

Repeat 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	10.802	10.8021	6.8554	0.09650	0.2821	
Sex	1	1.308	1.3080	0.8301	0.01168	0.8505	
Site_General	1	25.777	25.7767	16.3589	0.23026	0.00009999	***
Residuals	47	74.058	1.5757		0.66156	0.0120	*
Total	50	111.945			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	23.824	11.9119	8.5089	0.24401	0.05999	.
Sex	1	1.131	1.1311	0.8080	0.01159	0.80992	
Site_General	1	16.682	16.6823	11.9164	0.17086	0.00009999	***
Residuals	40	55.998	1.3999		0.57354	0.00160	**
Total	44	97.635			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	15.472	7.7359	4.8610	0.37477	0.1897
Sex	1	3.025	3.0249	1.9008	0.07327	0.7294
Site	2	2.098	1.0491	0.6592	0.05082	0.3012
Residuals	13	20.689	1.5914		0.50113	0.2688
Total	18	41.284			1.00000	

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	19.870	9.9348	6.4664	0.37094	0.09949 .
Sex	1	2.513	2.5129	1.6356	0.04691	0.68693
Site	2	0.455	0.2277	0.1482	0.00850	0.79342
Residuals	20	30.728	1.5364		0.57365	0.26197
Total	25	53.566			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	0.691	0.6913	0.31271	0.01319	0.8885
Sex	1	4.627	4.6269	2.09301	0.08826	0.3039
Site	2	5.103	2.5514	1.15415	0.09734	0.2300
Residuals	19	42.002	2.2106		0.80121	0.5154
Total	23	52.423			1.00000	

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	7.125	7.1251	3.7746	0.12978	0.41696
Sex	1	4.532	4.5320	2.4009	0.08255	0.50775
Site	2	1.714	0.8570	0.4540	0.03122	0.08149 .
Residuals	22	41.528	1.8876		0.75644	0.44096
Total	26	54.899			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	17.257	17.2567	11.6759	0.15858	0.21628
Sex	1	6.714	6.7137	4.5425	0.06170	0.52385
Site	2	4.317	2.1583	1.4603	0.03967	0.04010 *
Type	1	11.066	11.0657	7.4871	0.10169	0.00009999 ***
Residuals	47	69.465	1.4780		0.63836	0.05999 .
Total	52	108.818			1.00000	

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

Permutation: free

Number of permutations: 0

Terms added sequentially (first to last)

	Df	SumsOfSqs	MeanSqs	F.Model	R2	Pr(>F)
Sequencing_Run	1	4.422	4.4219	2.2749	0.04691	0.4399
Sex	1	6.607	6.6073	3.3992	0.07010	0.3579
Site	2	5.721	2.8605	1.4717	0.06070	0.1221
Type	1	5.586	5.5861	2.8739	0.05927	0.0176 *
Residuals	37	71.919	1.9437		0.76302	0.1548
Total	42	94.255			1.00000	

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