

Repeated Measures PERMANOVA

Luminal

Permutation: free

Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)	
Sequencing_Run	1	6.720	6.7196	5.7328	0.06135	0.407059	
Sex	1	23.945	23.9452	20.4288	0.21861	0.005399	**
Site_General	1	22.607	22.6066	19.2869	0.20639	0.00009999	***
Residuals	48	56.262	1.1721		0.51365	0.00009999	***
Total	51	109.533			1.00000		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Mucosal

Permutation: free

Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)	
Sequencing_Run	2	20.855	10.4275	10.5299	0.23393	0.2345	
Sex	1	25.763	25.7630	26.0160	0.28898	0.0013	**
Site_General	1	5.892	5.8917	5.9496	0.06609	0.0048	**
Residuals	37	36.640	0.9903		0.41100	0.0003	***
Total	41	89.150			1.00000		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Mucosal SI

Permutation: free

Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)
Sequencing_Run	2	17.101	8.5505	11.0152	0.42416	0.1261
Sex	1	10.826	10.8257	13.9462	0.26851	0.1110
Site	2	2.300	1.1500	1.4815	0.05705	0.1475
Residuals	13	10.091	0.7762		0.25029	0.0130 *
Total	18	40.318			1.00000	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Mucosal Colon

Permutation: free
Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)
Sequencing_Run	2	13.008	6.5042	6.5230	0.27423	0.186881
Sex	1	16.336	16.3357	16.3829	0.34437	0.009199 **
Site	2	1.141	0.5706	0.5723	0.02406	0.832017
Residuals	17	16.951	0.9971		0.35734	0.005000 **
Total	22	47.436			1.00000	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Luminal SI

Permutation: free
Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)
Sequencing_Run	1	0.280	0.2796	0.1825	0.00531	0.8884
Sex	1	20.315	20.3151	13.2607	0.38604	0.00009999 ***
Site	2	1.390	0.6951	0.4537	0.02642	0.5645
Residuals	20	30.640	1.5320		0.58223	0.0343 *
Total	24	52.625			1.00000	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Luminal Colon

Permutation: free

Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)
Sequencing_Run	1	19.638	19.6377	16.2834	0.35975	0.0273 *
Sex	1	8.234	8.2343	6.8278	0.15085	0.2977
Site	2	0.184	0.0918	0.0761	0.00336	0.9387
Residuals	22	26.532	1.2060		0.48604	0.0174 *
Total	26	54.587			1.00000	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Colon

Permutation: free

Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)
Sequencing_Run	1	17.374	17.3737	13.3925	0.17087	0.0284 *
Sex	1	24.760	24.7604	19.0866	0.24352	0.0213 *
Site	2	0.601	0.3003	0.2315	0.00591	0.8999
Type	1	1.864	1.8637	1.4366	0.01833	0.2295
Residuals	44	57.080	1.2973		0.56138	0.0257 *
Total	49	101.678			1.00000	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

SI

Permutation: free

Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)
Sequencing_Run	1	4.970	4.9701	3.0950	0.05295	0.615038
Sex	1	21.564	21.5636	13.4283	0.22974	0.009499 **
Site	2	1.985	0.9925	0.6181	0.02115	0.493451
Type	1	4.319	4.3191	2.6896	0.04602	0.091391 .

Residuals	38	61.022	1.6058	0.65014	0.028797	*
Total	43	93.860		1.00000		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1