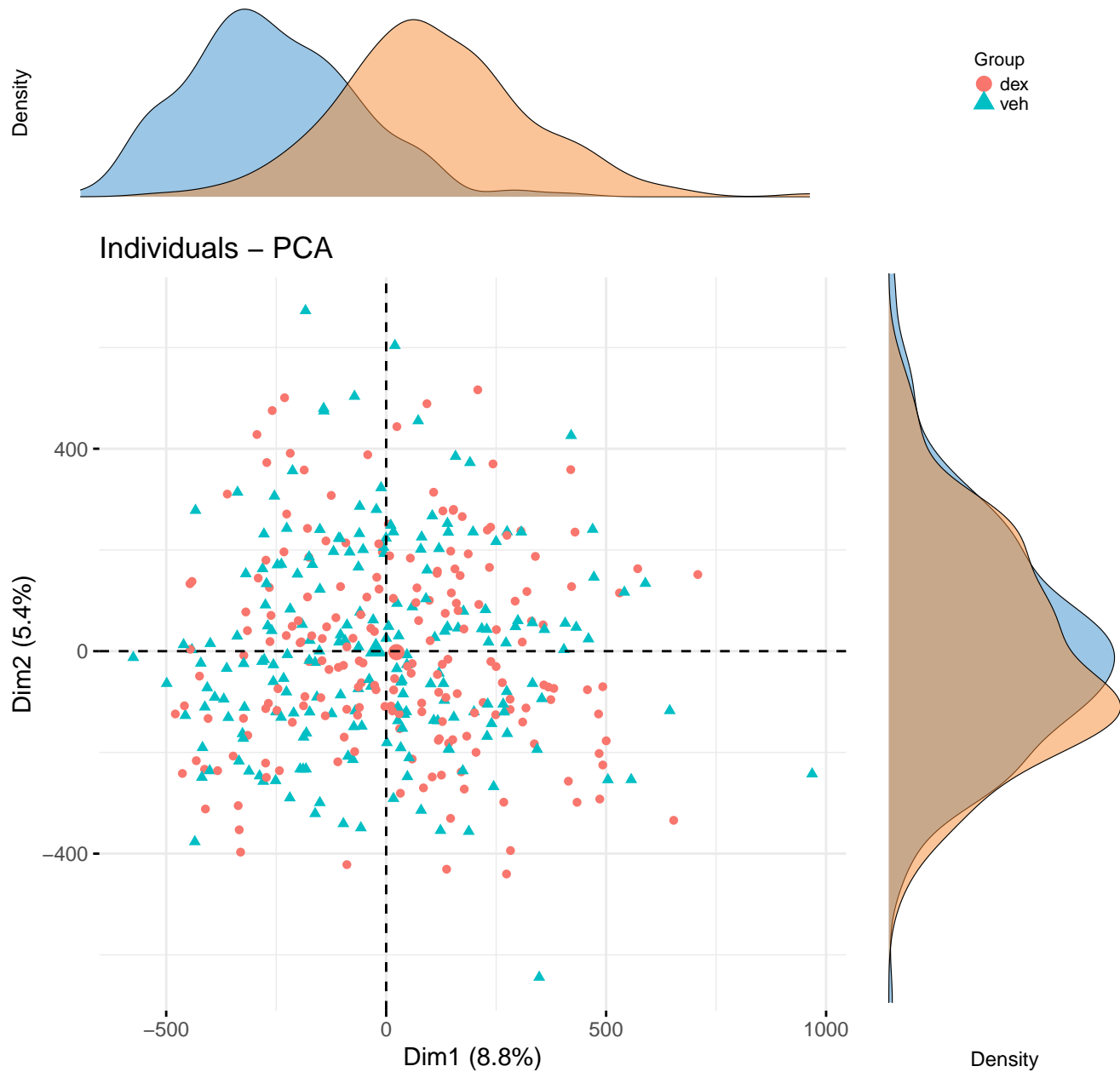


dual map and density plot before correction by Group (dex/veh)



Summary table of P-values for PCs before batch correction

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

ANOVA results for Sample Group before batch correction

```
$PC1
Analysis of Variance Table

Response: pc
              Df Sum Sq Mean Sq F value Pr(>F)
Prin.comp$Sample_Group 1    218130    218130    3.3516 0.06788 .
Residuals              401  26098372    65083
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

$PC2
Analysis of Variance Table

Response: pc
              Df Sum Sq Mean Sq F value Pr(>F)
Prin.comp$Sample_Group 1     1527     1527    0.0383 0.845
Residuals              401 16006508    39916

$PC3
Analysis of Variance Table

Response: pc
              Df Sum Sq Mean Sq F value Pr(>F)
Prin.comp$Sample_Group 1     1754     1753.9    0.0942 0.759
Residuals              401  7463933    18613.3

$PC4
Analysis of Variance Table

Response: pc
              Df Sum Sq Mean Sq F value Pr(>F)
Prin.comp$Sample_Group 1        17        16.7    0.001 0.9751
Residuals              401  6864414    17118.2

$PC5
Analysis of Variance Table

Response: pc
              Df Sum Sq Mean Sq F value Pr(>F)
Prin.comp$Sample_Group 1         89         89.1    0.0091 0.9239
Residuals              401  3906676    9742.3

$PC6
Analysis of Variance Table

Response: pc
              Df Sum Sq Mean Sq F value Pr(>F)
Prin.comp$Sample_Group 1         76         75.9    0.0085 0.9265
Residuals              401  3570107    8903.0
```