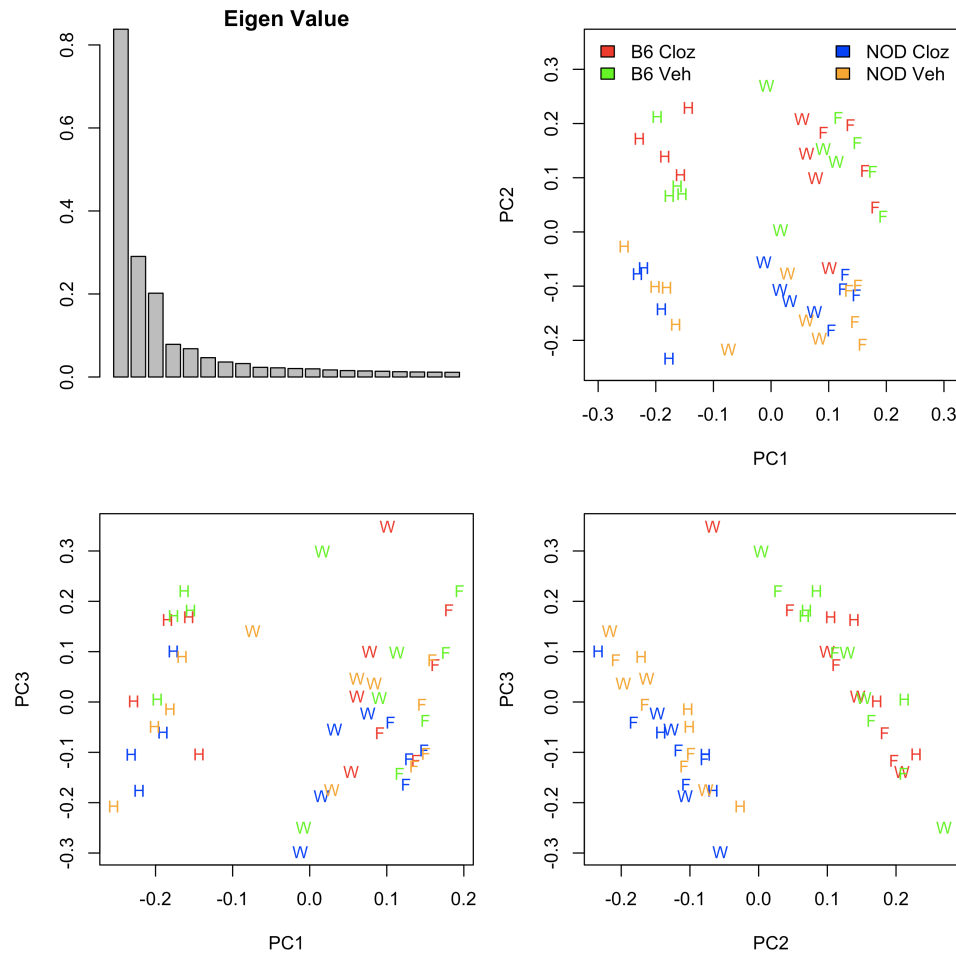


(a) Eigenvalues and projection plots for the first three PCs.



(B) R2 between the five covariates and the first 9 PCs. The covariate left/right indicate the sample is from left or right hemispheres.

| | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|
| left/right | 0 | 0 | 0 | 0.01 | 0.05 | 0 | 0.02 | 0 | 0.02 |
| drug | 0 | 0 | 0.03 | 0.11 | 0 | 0.12 | 0.12 | 0.18 | 0.01 |
| strain | 0.01 | 0.79 | 0.19 | 0.01 | 0 | 0 | 0 | 0 | 0 |
| region | 0.94 | 0 | 0.02 | 0.04 | 0.07 | 0.01 | 0.39 | 0.02 | 0.01 |
| day | 0.04 | 0.06 | 0.02 | 0 | 0.42 | 0 | 0.02 | 0.01 | 0.03 |
| | PC1 | PC2 | PC3 | PC4 | PC5 | PC6 | PC7 | PC8 | PC9 |

Figure S5 PCA for gene expression from 1.0ST cartridge arrays.