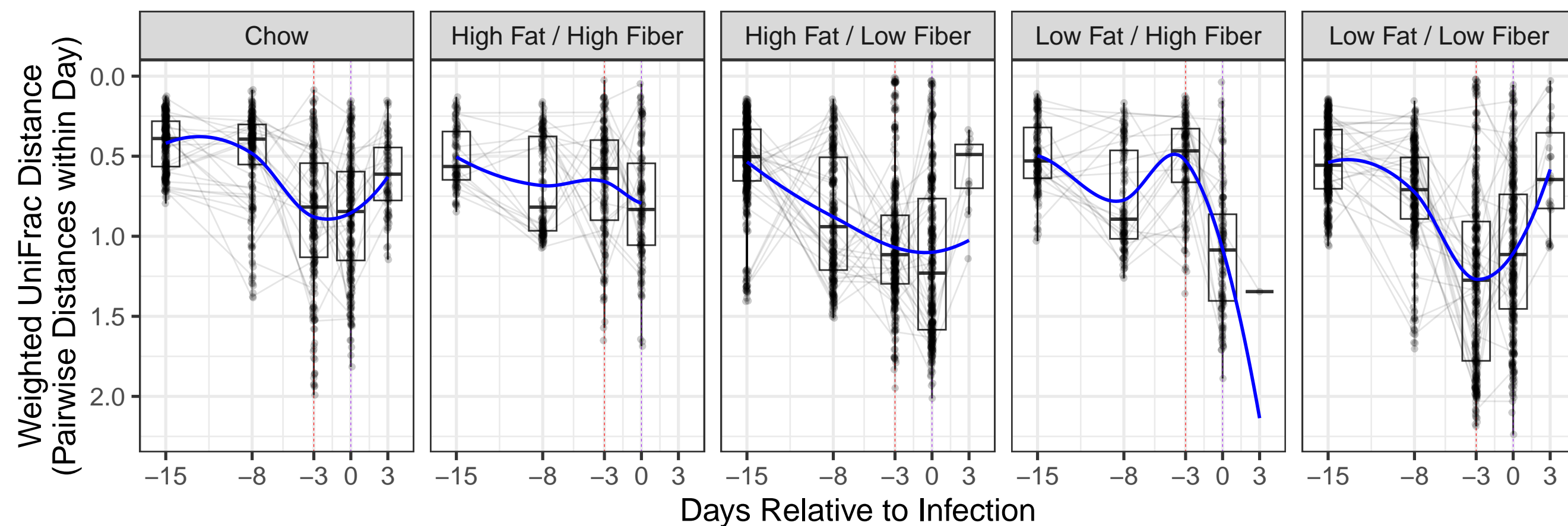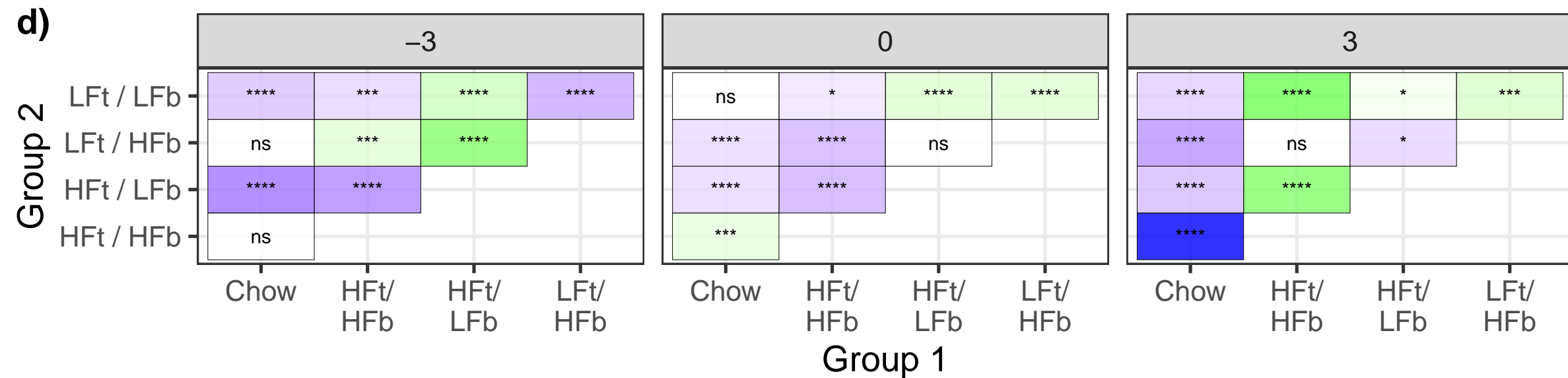| term	df	SumOfSqs	R2	statistic	p.value	signif	day_post_inf
study	1	0.6401420	0.038238592	4.095168	0.007	**	−15
purified_diet	1	9.7418879	0.216053623	31.124738	0.001	***	−8
high_fat	1	2.4743416	0.054875448	7.905371	0.001	***	−8
high_fiber	1	4.3844549	0.097237557	14.008066	0.001	***	−8
study	1	0.7442280	0.016505338	2.377763	0.057	+	−8
high_fat:high_fiber	1	0.5146604	0.011414033	1.644308	0.160	ns	−8
purified_diet	1	6.4480875	0.082800699	12.414011	0.001	***	−3
high_fat	1	7.7828348	0.099940357	14.983698	0.001	***	−3
high_fiber	1	13.3138879	0.170965303	25.632213	0.001	***	−3
study	1	0.8084435	0.010381324	1.556435	0.165	ns	−3
high_fat:high_fiber	1	0.6960468	0.008938024	1.340046	0.237	ns	−3
purified_diet	1	5.7726327	0.073590239	9.858861	0.001	***	0
high_fat	1	1.6730210	0.021327880	2.857289	0.023	*	0
high_fiber	1	6.7540562	0.086101548	11.534997	0.001	***	0
study	1	3.3970655	0.043306213	5.801720	0.002	**	0
high_fat:high_fiber	1	5.8065689	0.074022861	9.916820	0.001	***	0
purified_diet	1	2.5601133	0.071039060	5.226933	0.001	***	3
high_fat	1	3.7422880	0.103842523	7.640556	0.001	***	3
high_fiber	1	0.4057922	0.011260086	0.828498	0.473	ns	3
study	1	1.1030653	0.030608304	2.252107	0.069	+	3
high_fat:high_fiber	1	1.2882546	0.035747011	2.630204	0.043	*	3

b) Microbiome Resilience Over Time
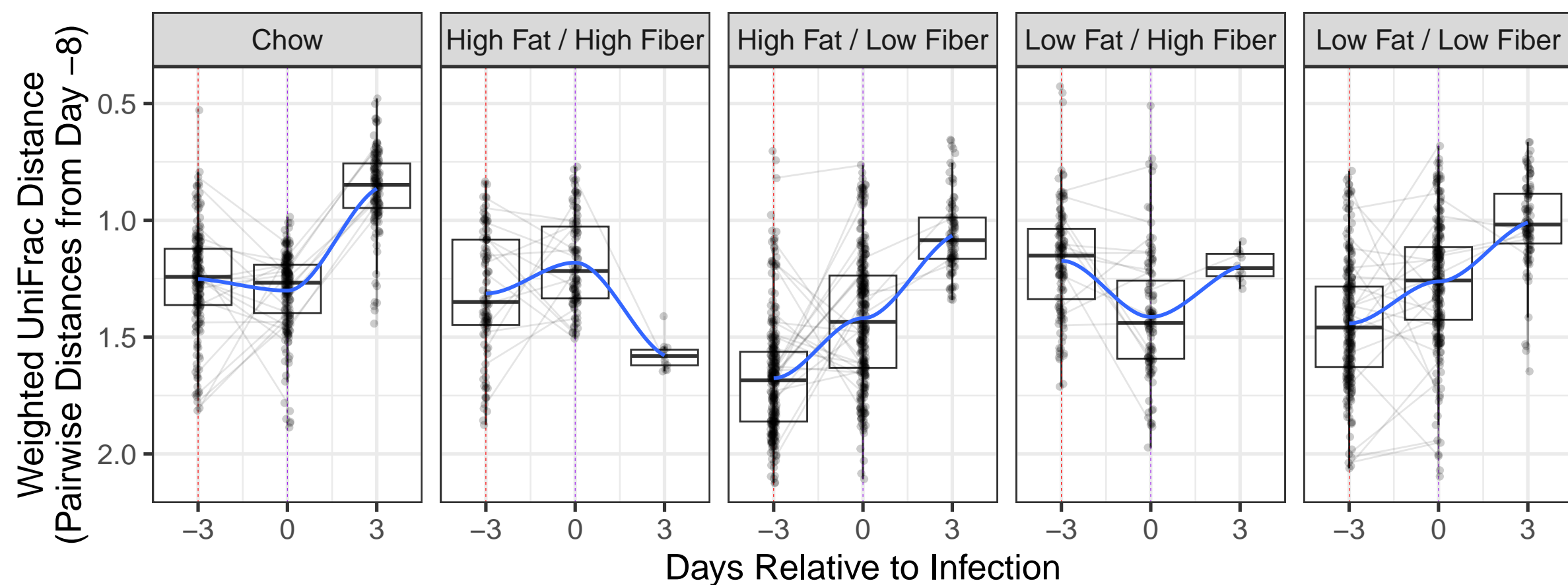
c) Microbiome Homogeneity Over Time