

Summary table of P-values for PCs before batch correction

	PC1.Pr..F.	PC2.Pr..F.	PC3.Pr..F.	PC4.Pr..F.	PC5.Pr..F.	PC6.Pr..F.
P_Plate	0.54207	0.00000	0.00000	0.97917	0.00000	0.00014
P_Slide	0.94143	0.00000	0.00000	0.00001	0.00000	0.00000
P_Array	0.73818	0.00000	0.00001	0.00147	0.16026	0.07470
P_DEX	0.06788	0.84504	0.75903	0.97509	0.92386	0.92649
P_Sex	0.21251	0.46059	0.91300	0.17027	0.10236	0.26453

ANOVA results for Plate before batch correction

\$PC1

Analysis of Variance Table

Response: pc

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Prin.comp\$Sample_Plate	4	203341	50835	0.7748	0.5421
Residuals	398	26113161	65611		

\$PC2

Analysis of Variance Table

Response: pc

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Prin.comp\$Sample_Plate	4	1844092	461023	12.954	6.327e-10 ***
Residuals	398	14163944	35588		

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

\$PC3

Analysis of Variance Table

Response: pc

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Prin.comp\$Sample_Plate	4	770089	192522	11.444	8.398e-09 ***
Residuals	398	6695598	16823		

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

\$PC4

Analysis of Variance Table

Response: pc

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Prin.comp\$Sample_Plate	4	7546	1886.6	0.1095	0.9792
Residuals	398	6856884	17228.4		

\$PC5

Analysis of Variance Table

Response: pc

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Prin.comp\$Sample_Plate	4	452102	113026	13.021	5.647e-10 ***
Residuals	398	3454663	8680		

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

\$PC6

Analysis of Variance Table

Response: pc

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Prin.comp\$Sample_Plate	4	197778	49445	5.8253	0.0001428 ***