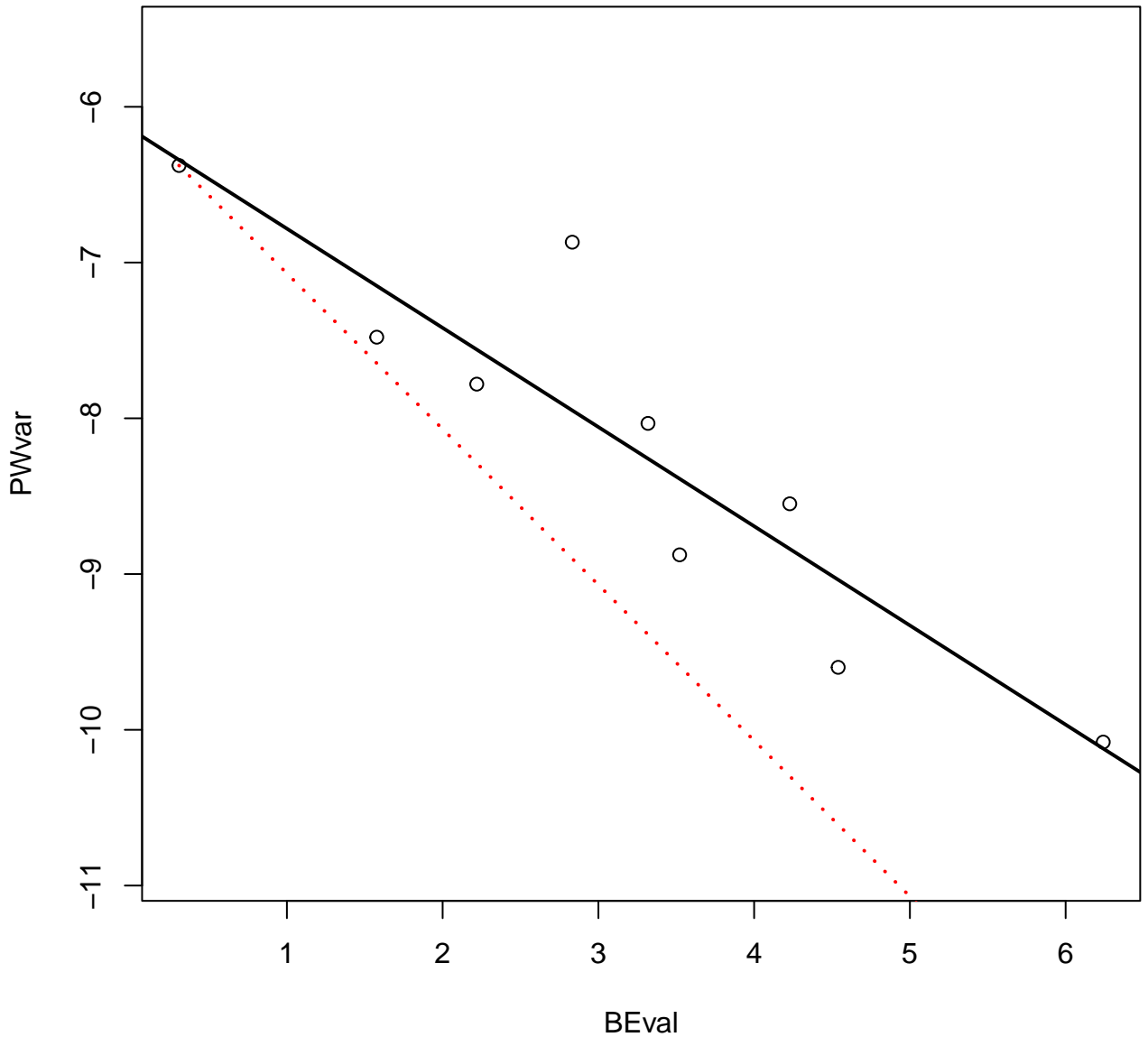
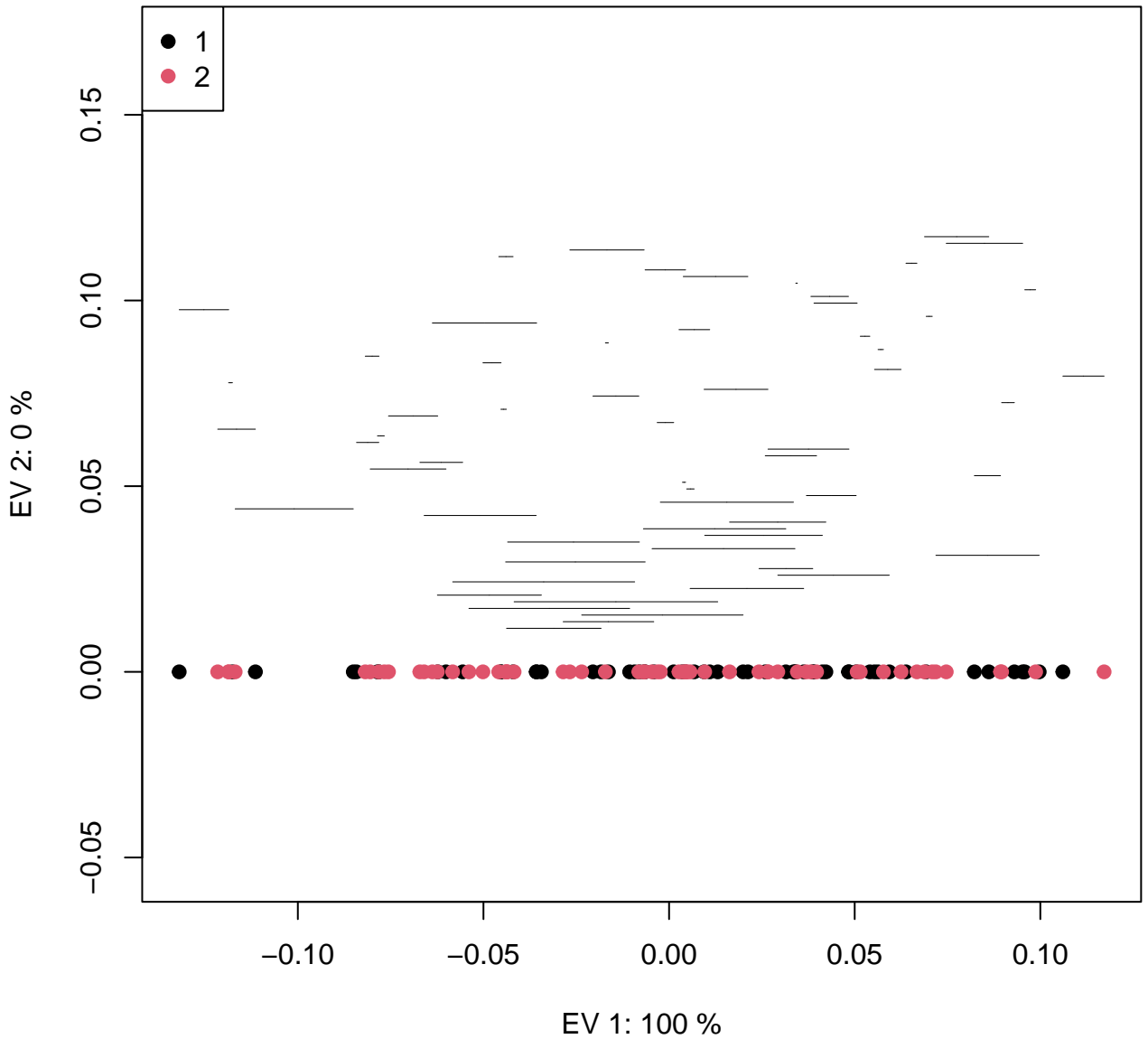


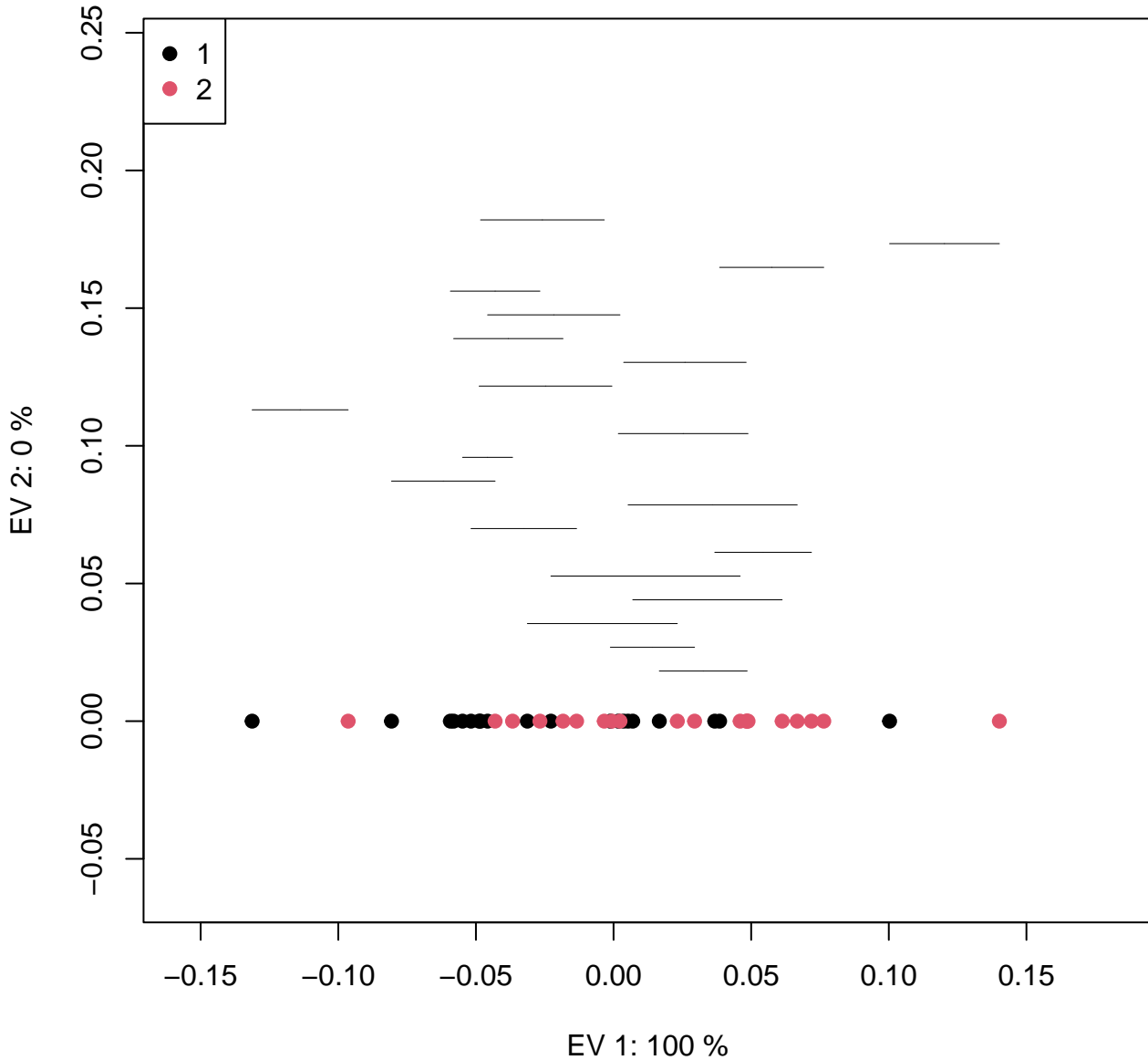
ObservedSlope<sub>black</sub> = -0.6369198



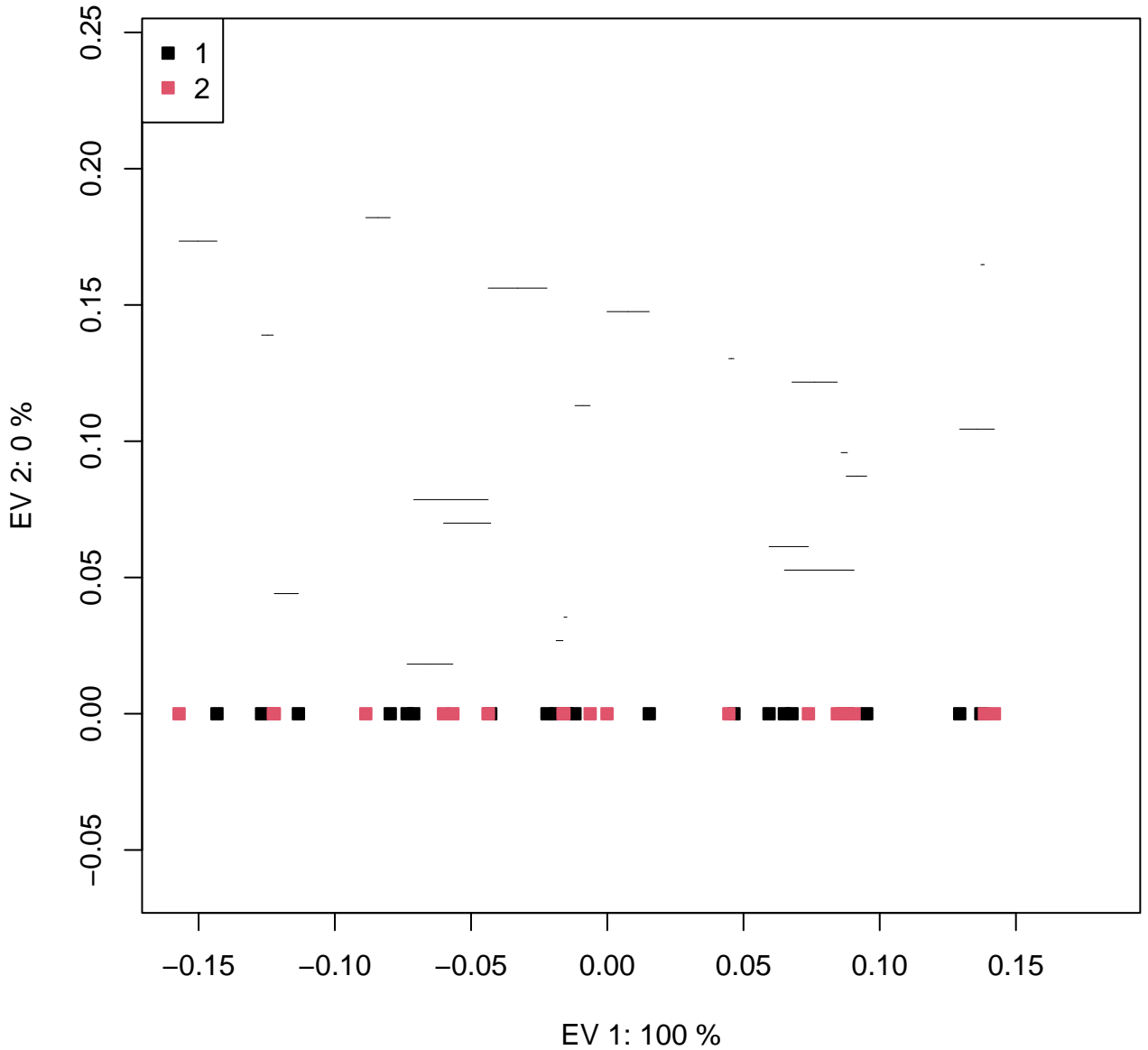
# Systematic ME / Random ME



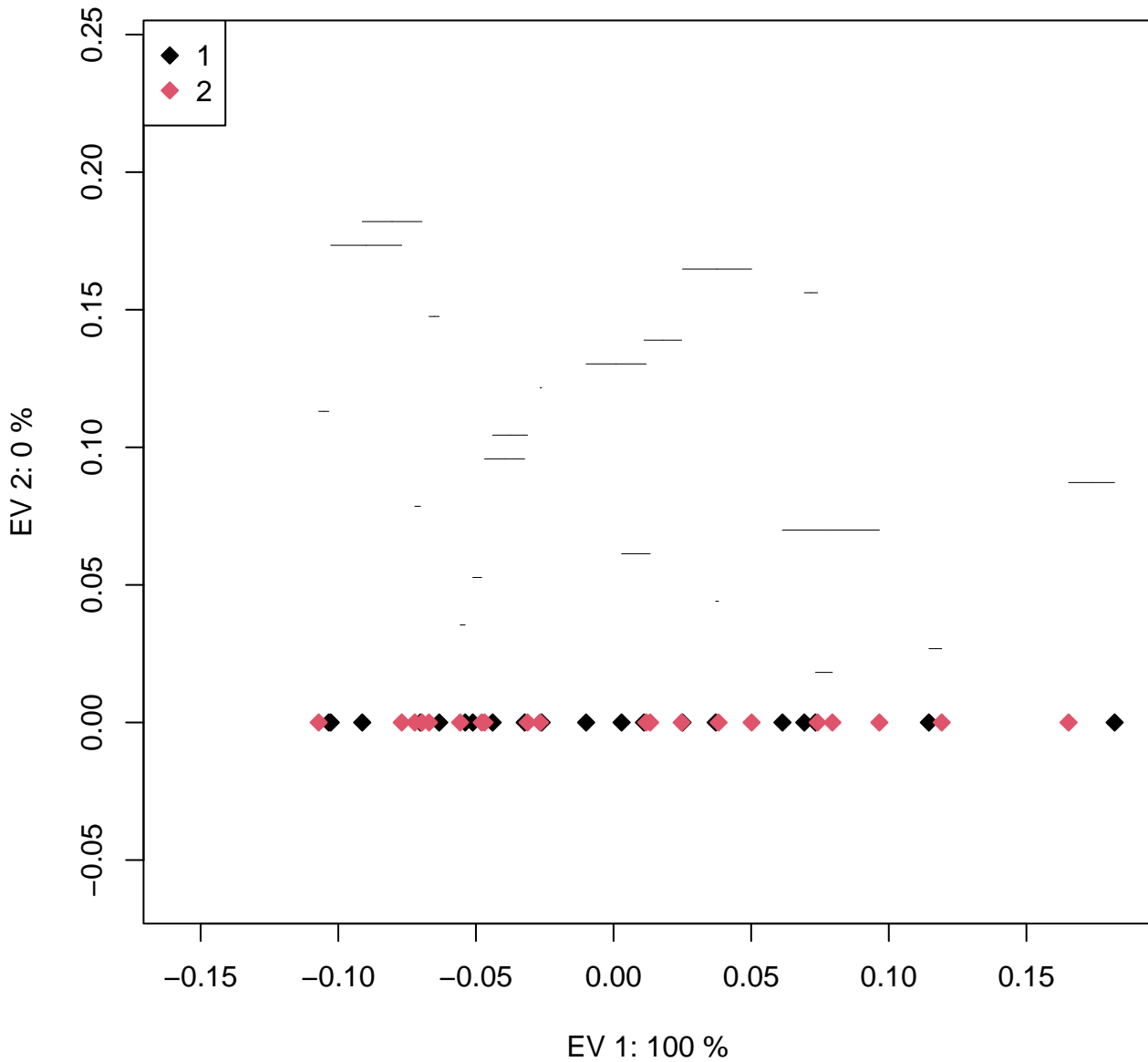
# Systematic ME / Random ME for Group a

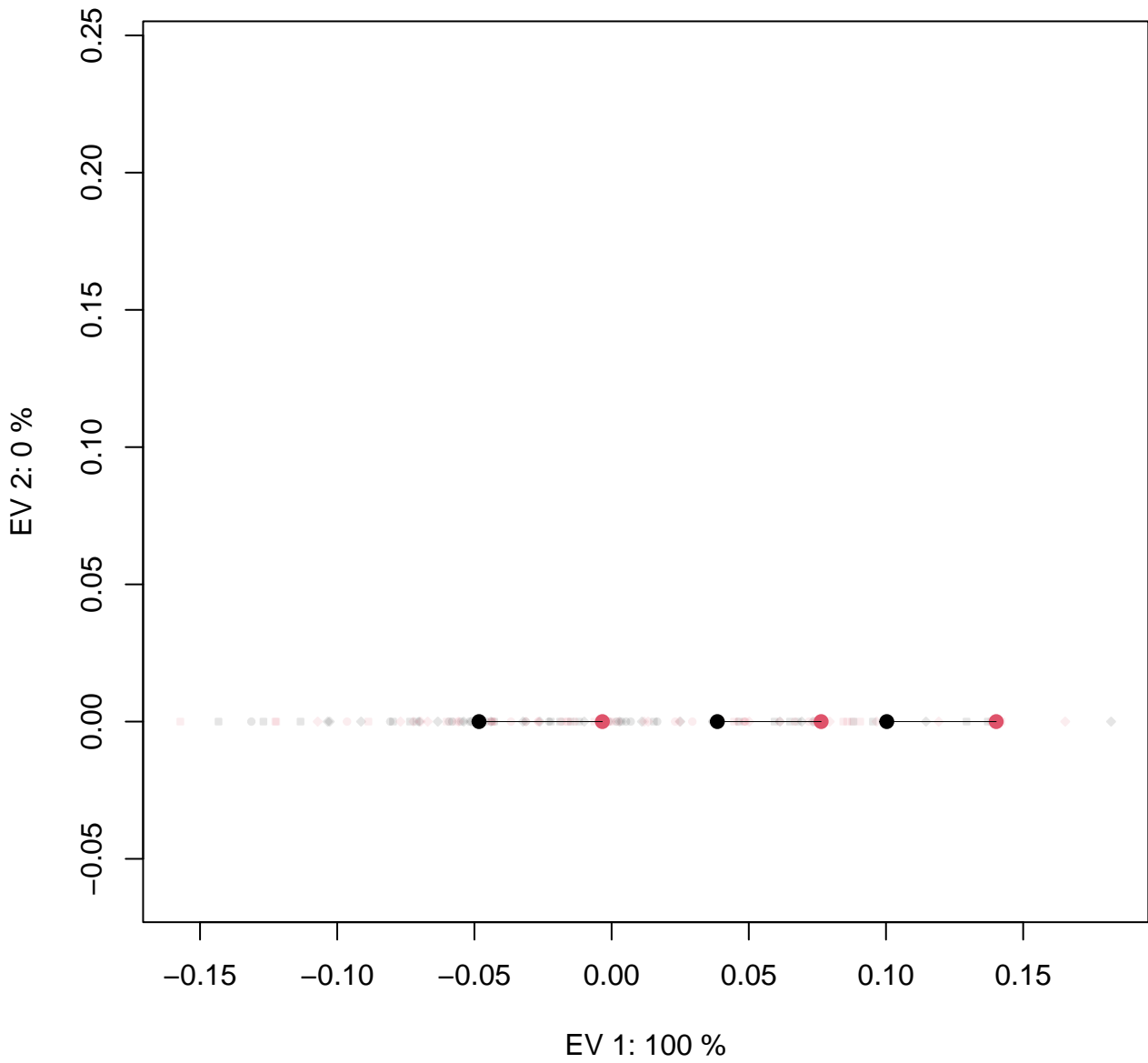


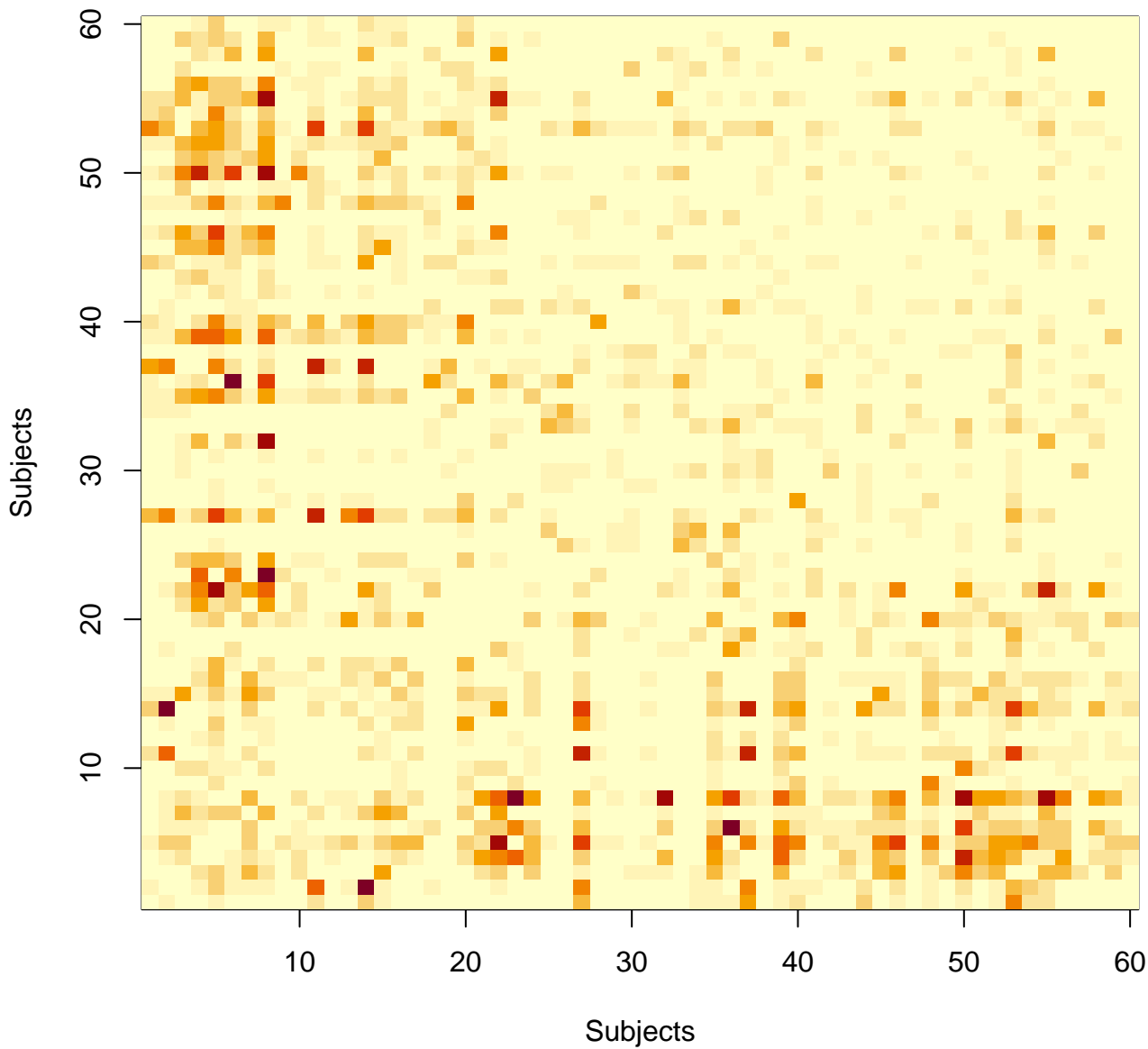
# Systematic ME / Random ME for Group b



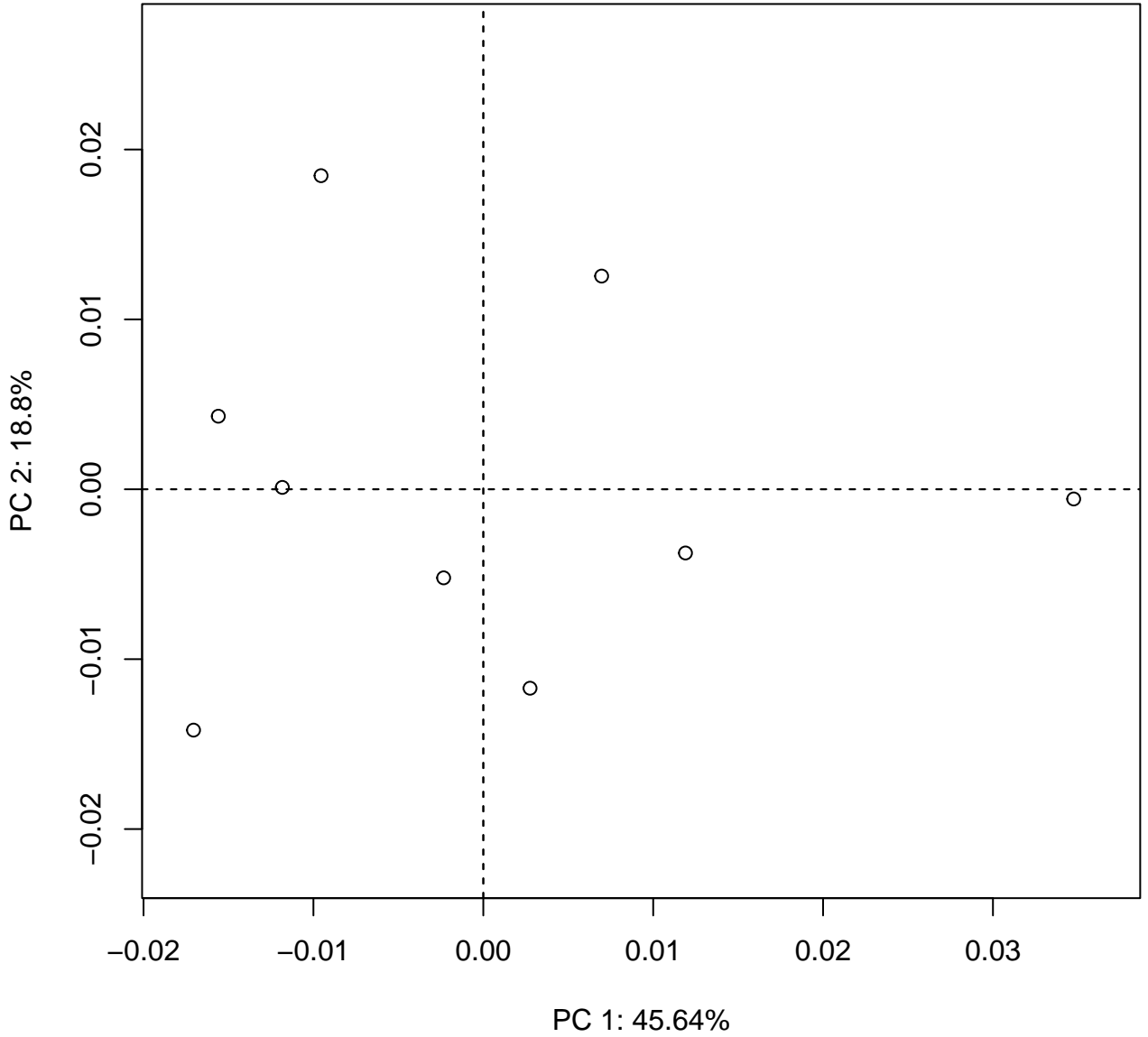
### Systematic ME / Random ME for Group c



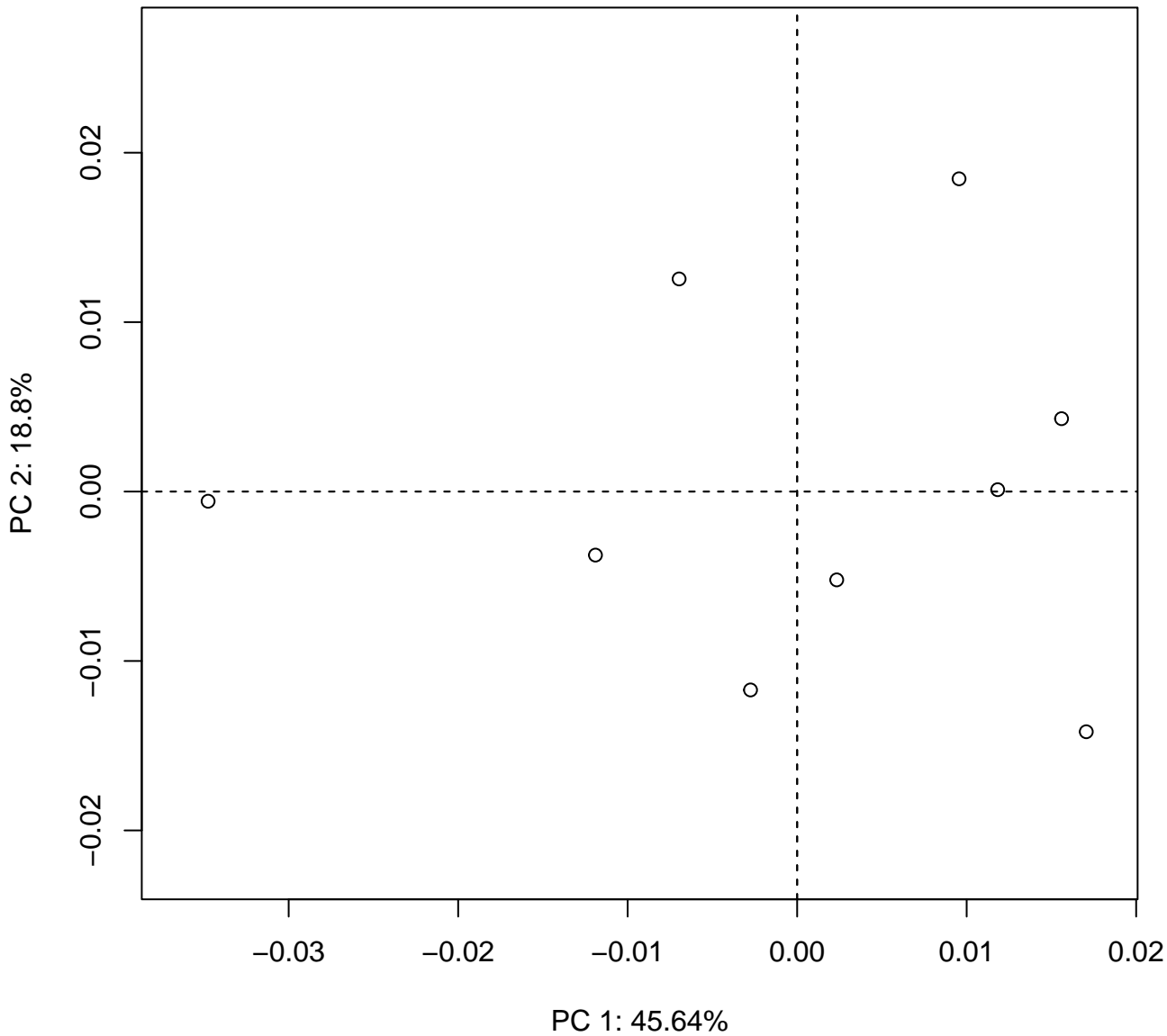




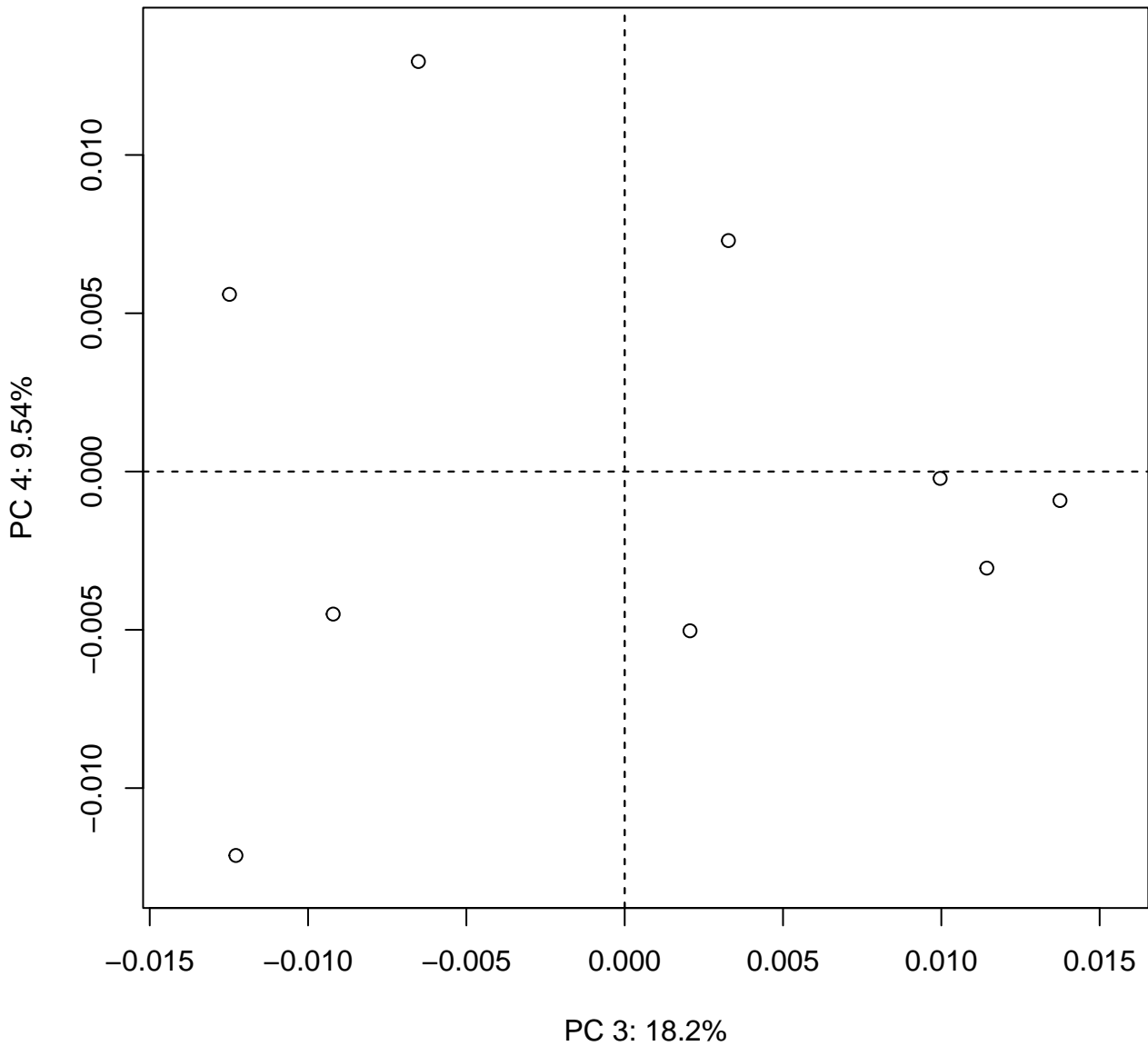
# PCA



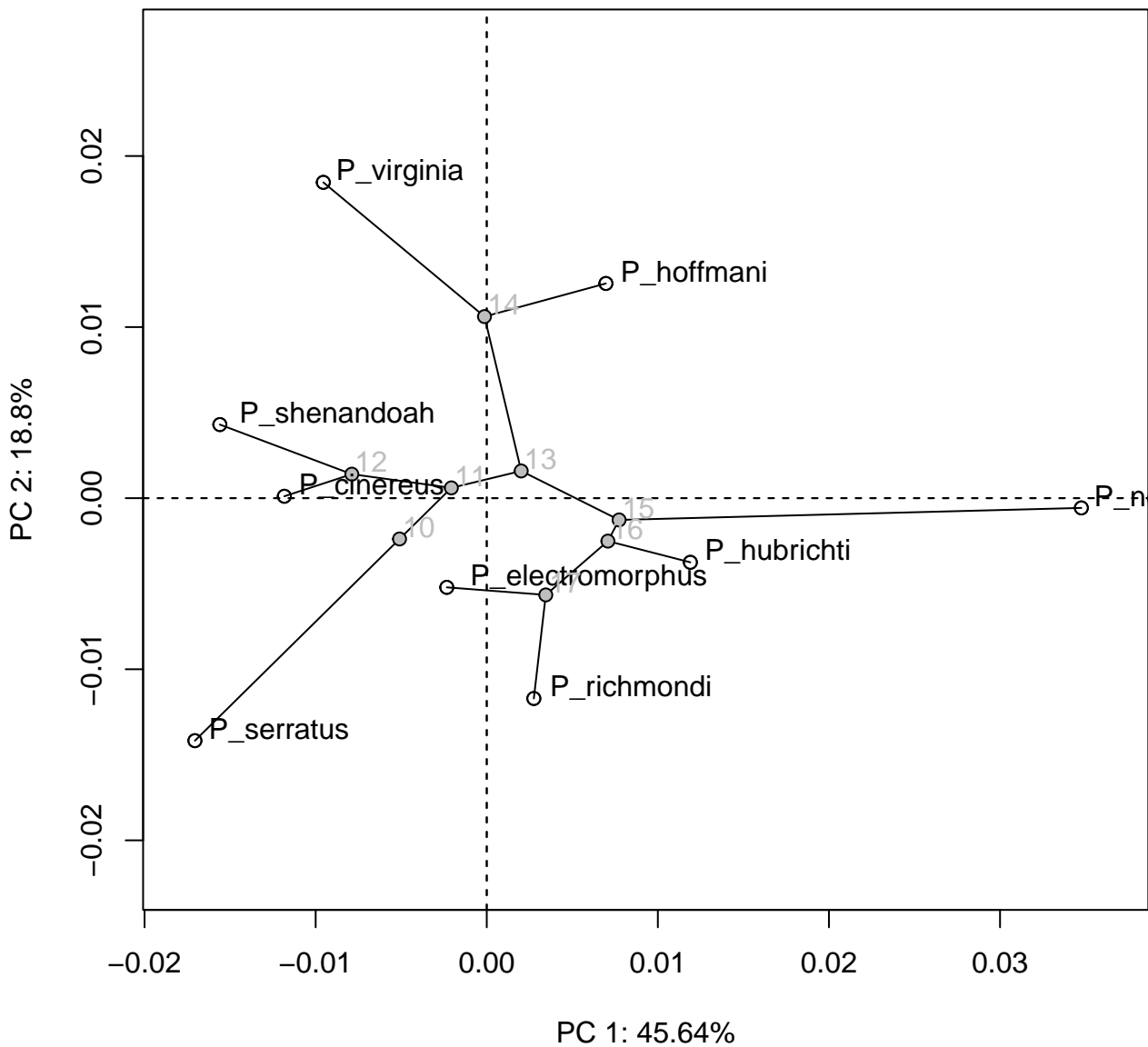
# PCA



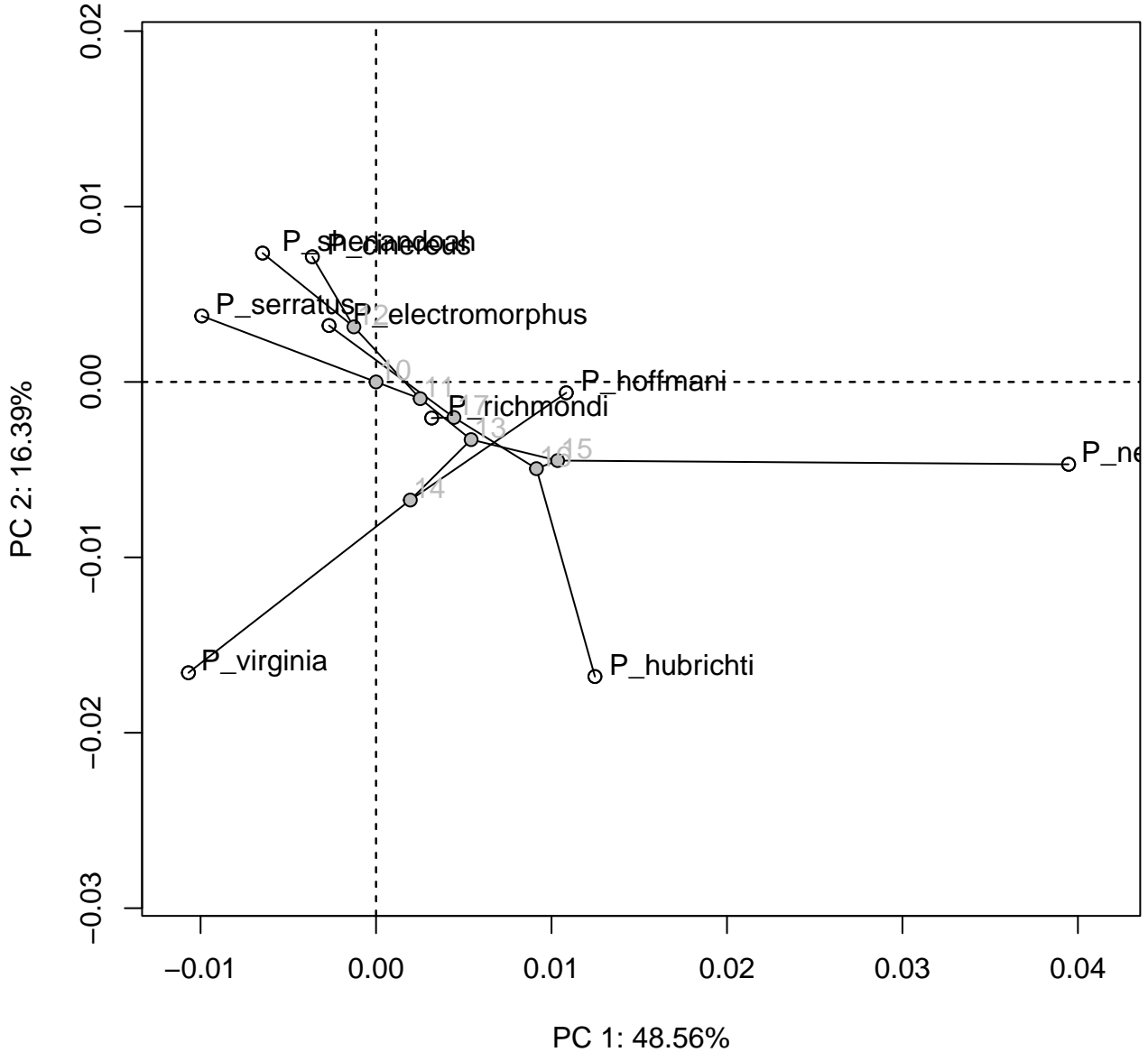
# PCA



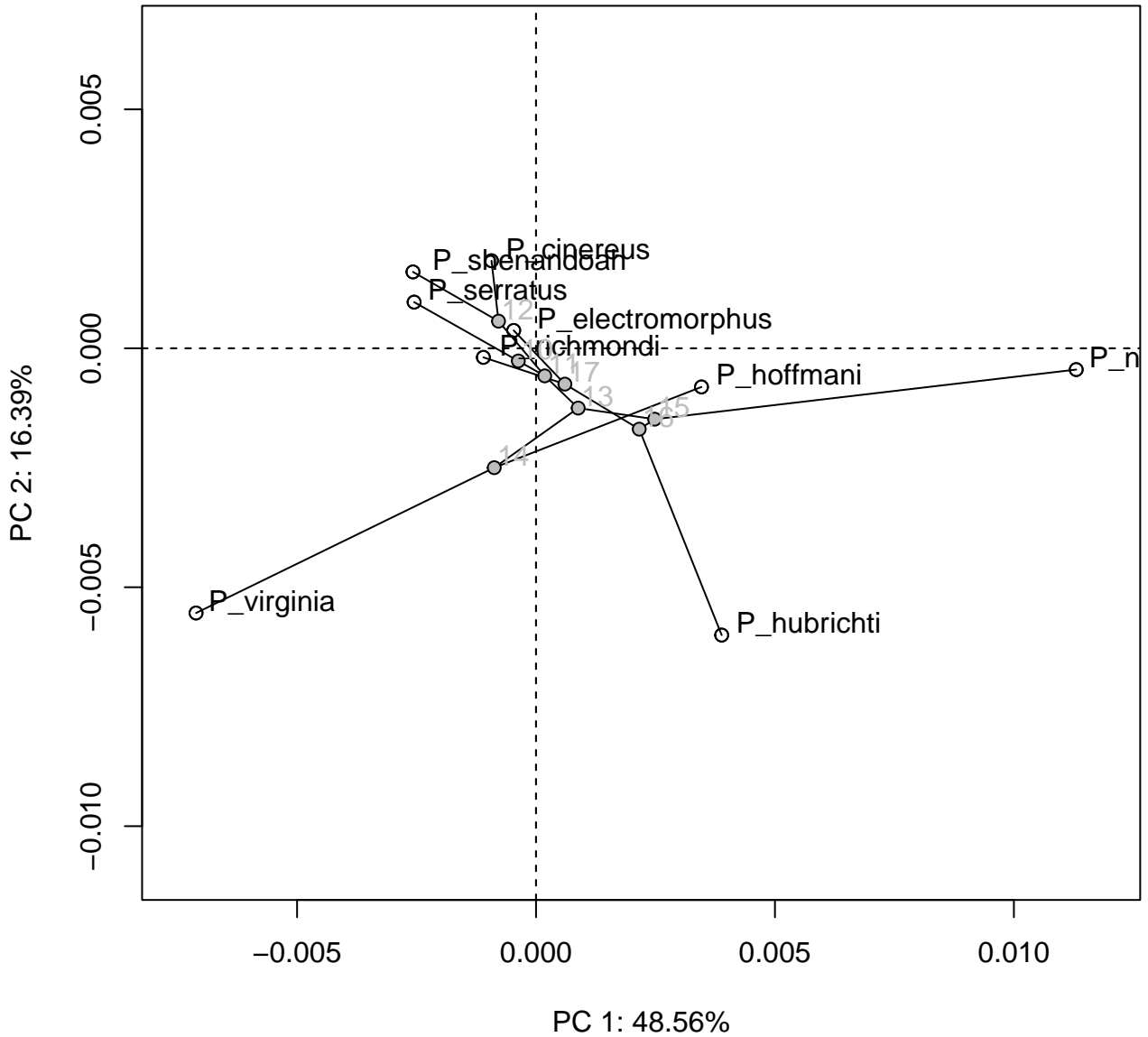
# PCA.w.phylo



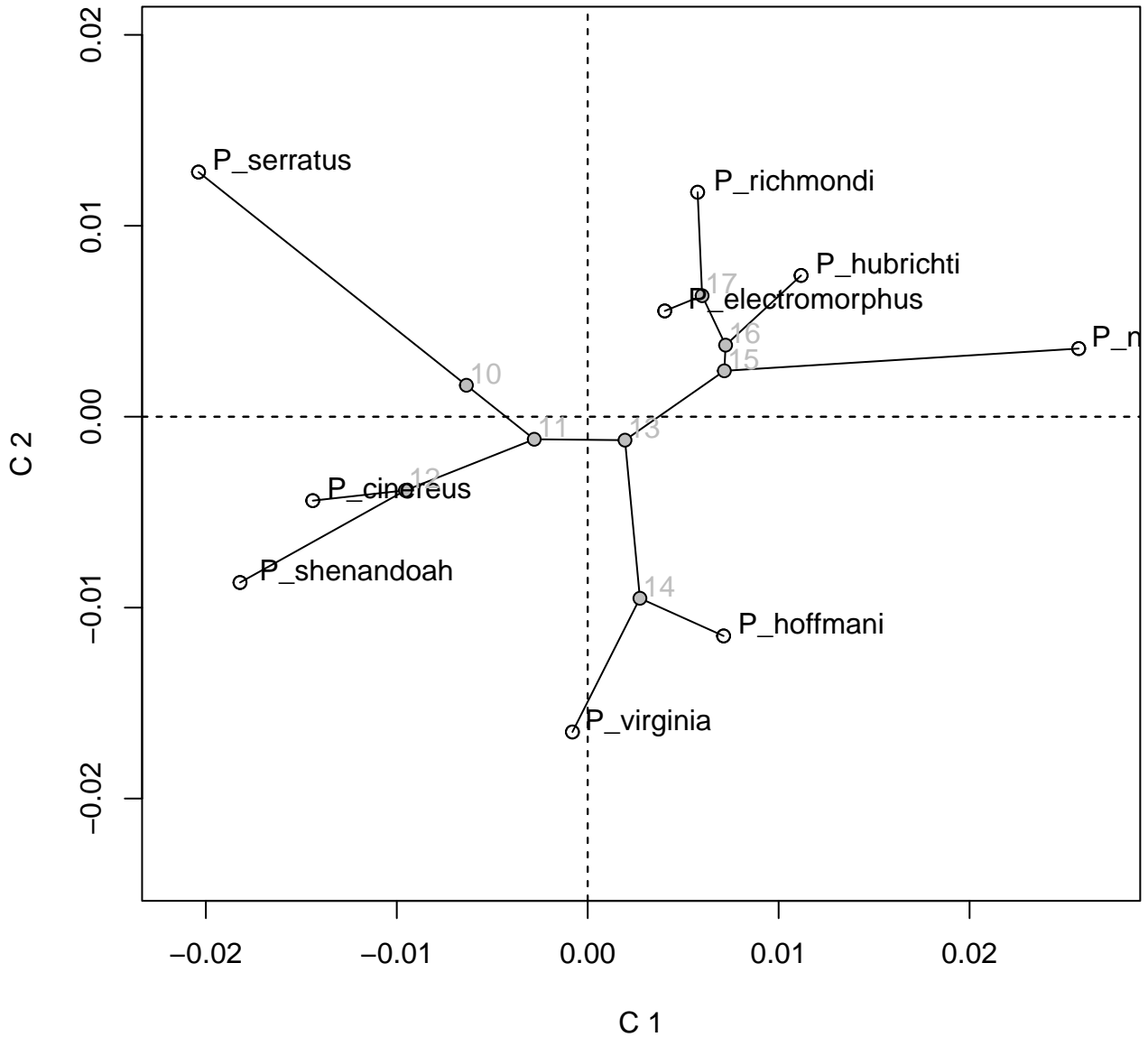
# phylo PCA



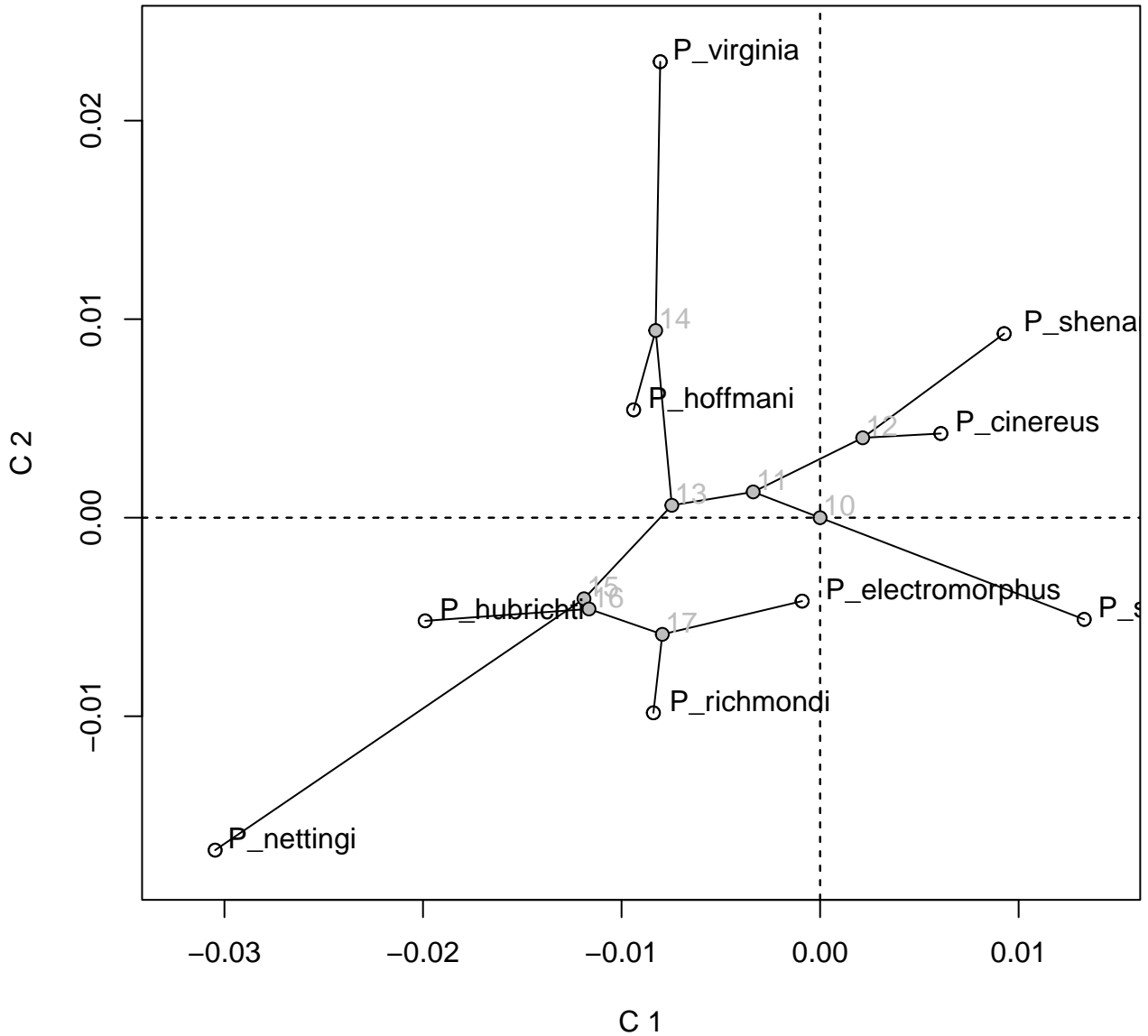
# phylo PCA



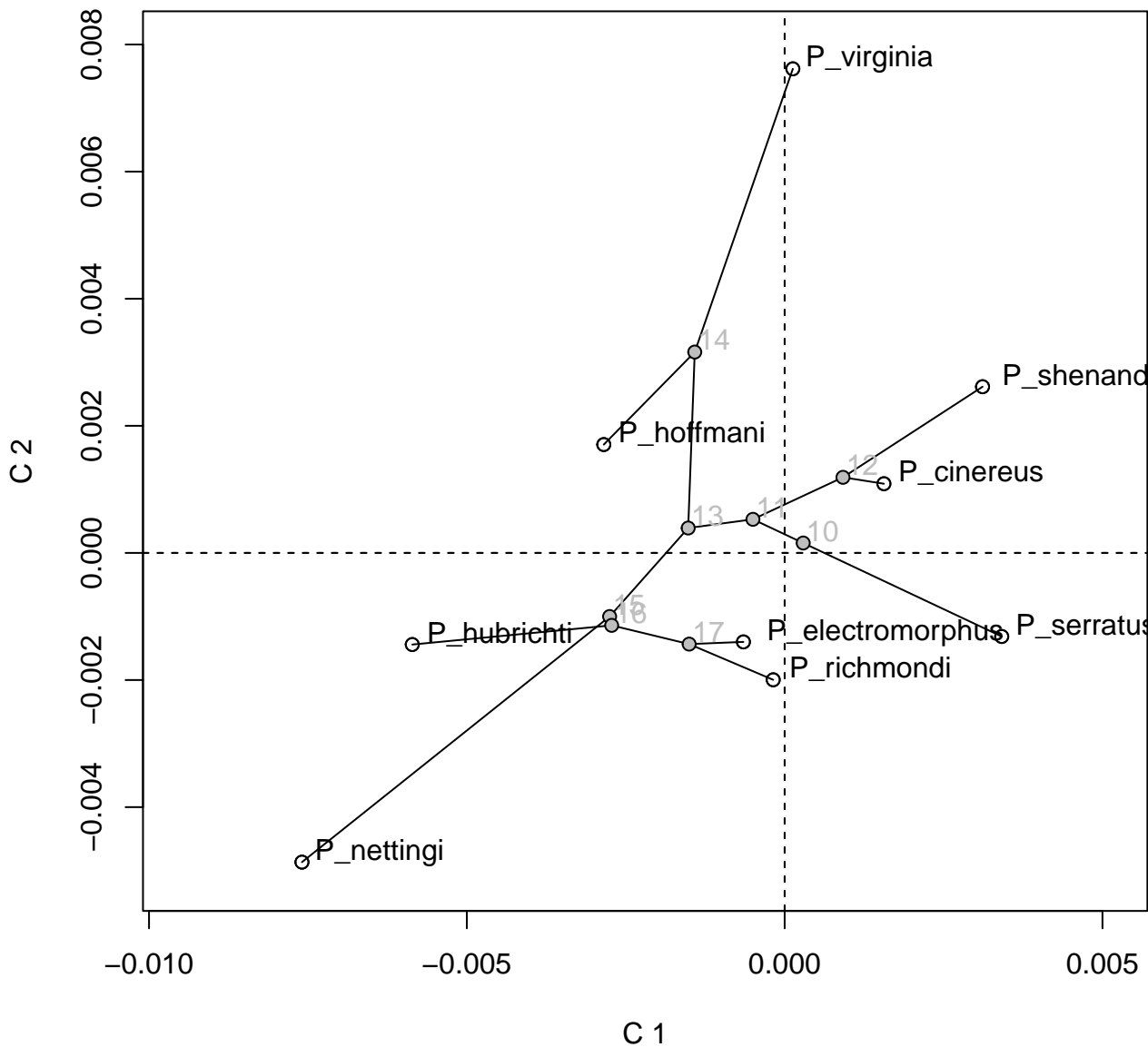
# PaCA using OLS

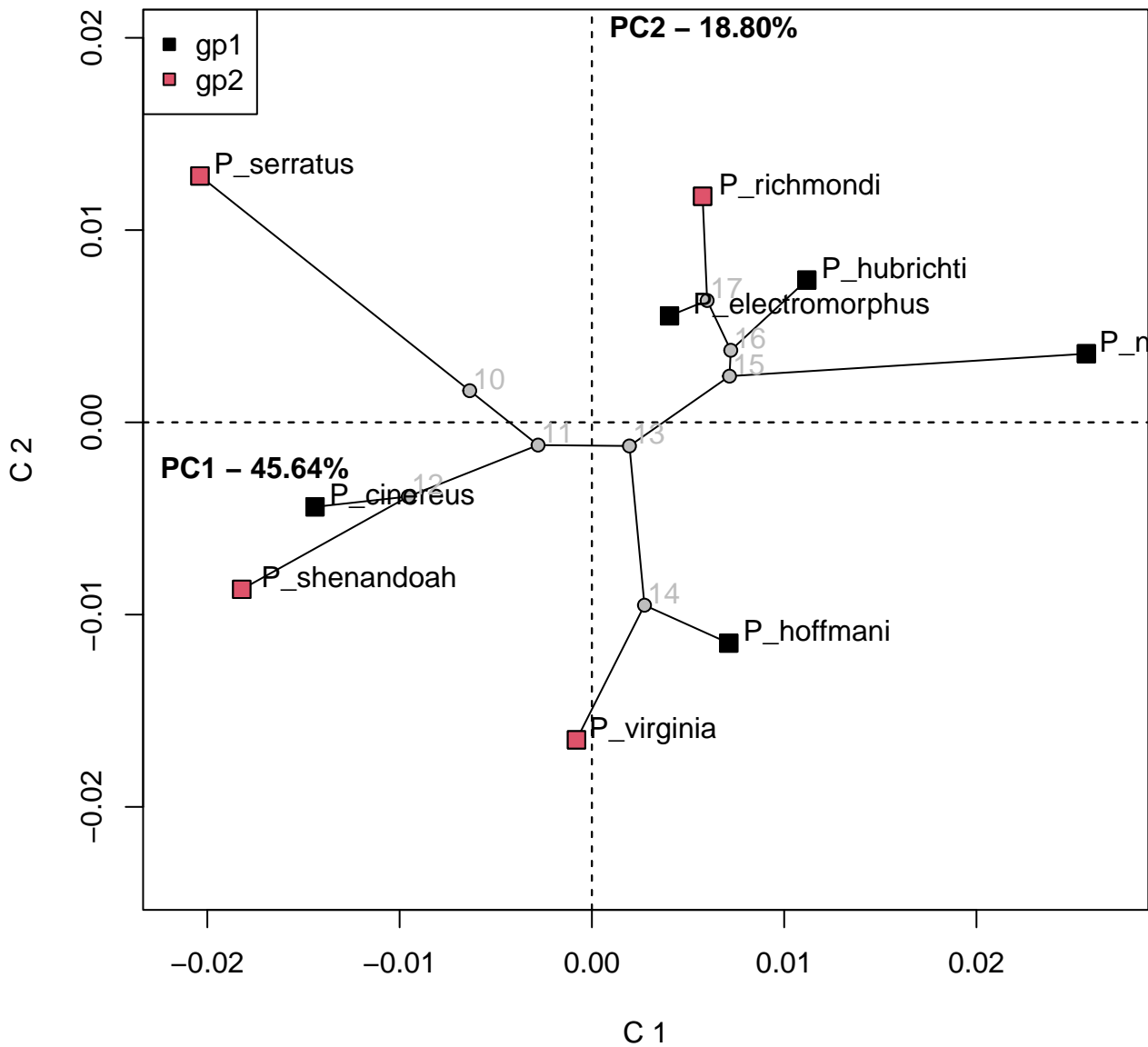


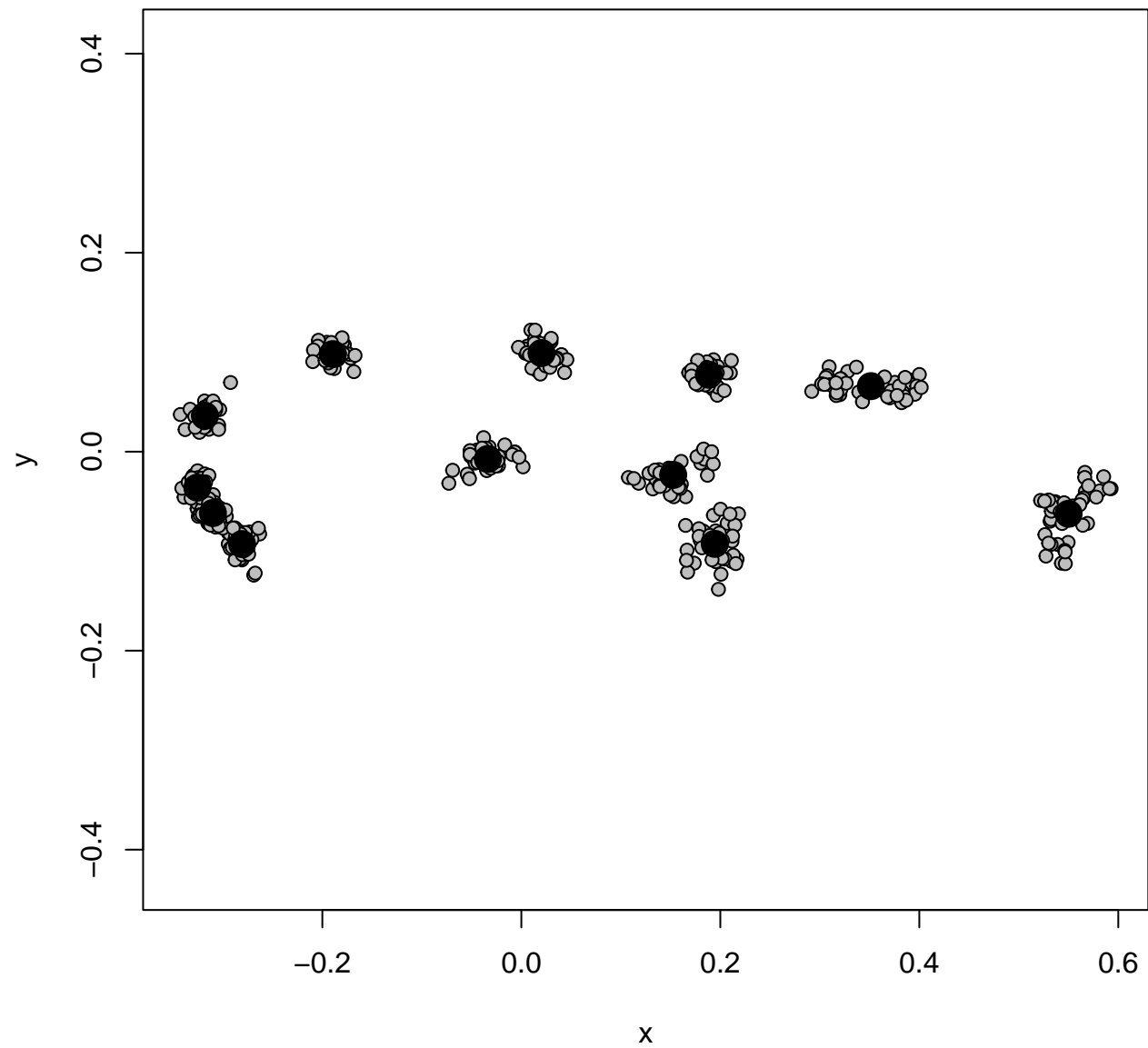
# PaCA using GLS

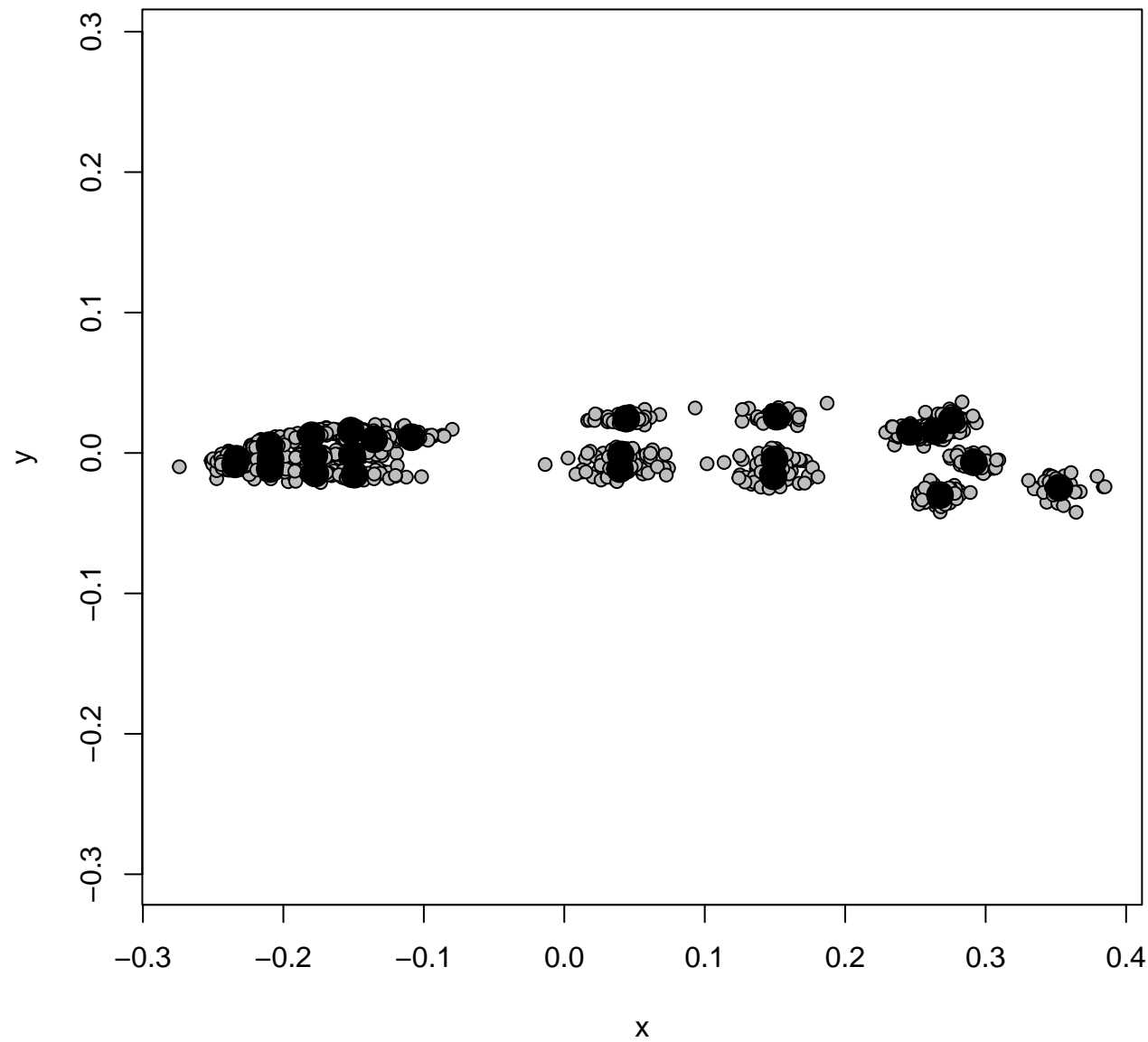


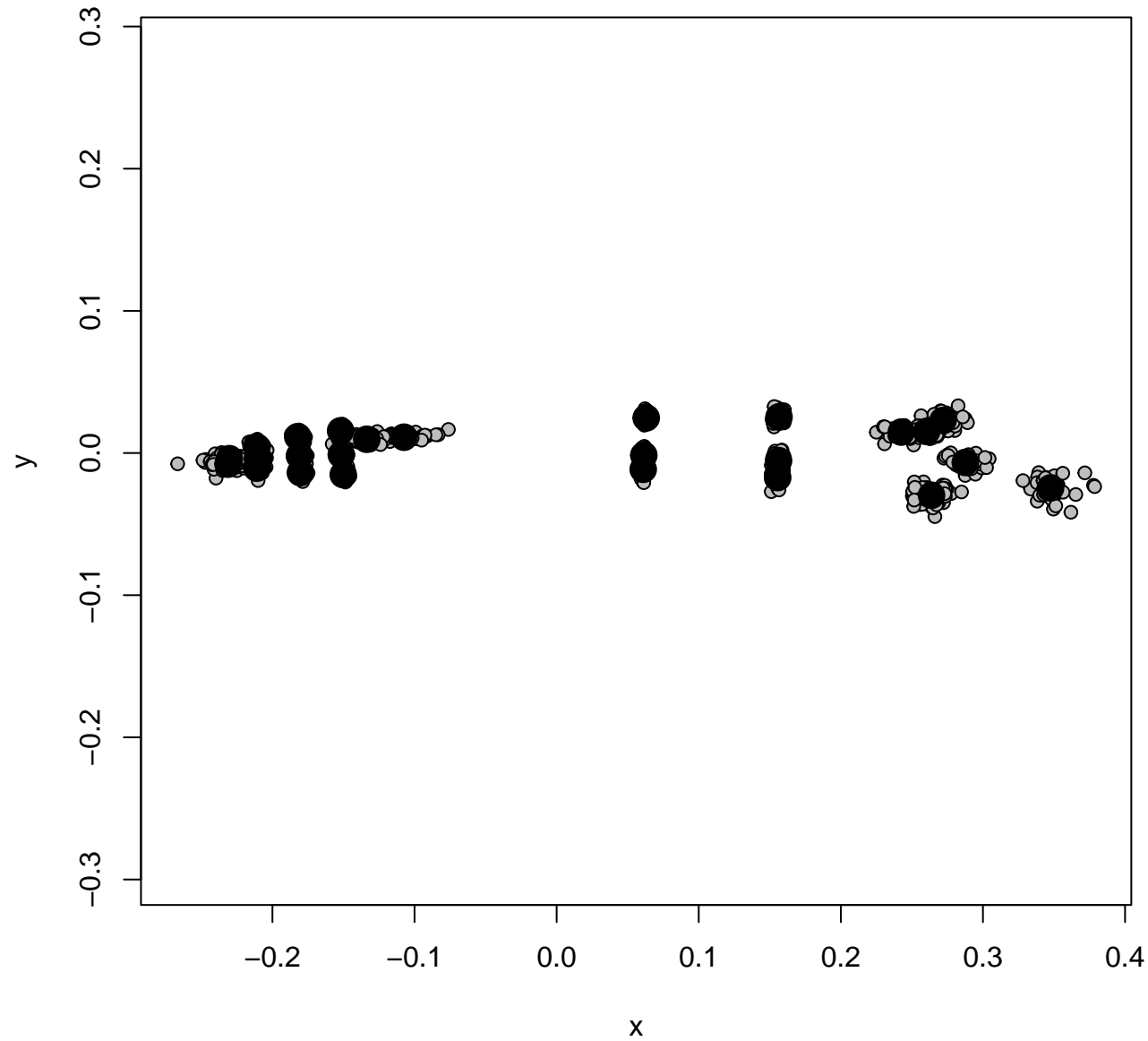
# PaCA using GLS and transformed projection



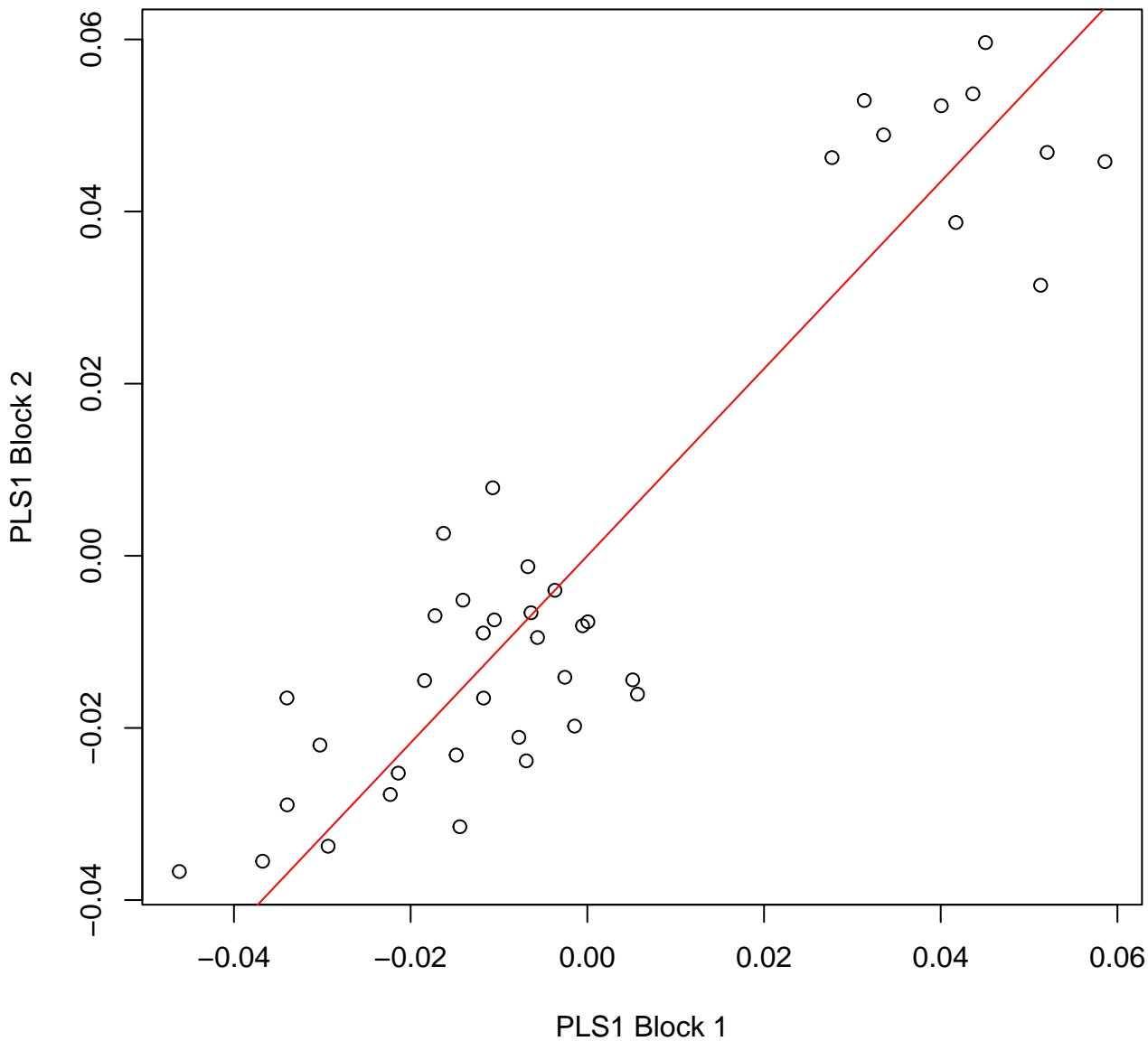




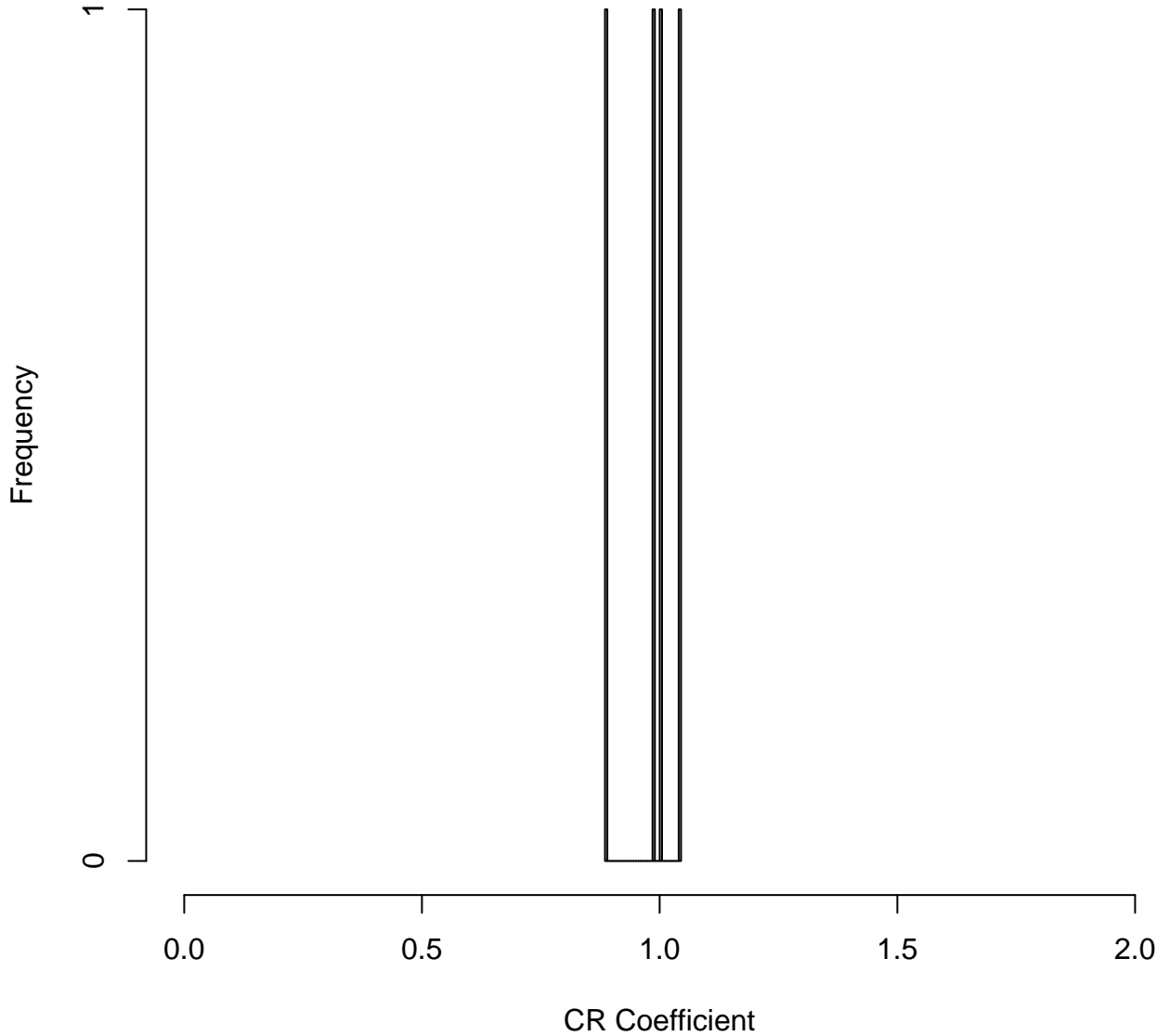




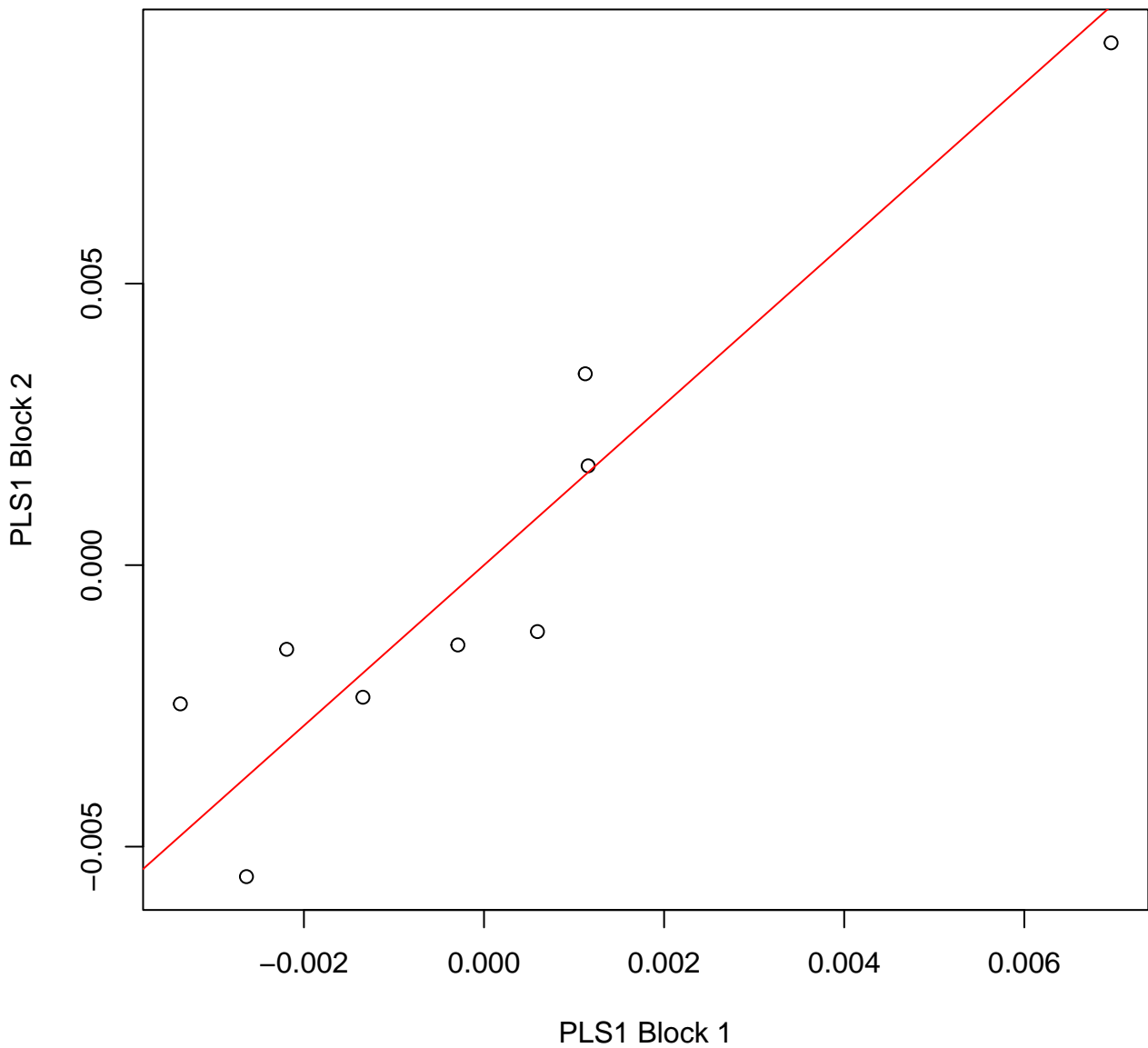
PLS1 Plot: Block 1 (X) vs. Block 2 (Y)



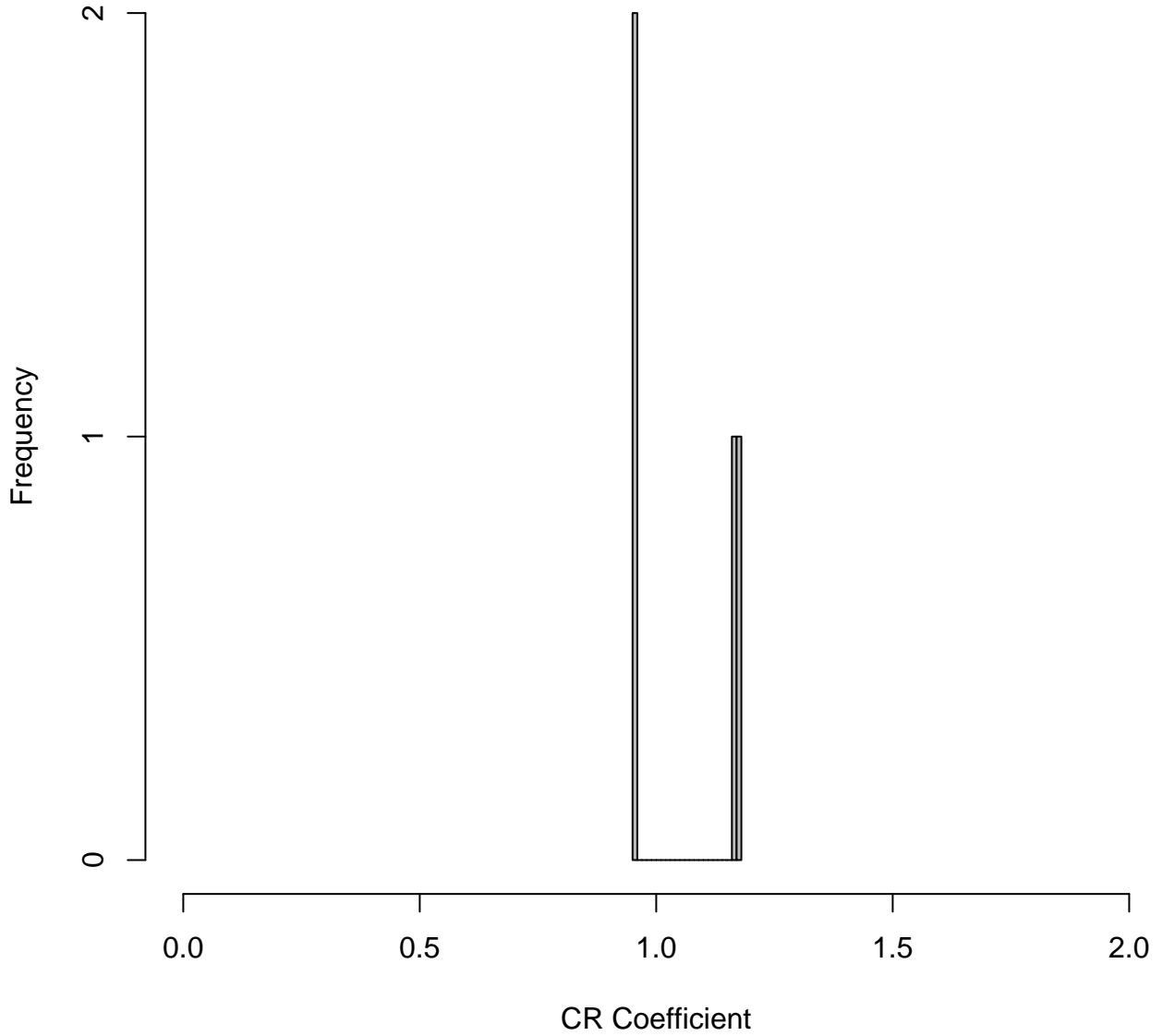
Observed CR = 0.9 ; P-value = 0.2

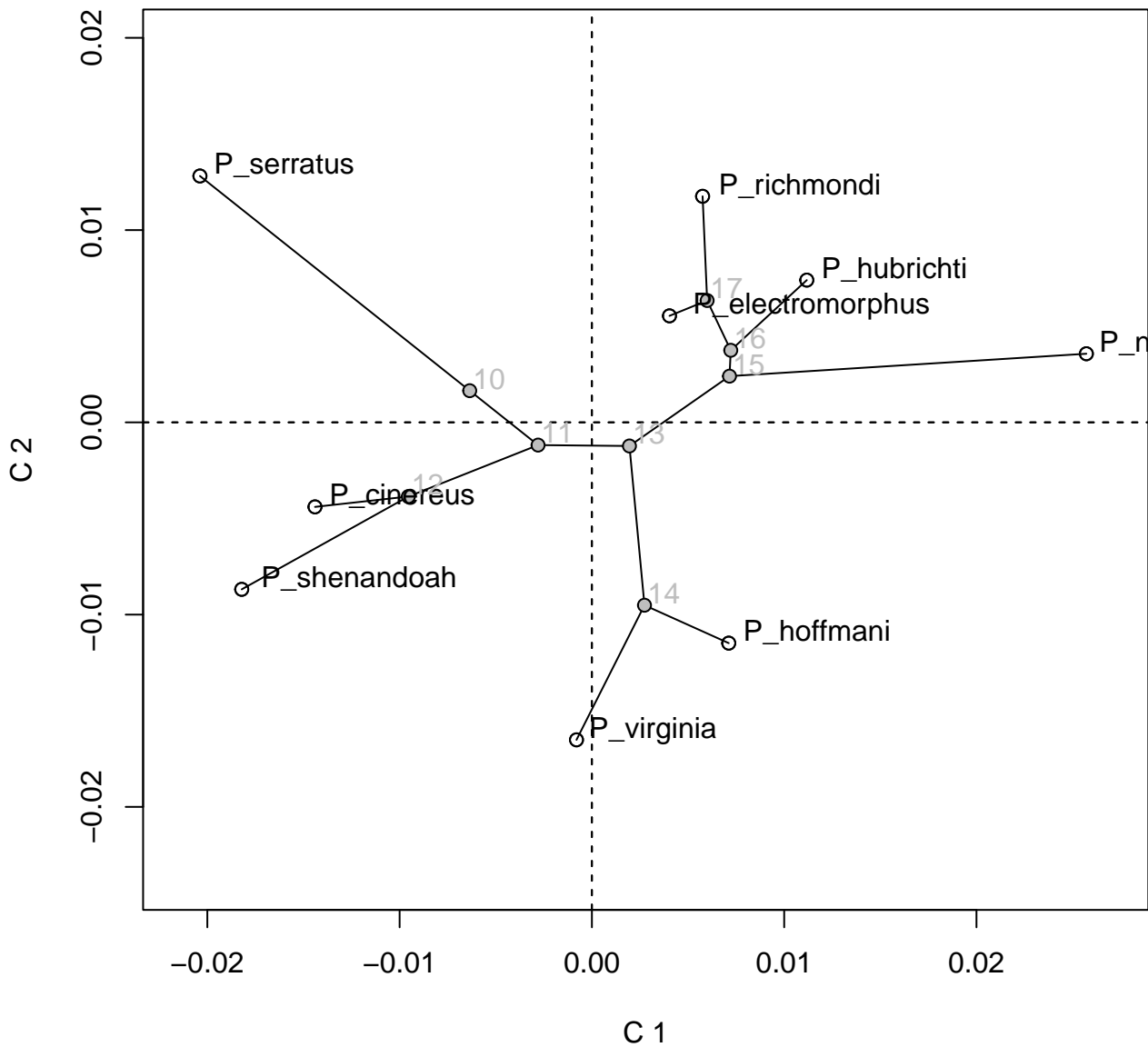


PLS1 Plot: Block 1 (X) vs. Block 2 (Y)



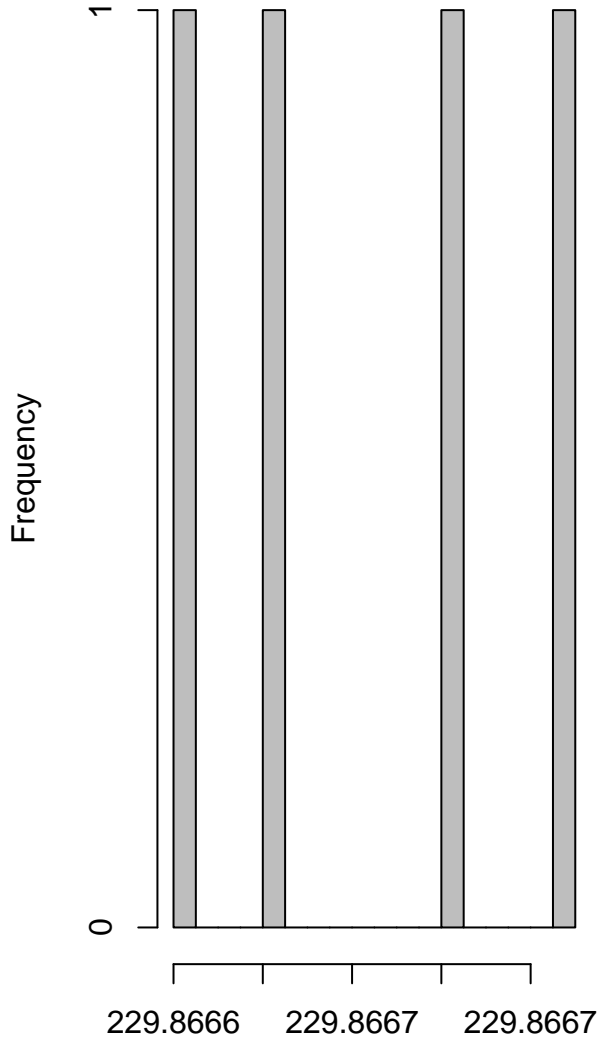
Observed CR = 1.2 ; P-value = 0.8



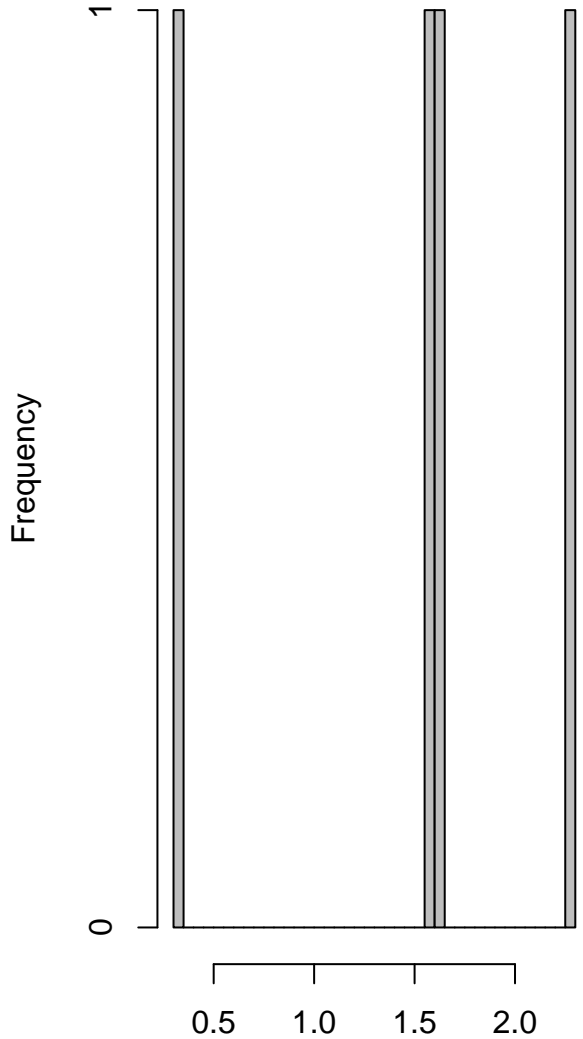


Observed log-likelihood = 229.87 ; P-value = 0.2

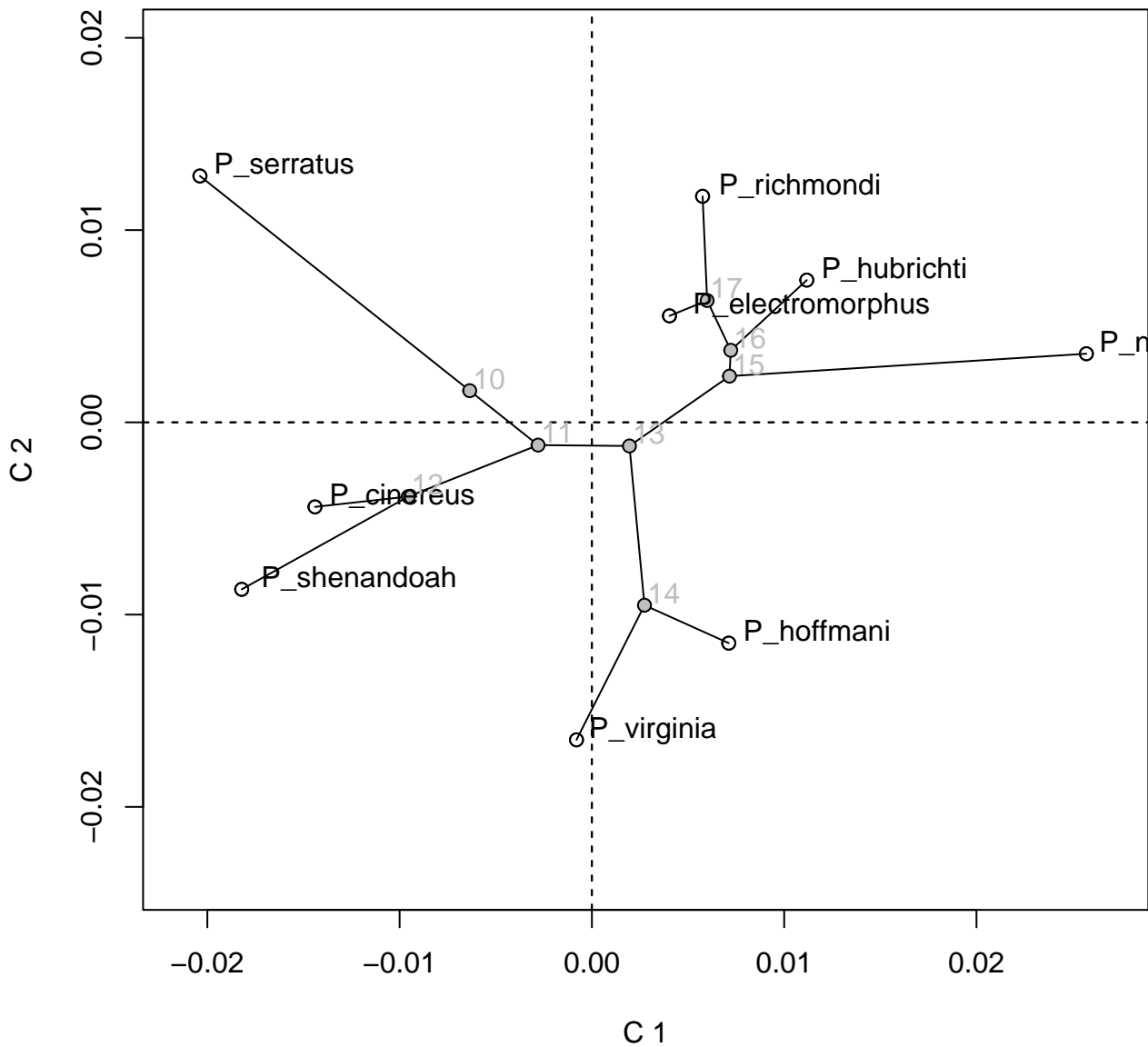
Standardized effect size = 1.62

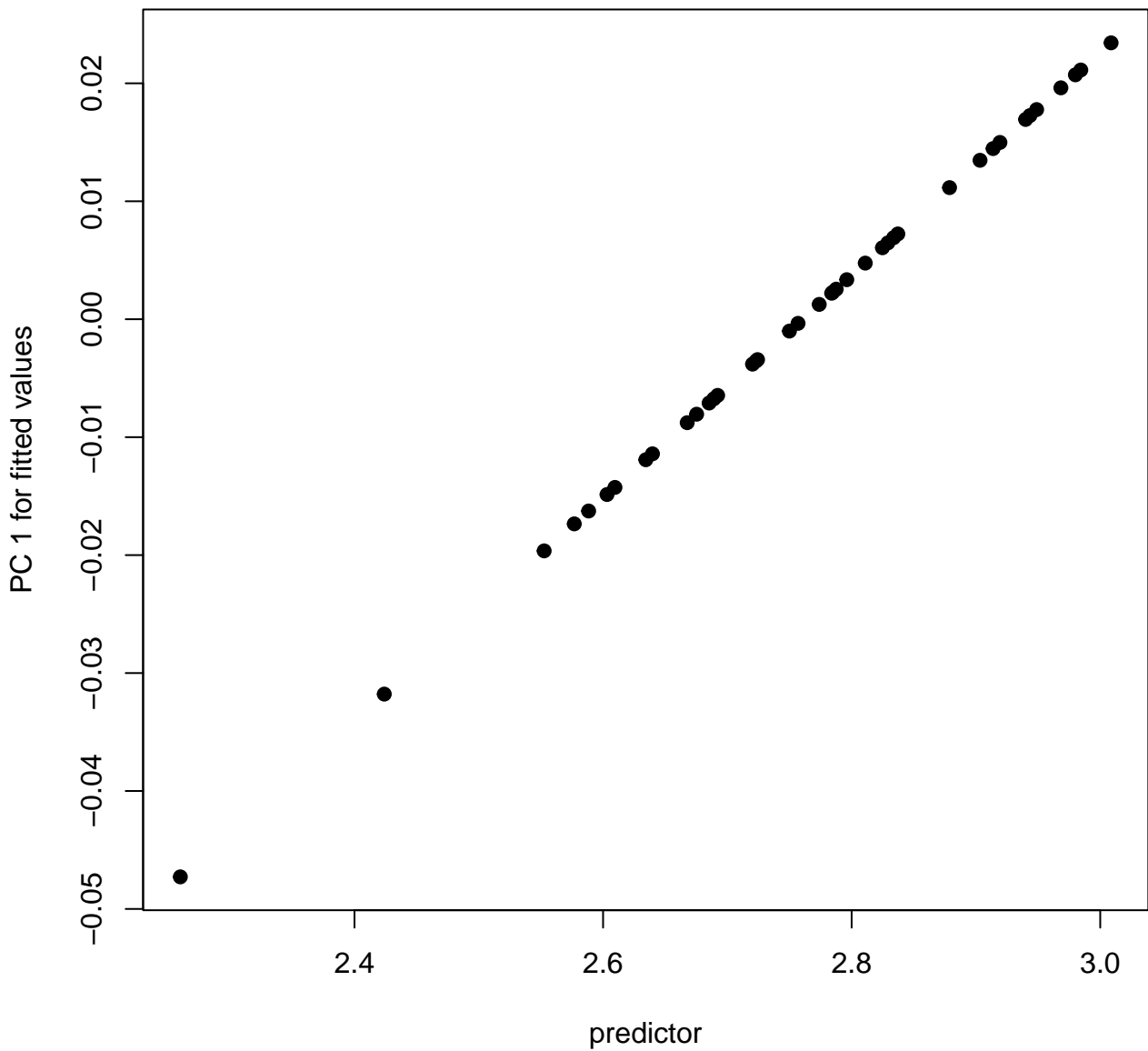


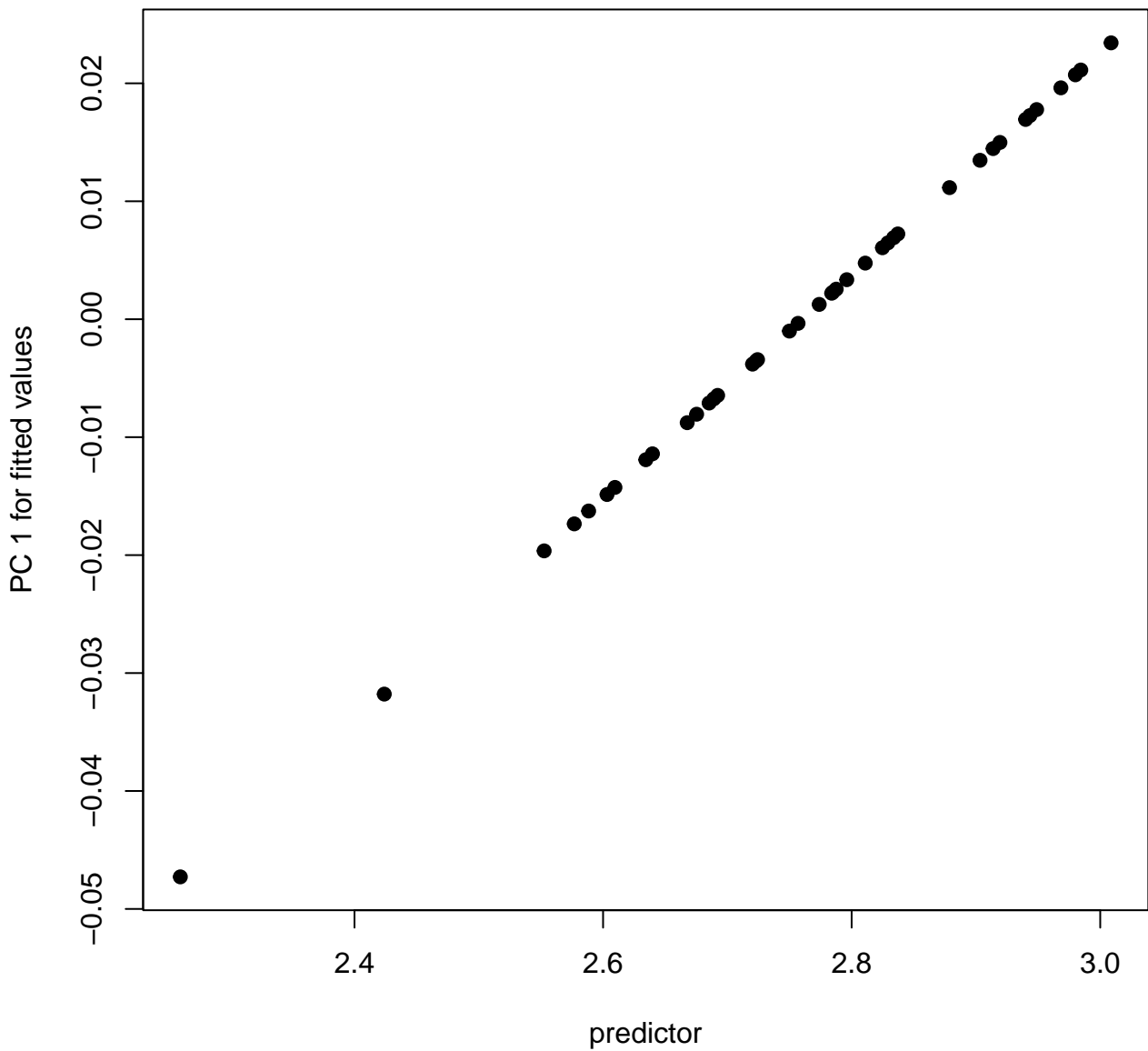
log-likelihoods: 4 RRPP permutations

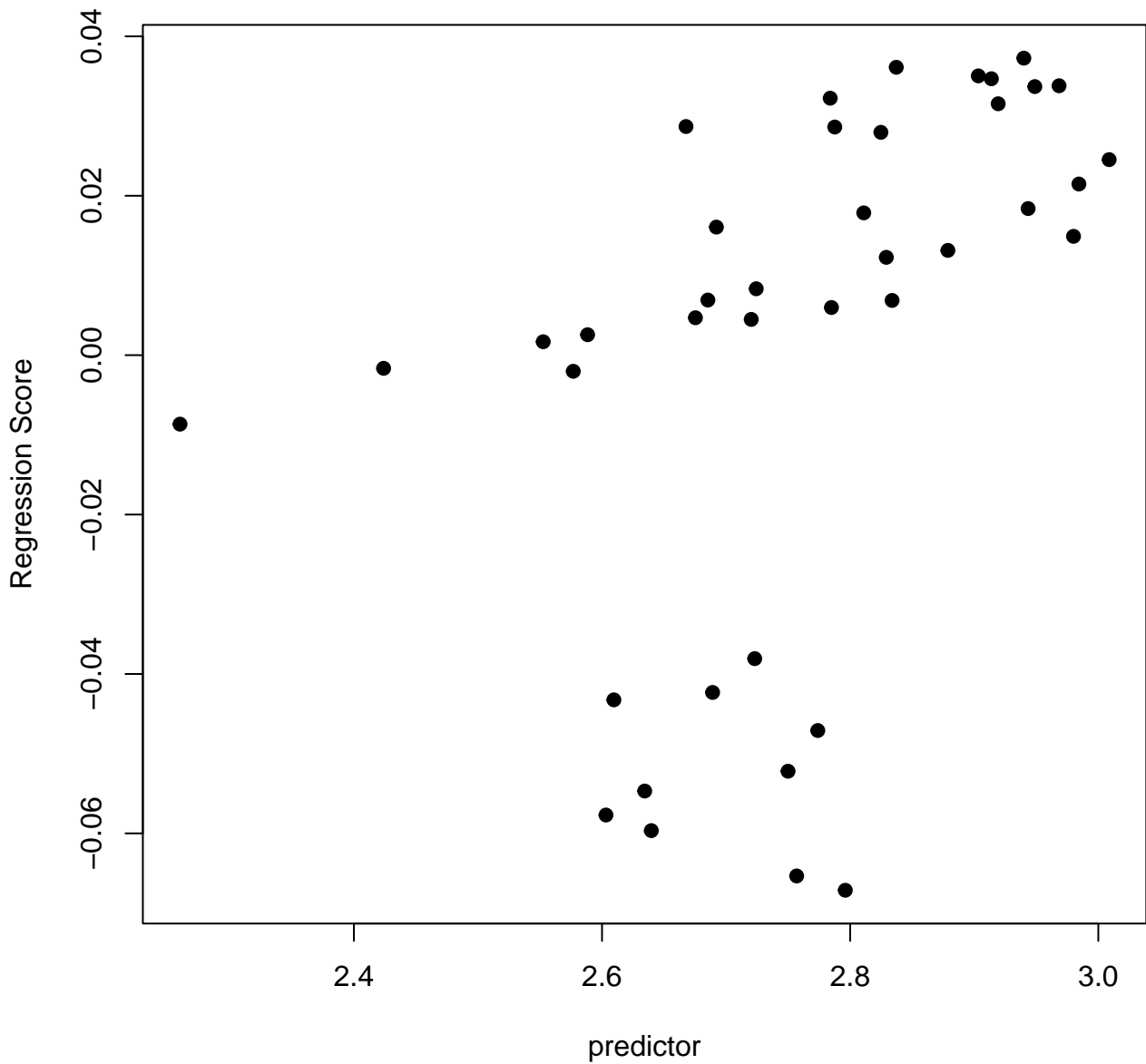


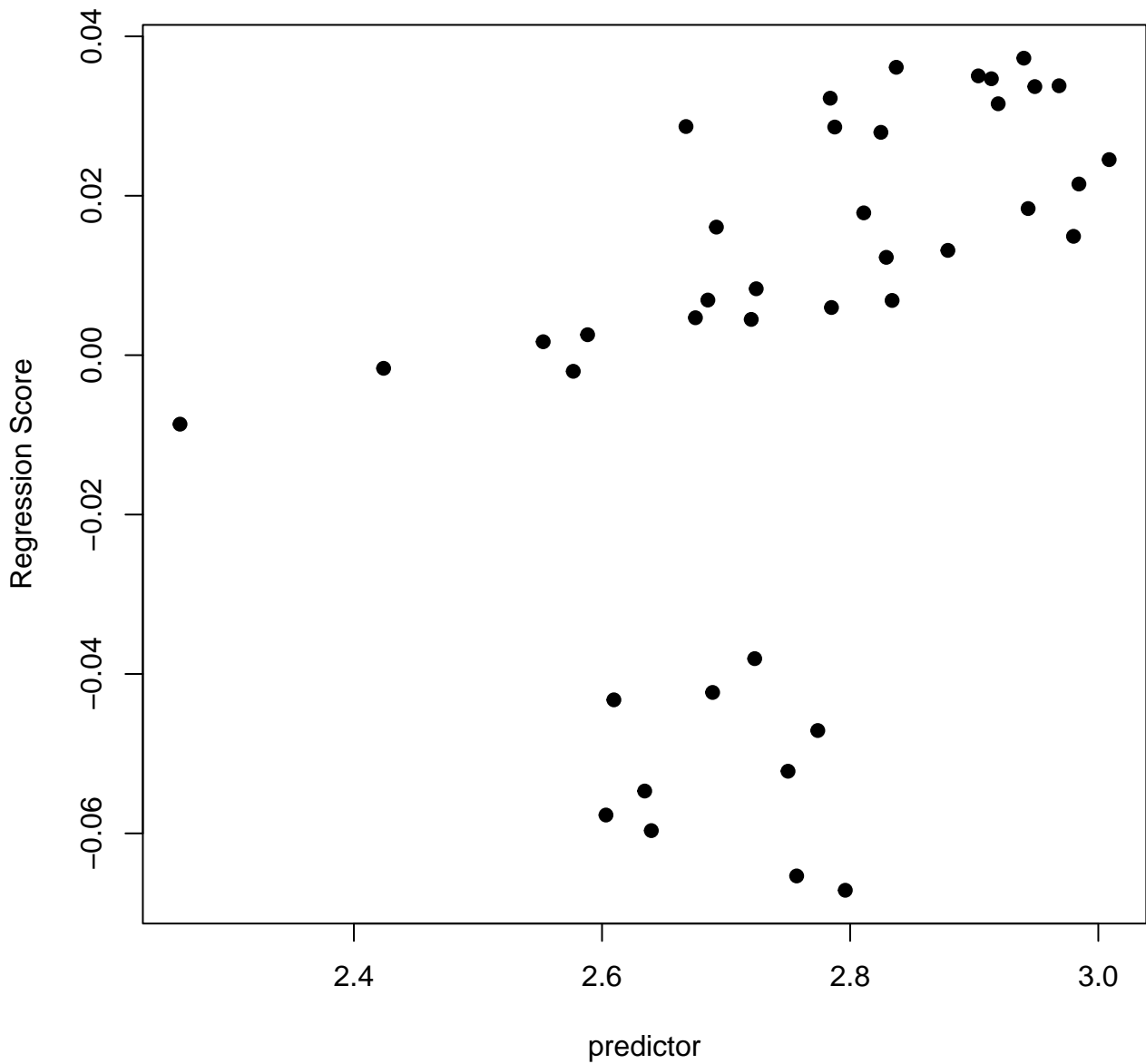
Standardized values

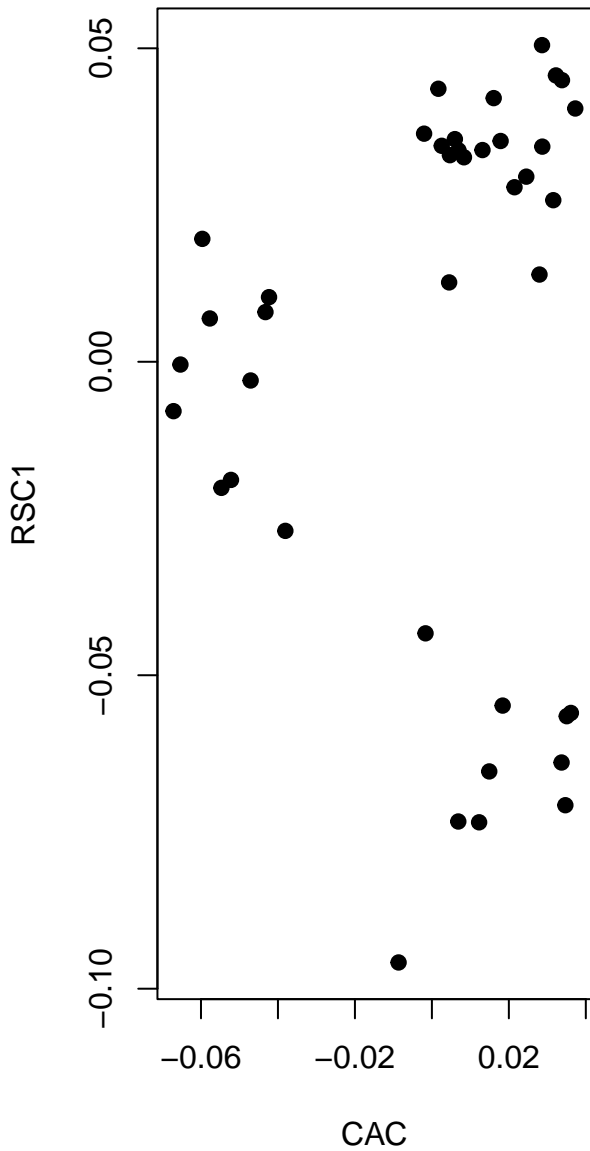
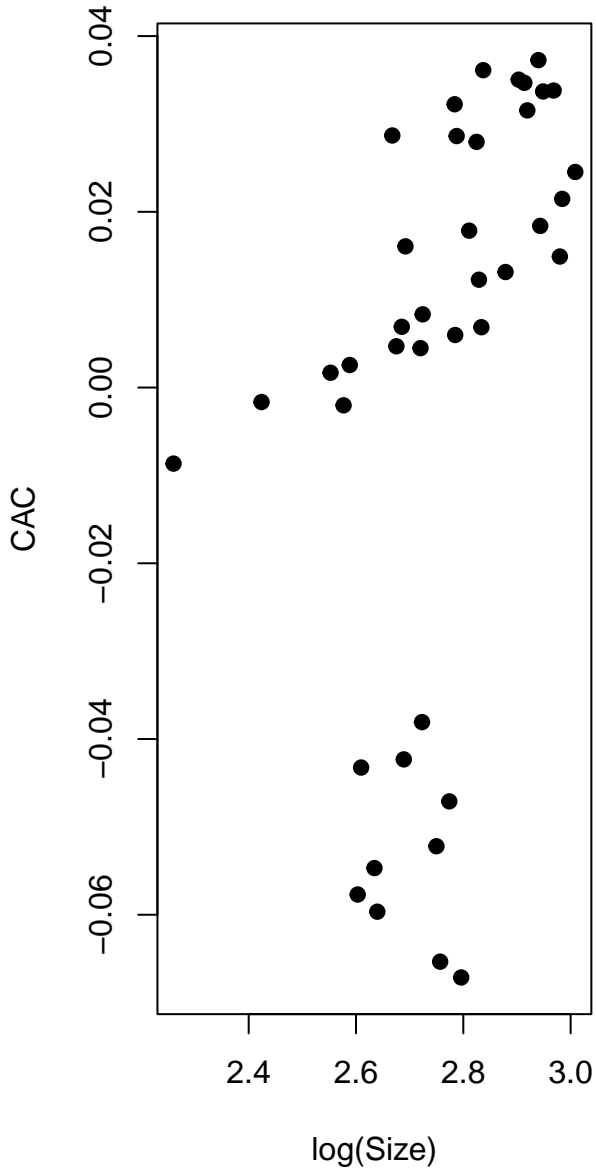




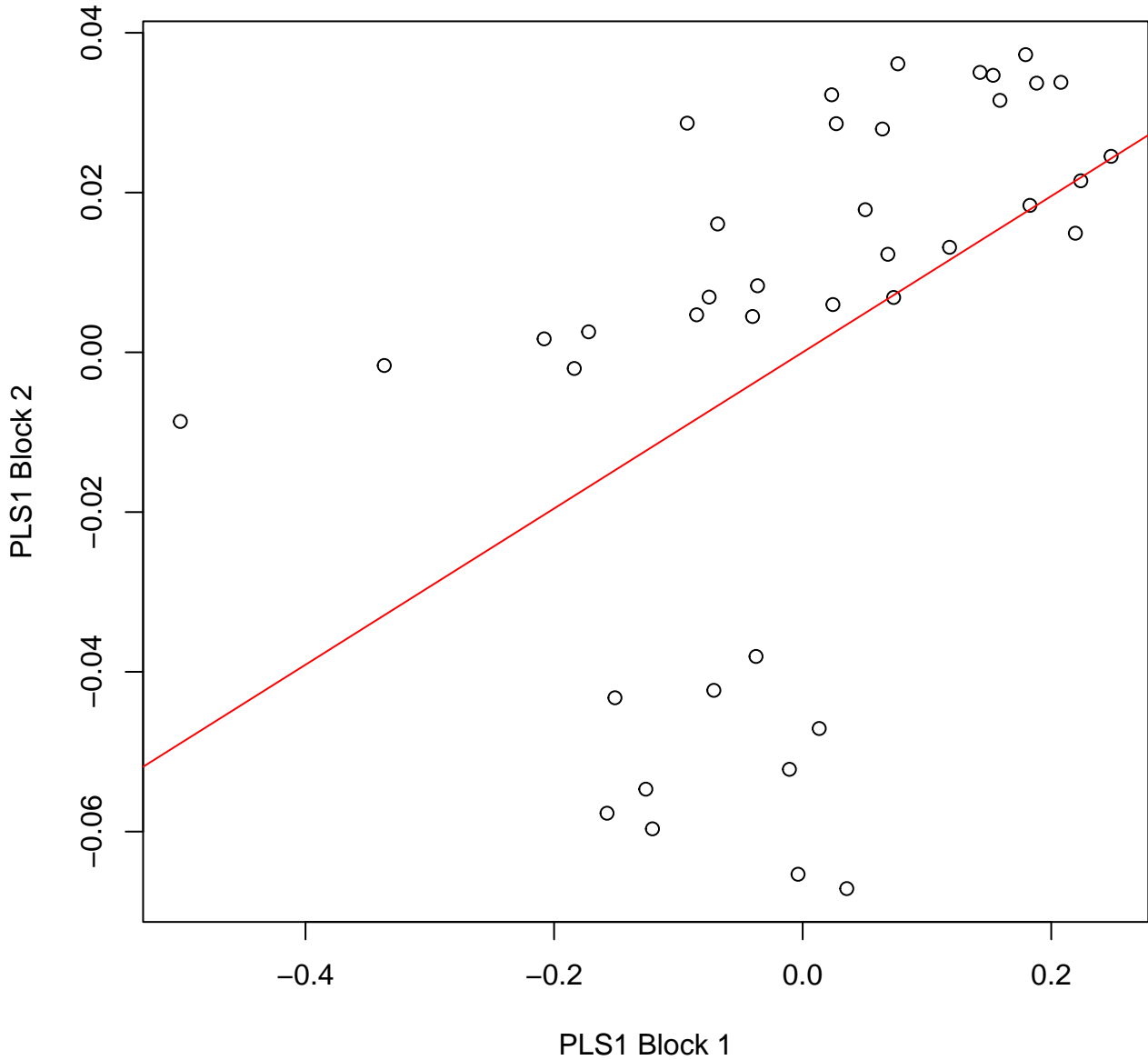


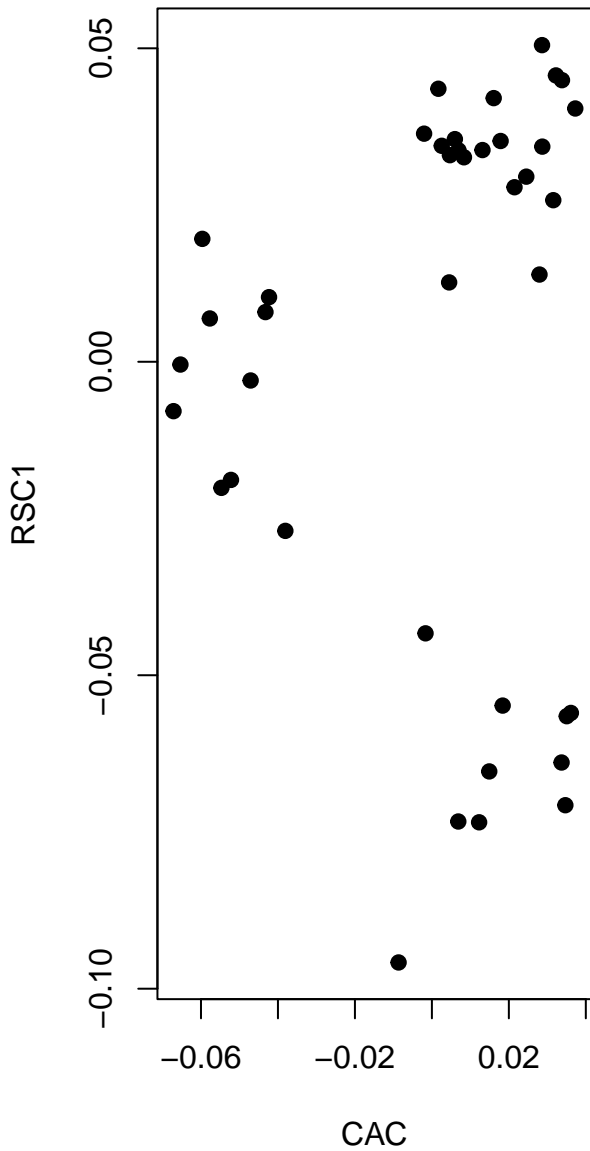
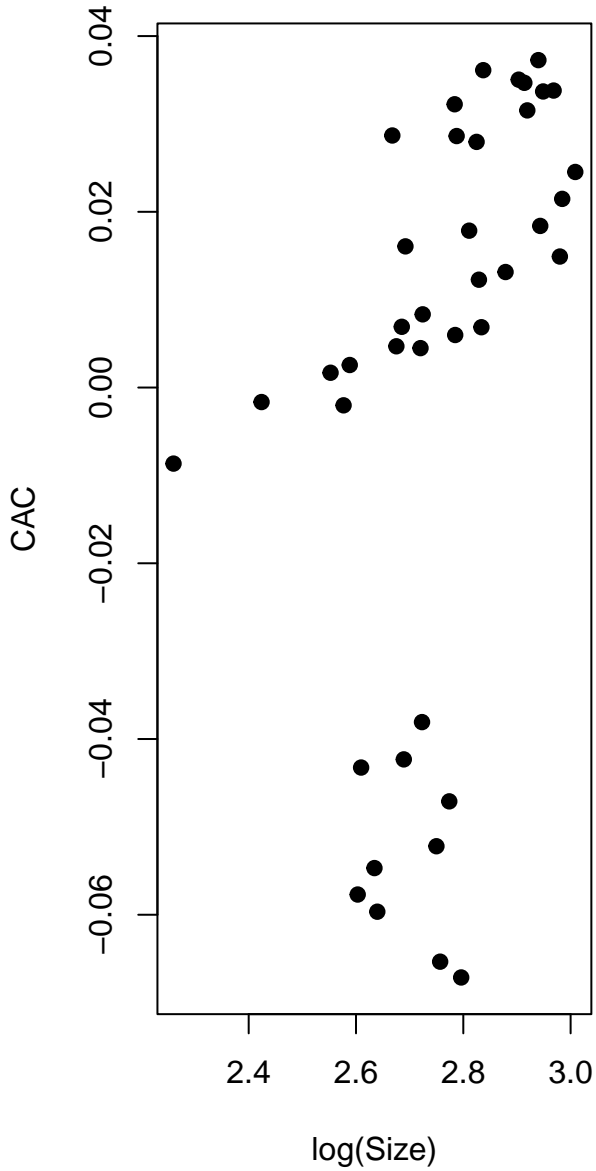


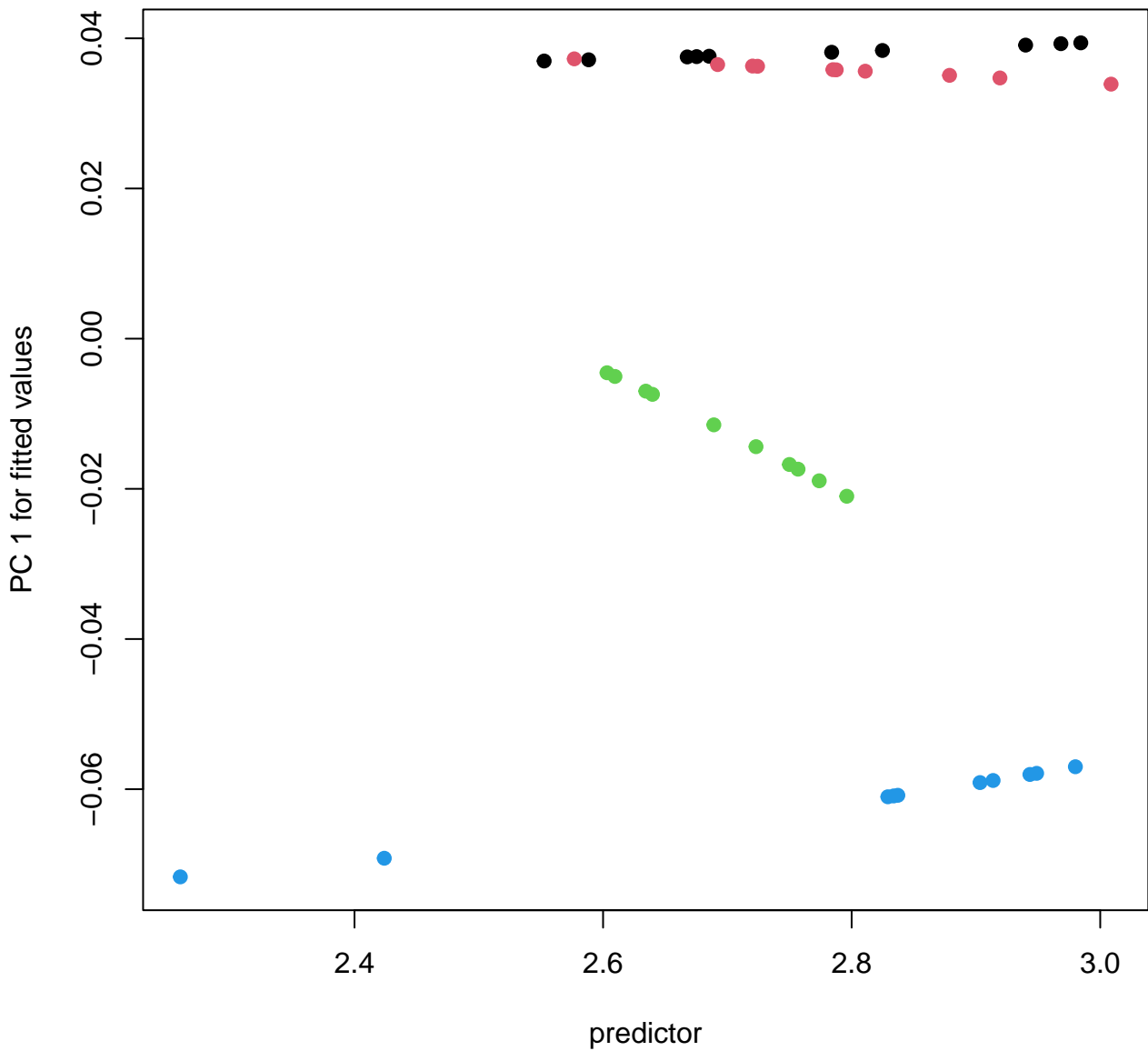


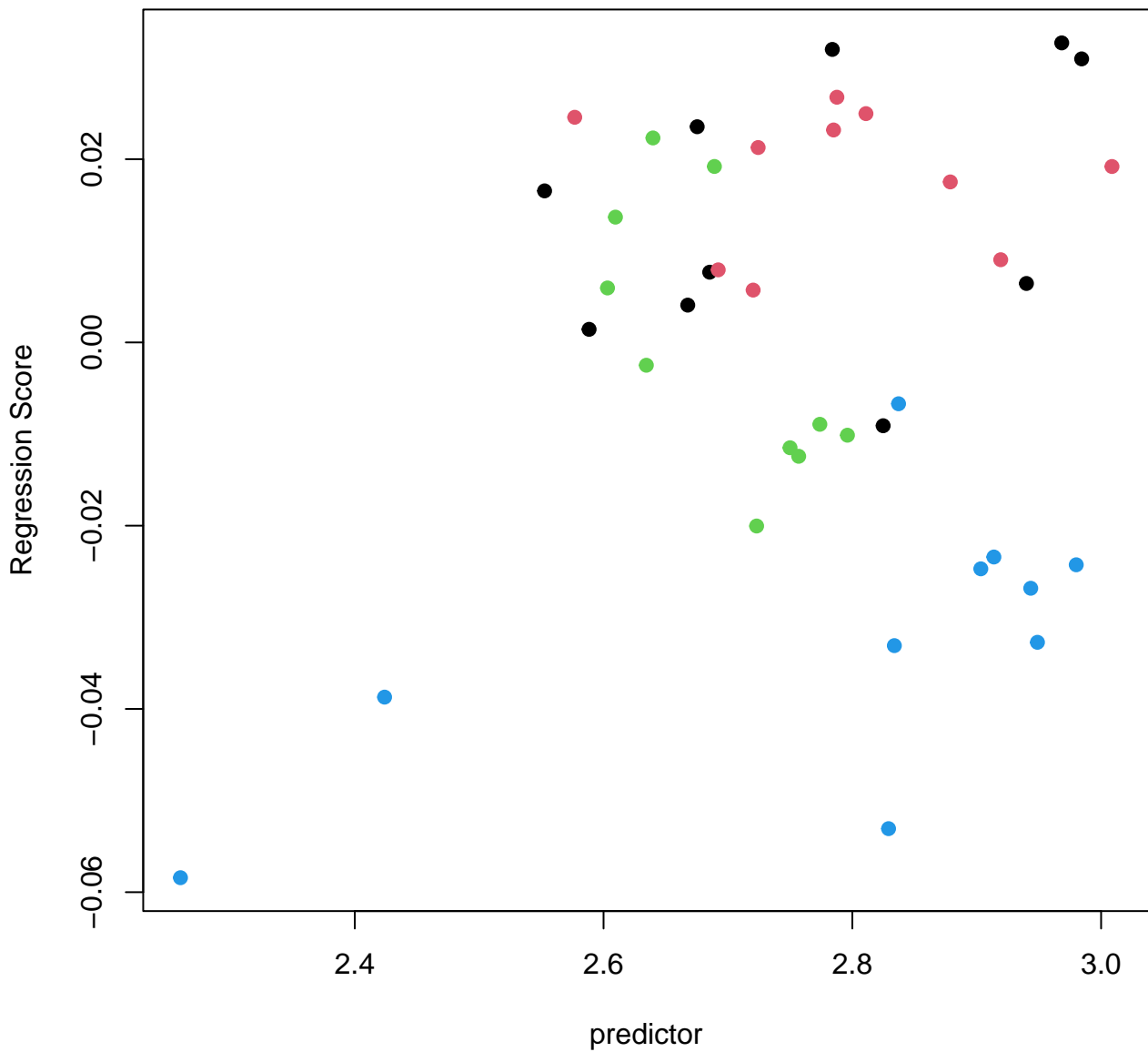


PLS1 Plot: Block 1 (X) vs. Block 2 (Y)

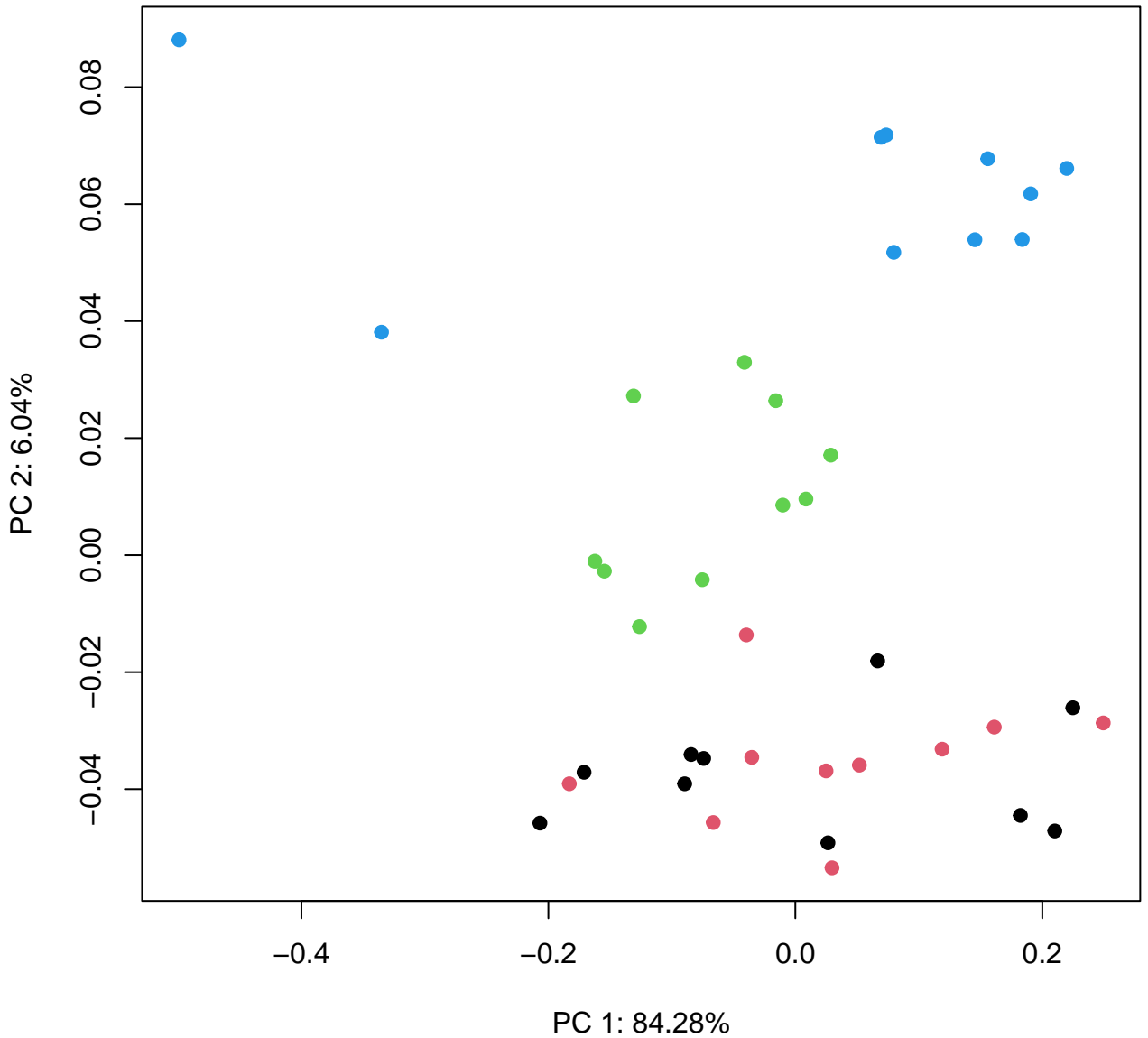


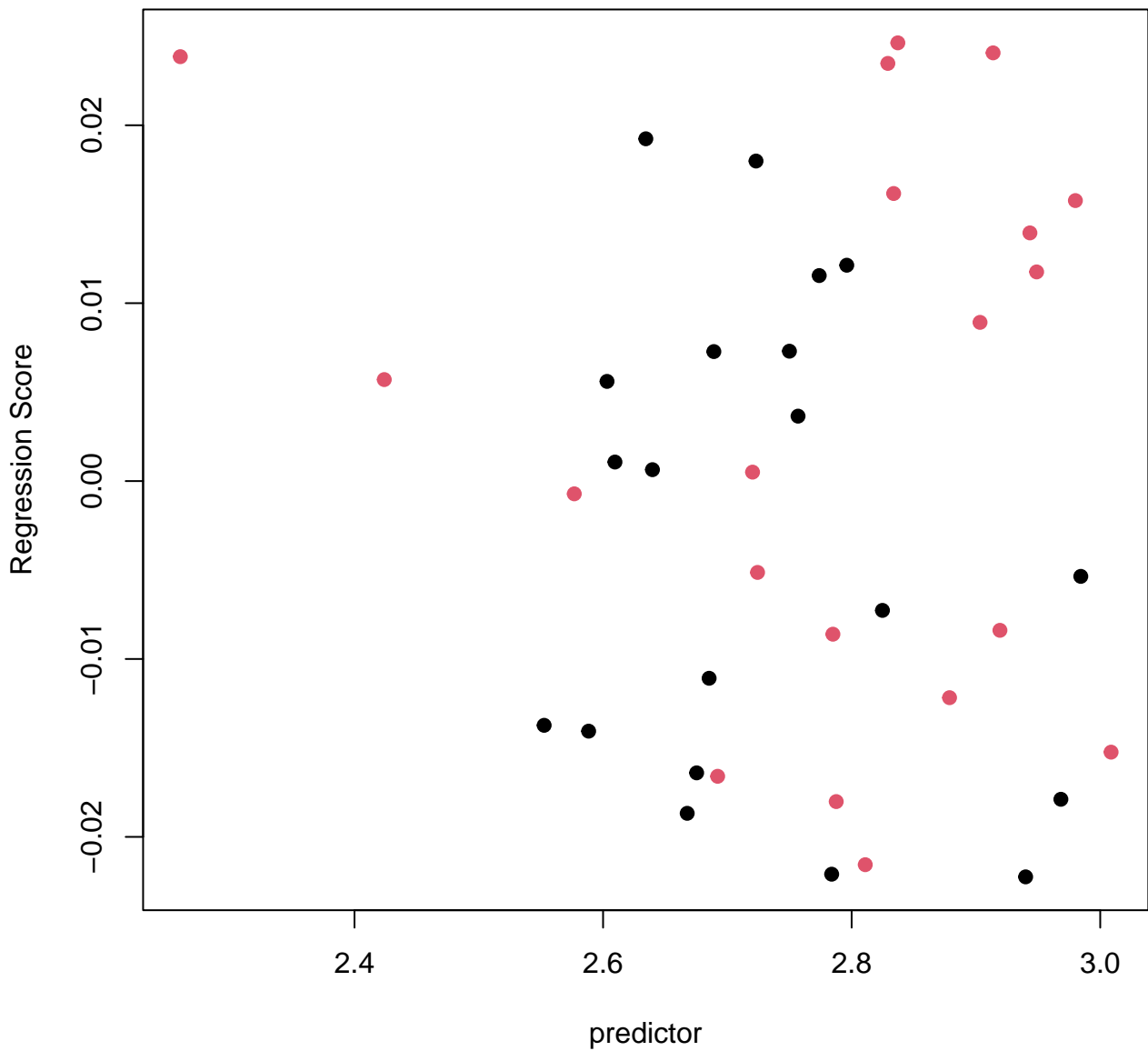


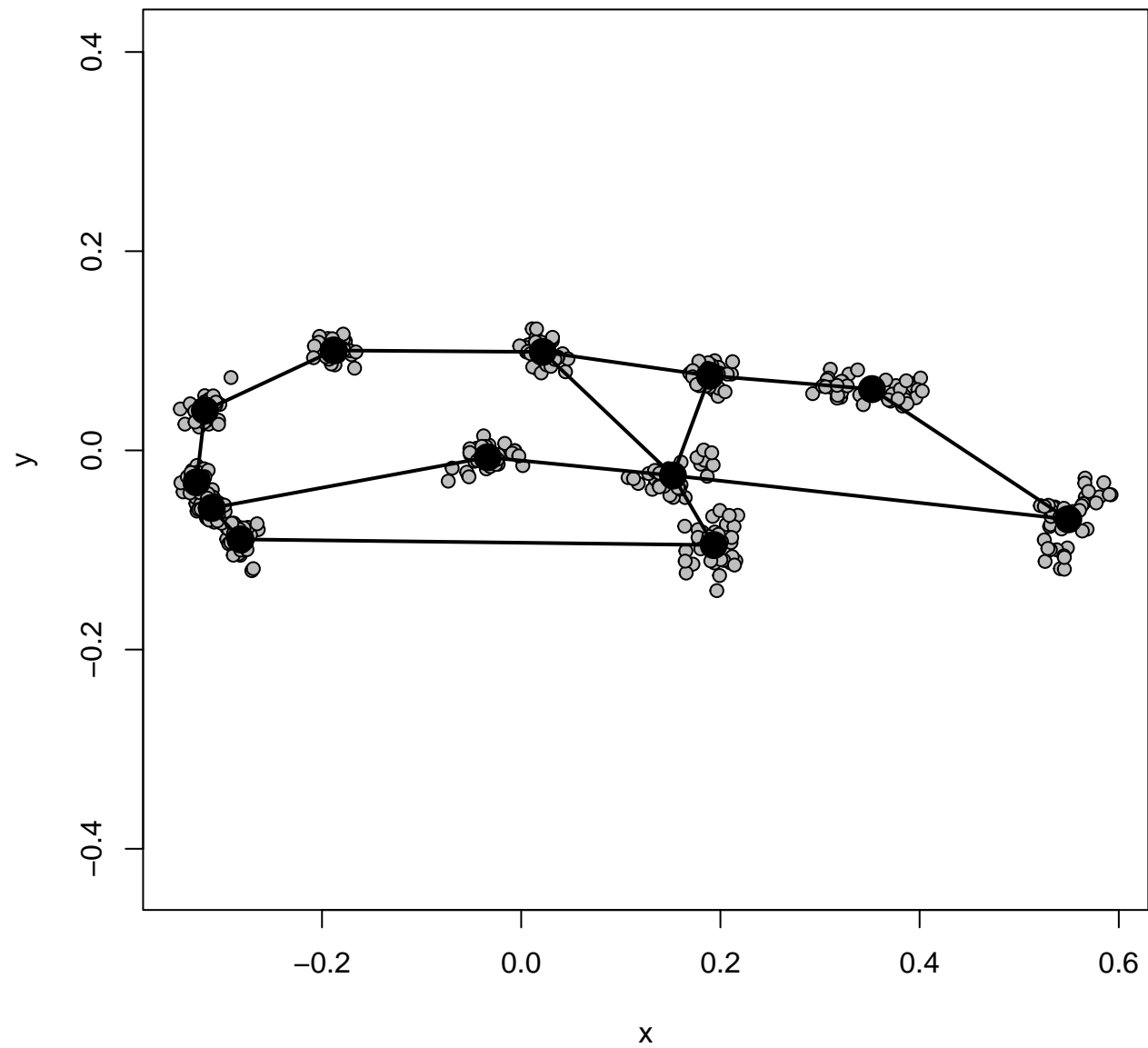




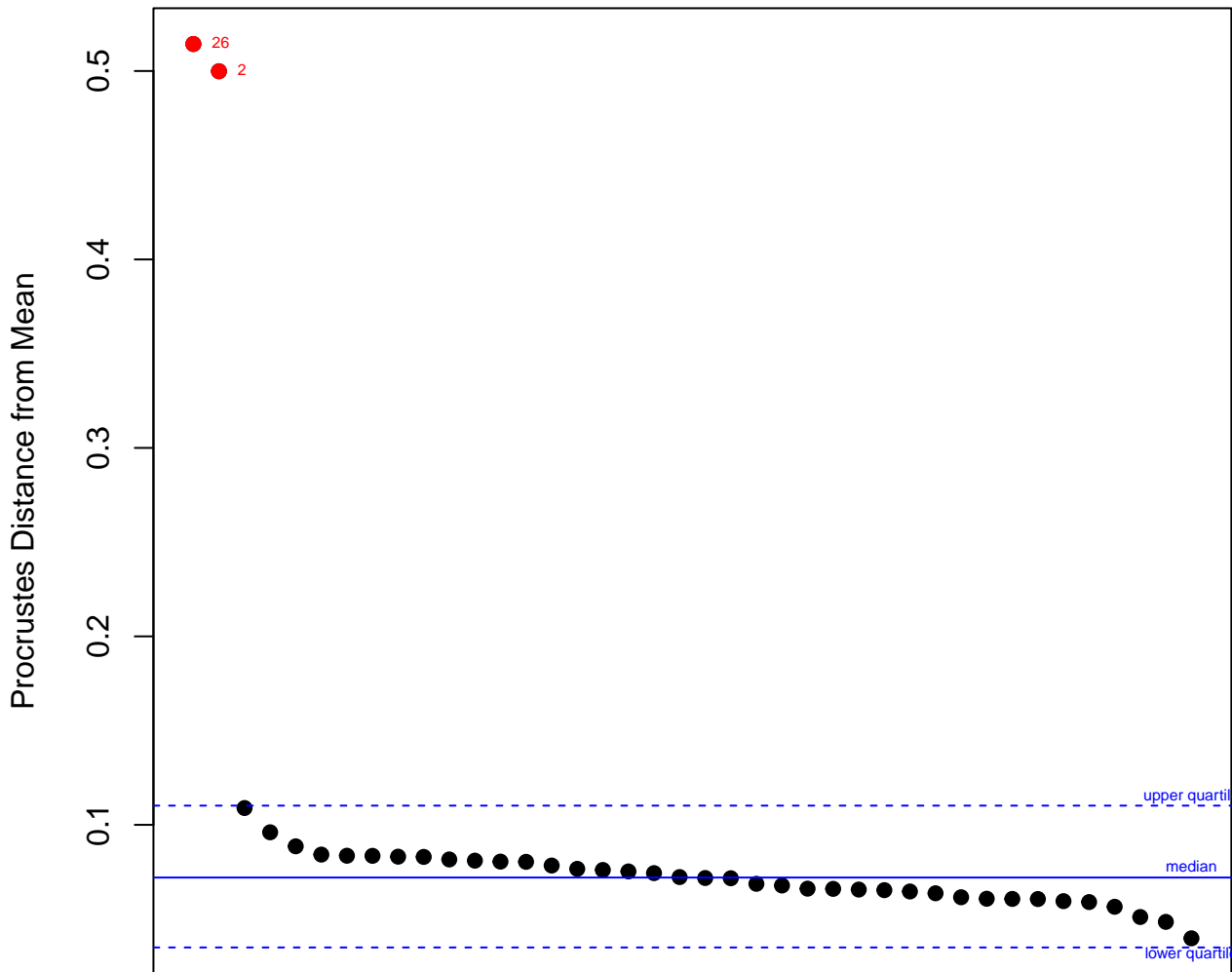
Size-Shape PC plot



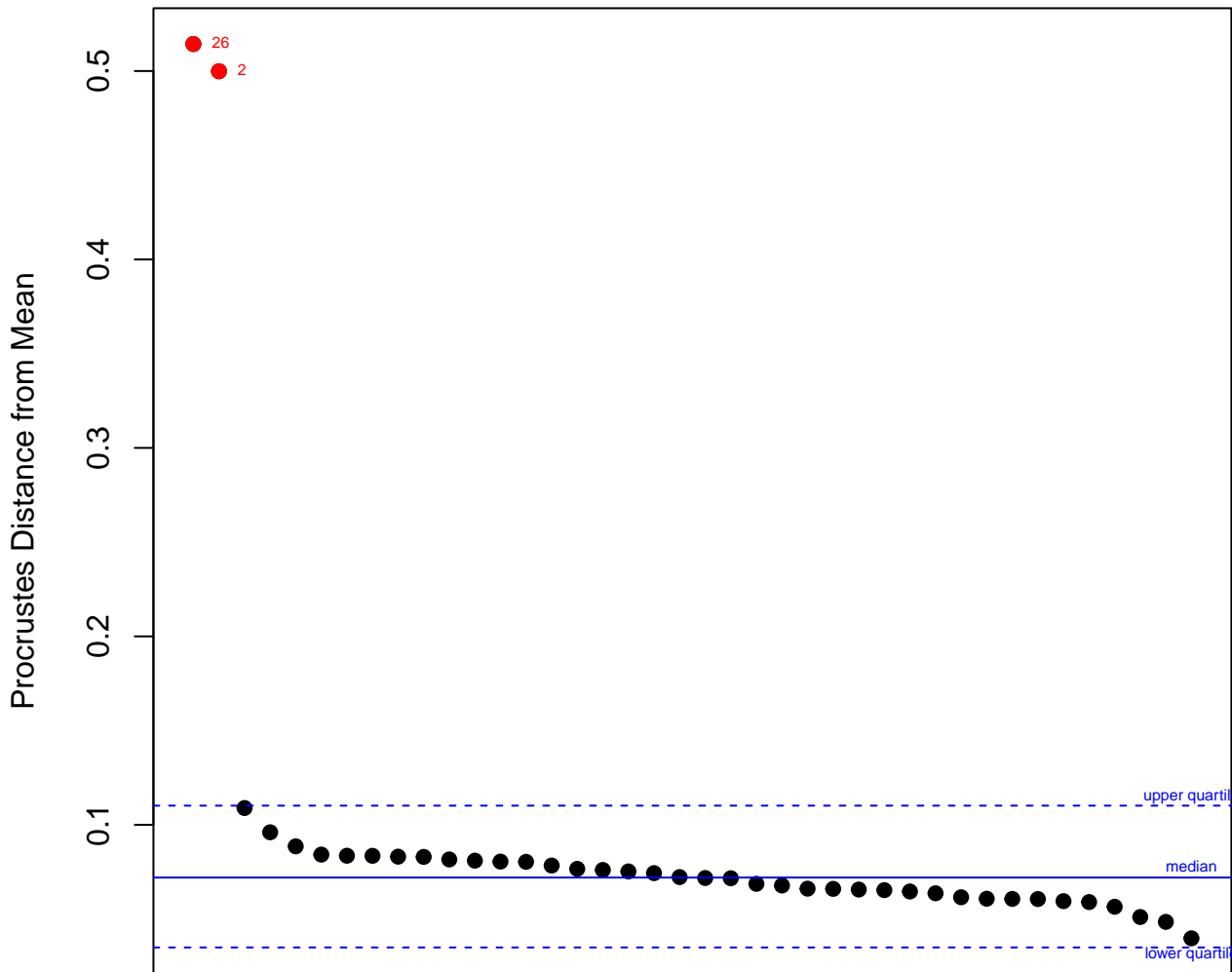




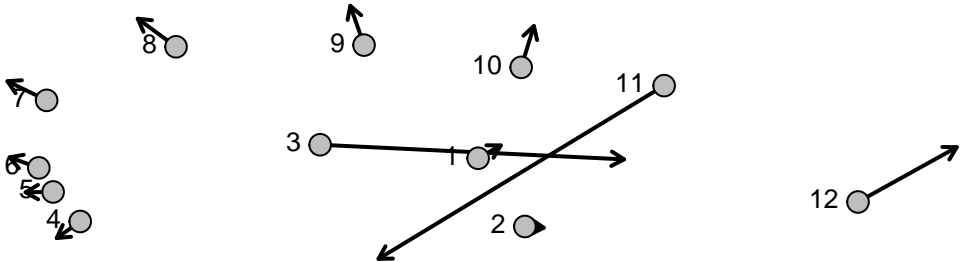
# All Specimens



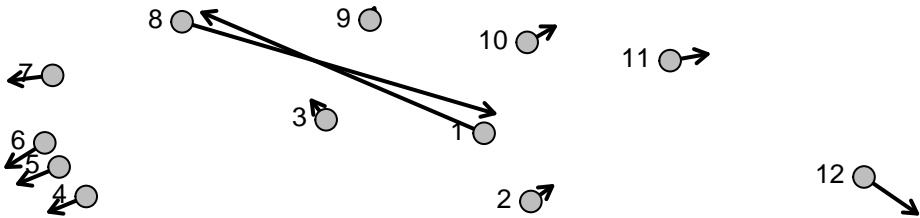
# All Specimens



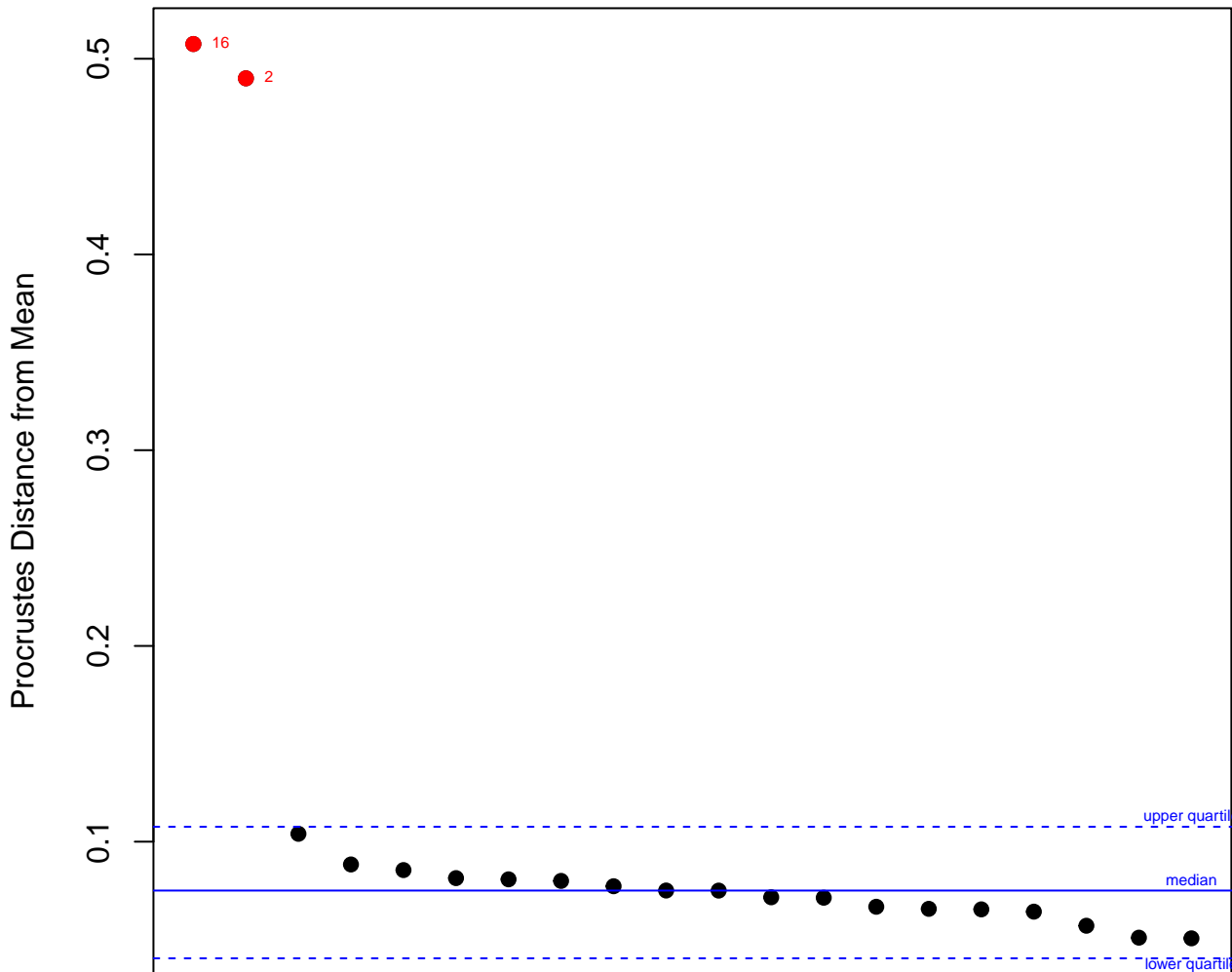
group: All Specimens, specimen: 26



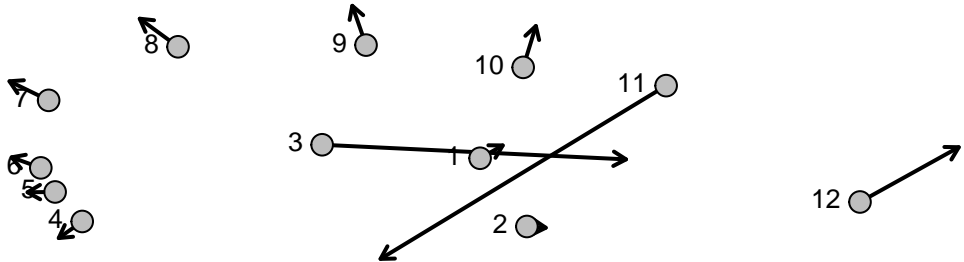
group: All Specimens, specimen: 2



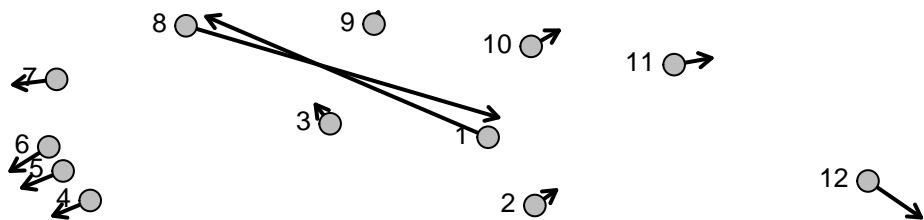
# Jord



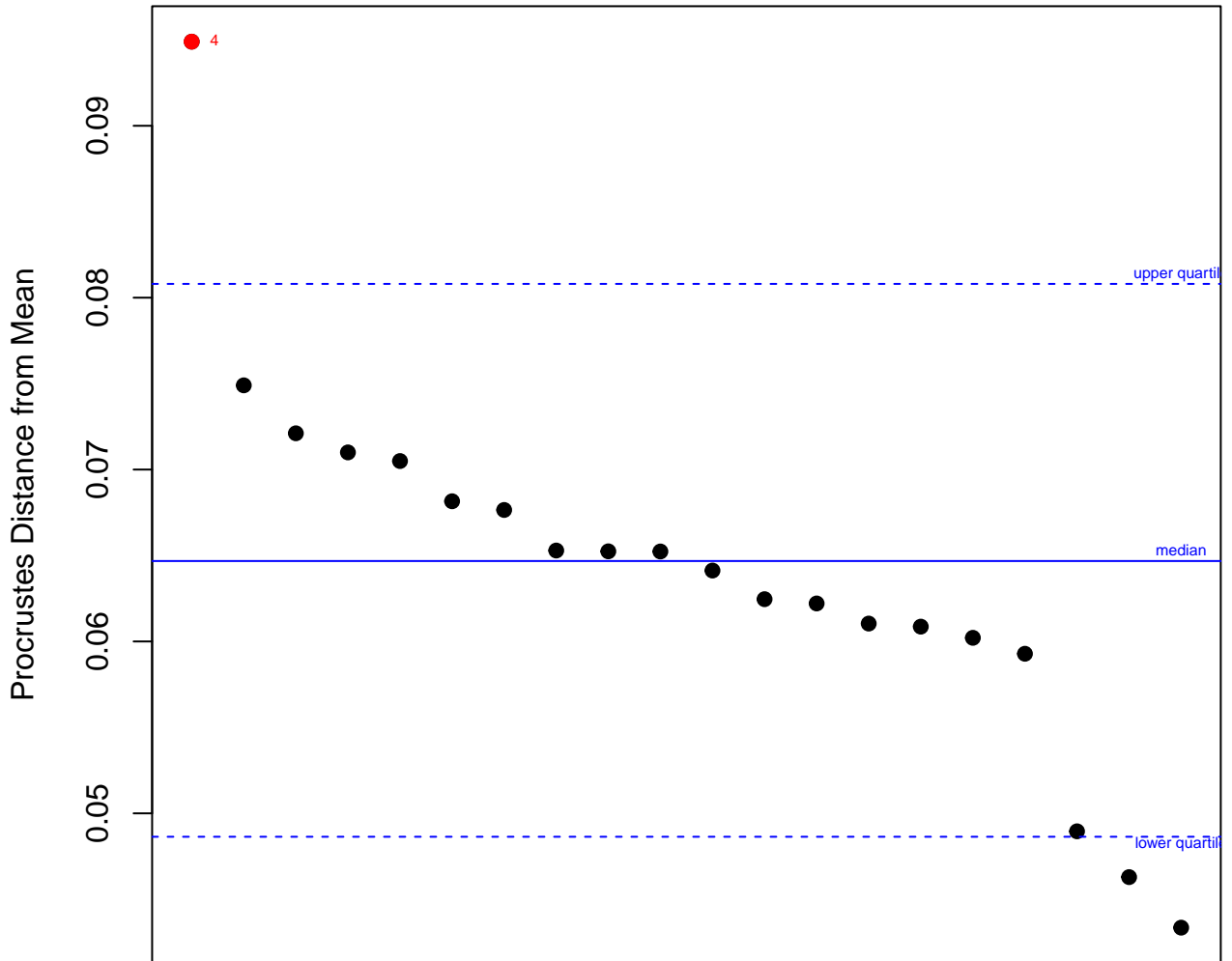
group: Jord, specimen: 16



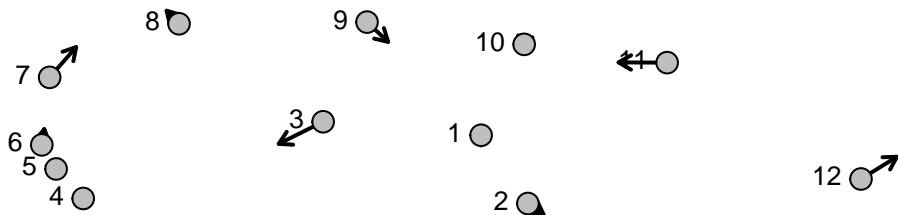
group: Jord, specimen: 2

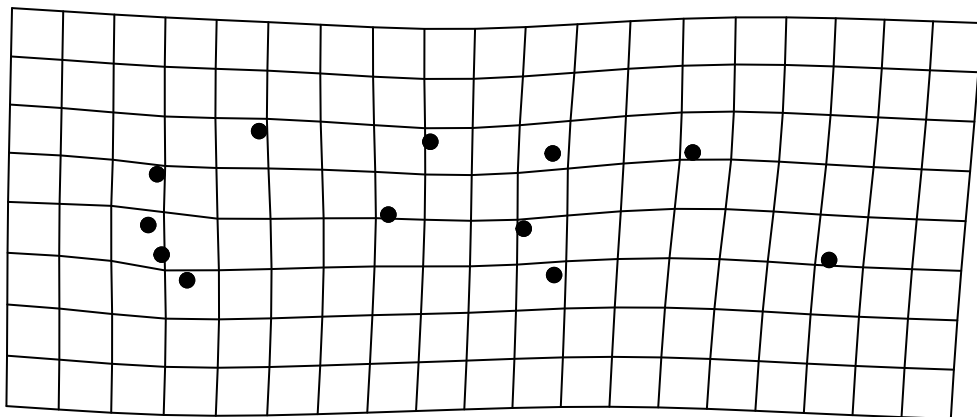


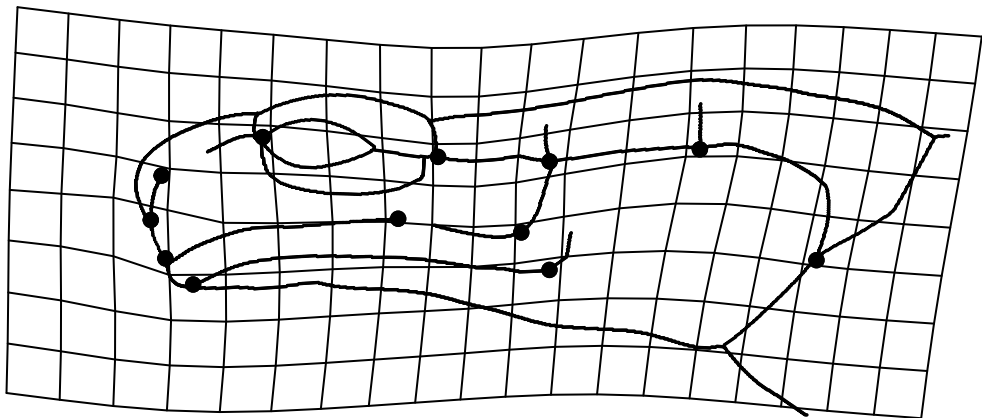
# Teyah

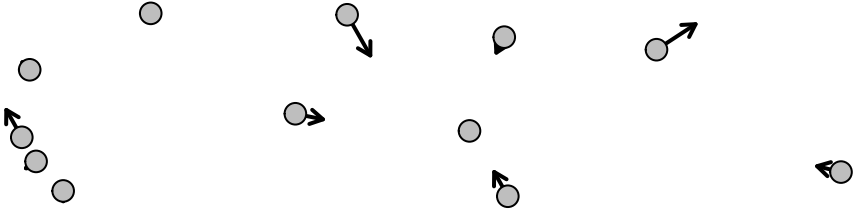


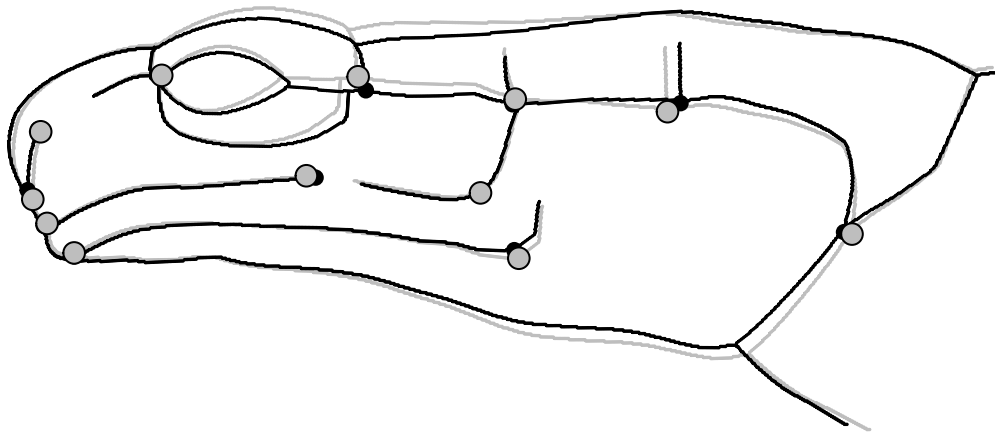
group: Teyah, specimen: 4

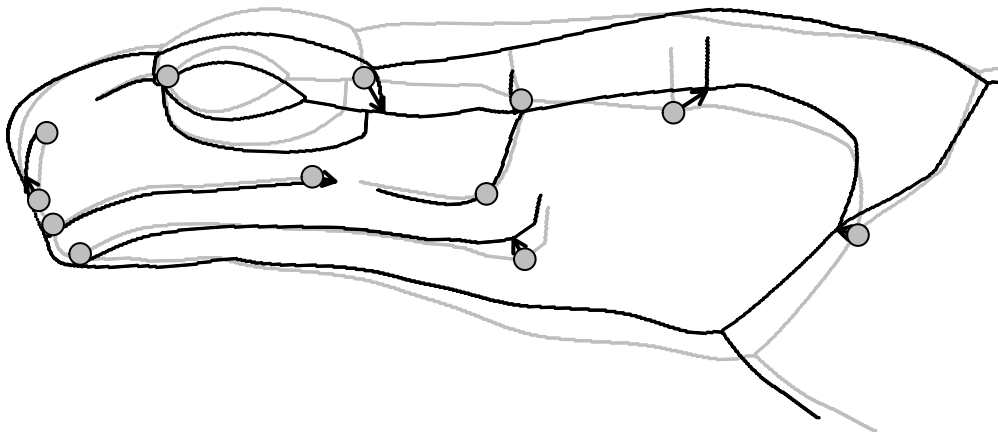


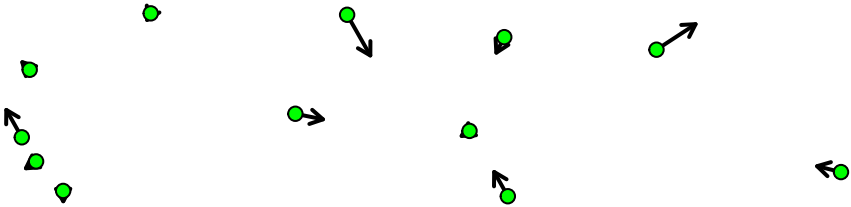




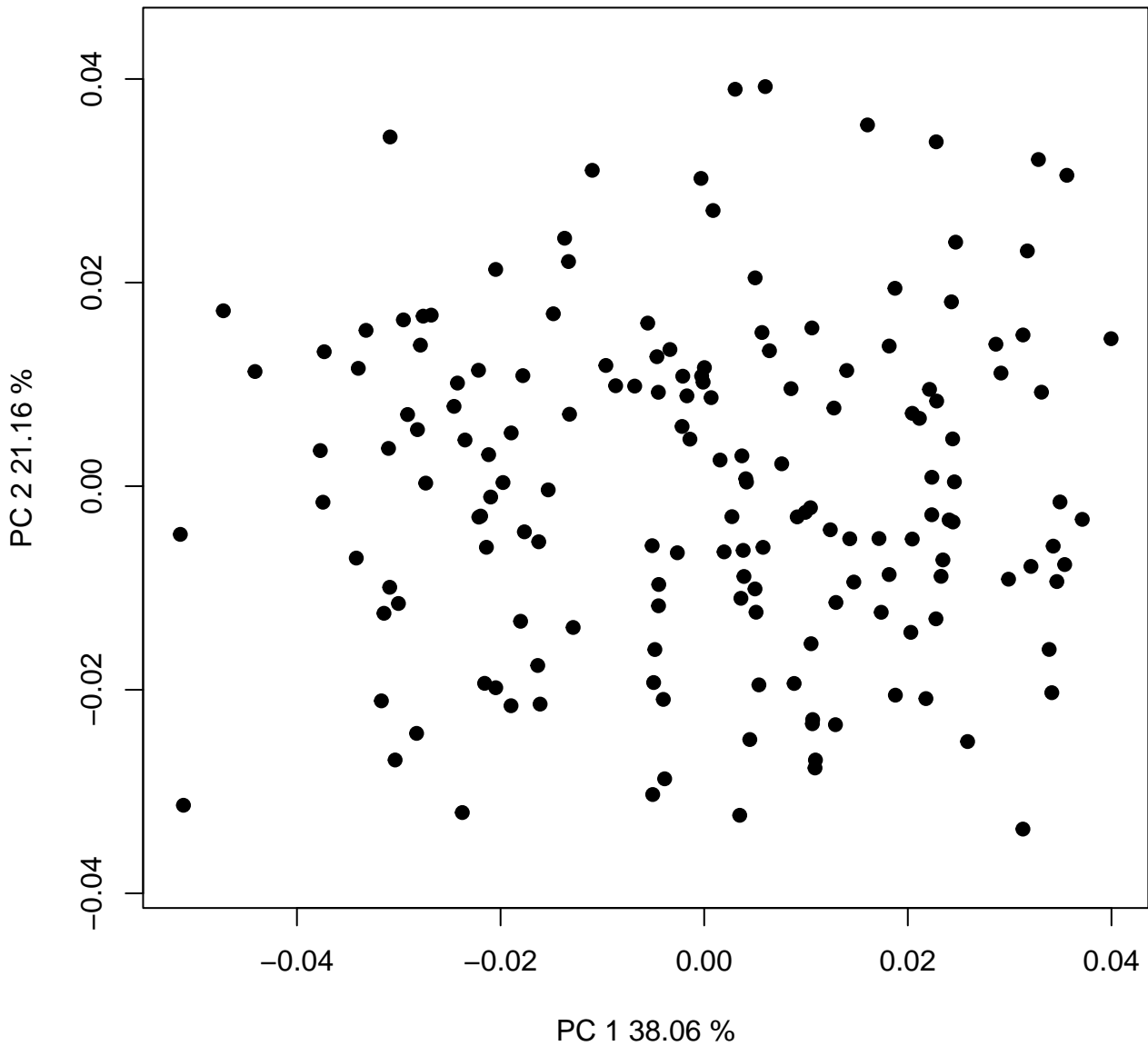




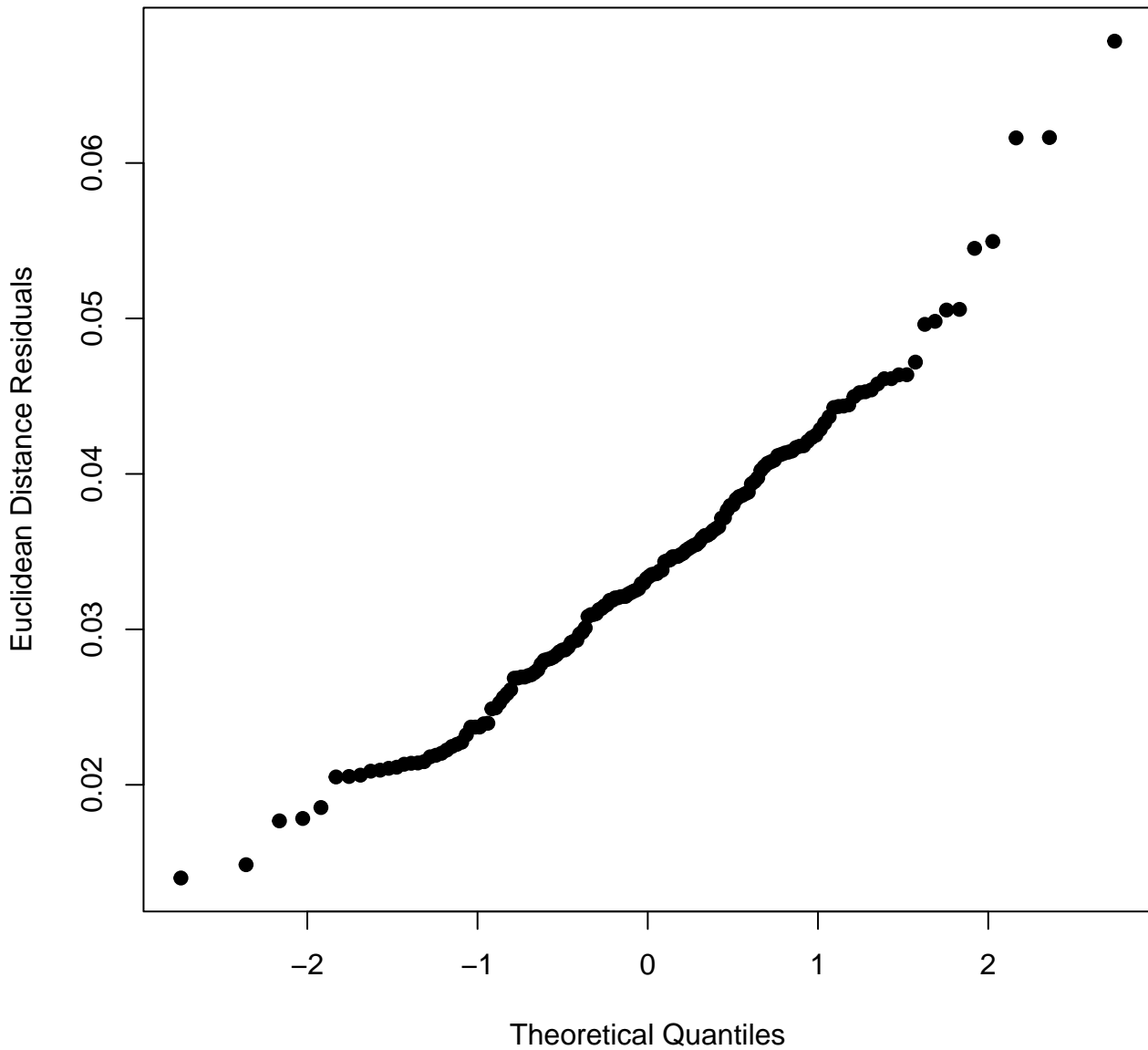




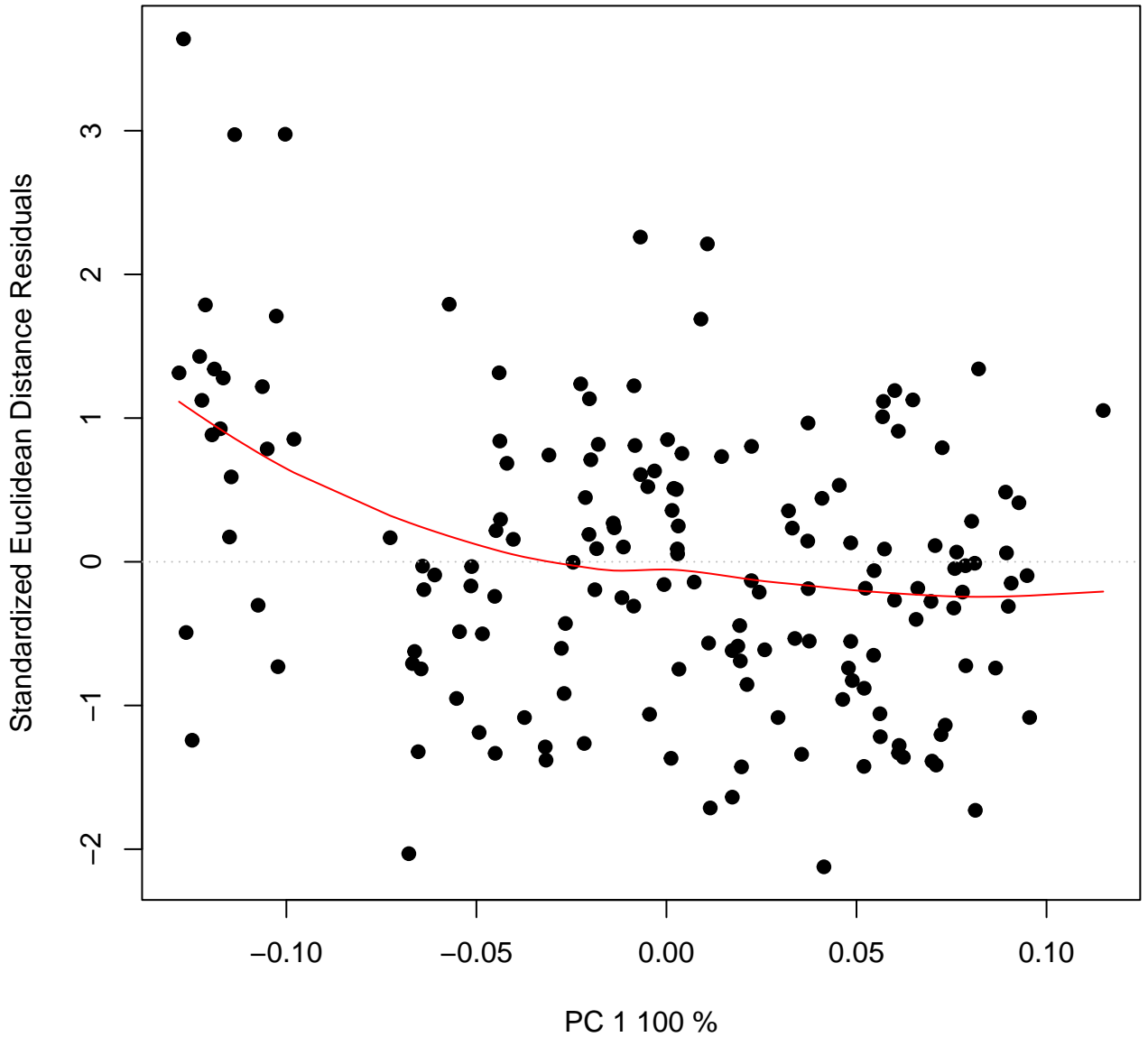
# PCA Residuals



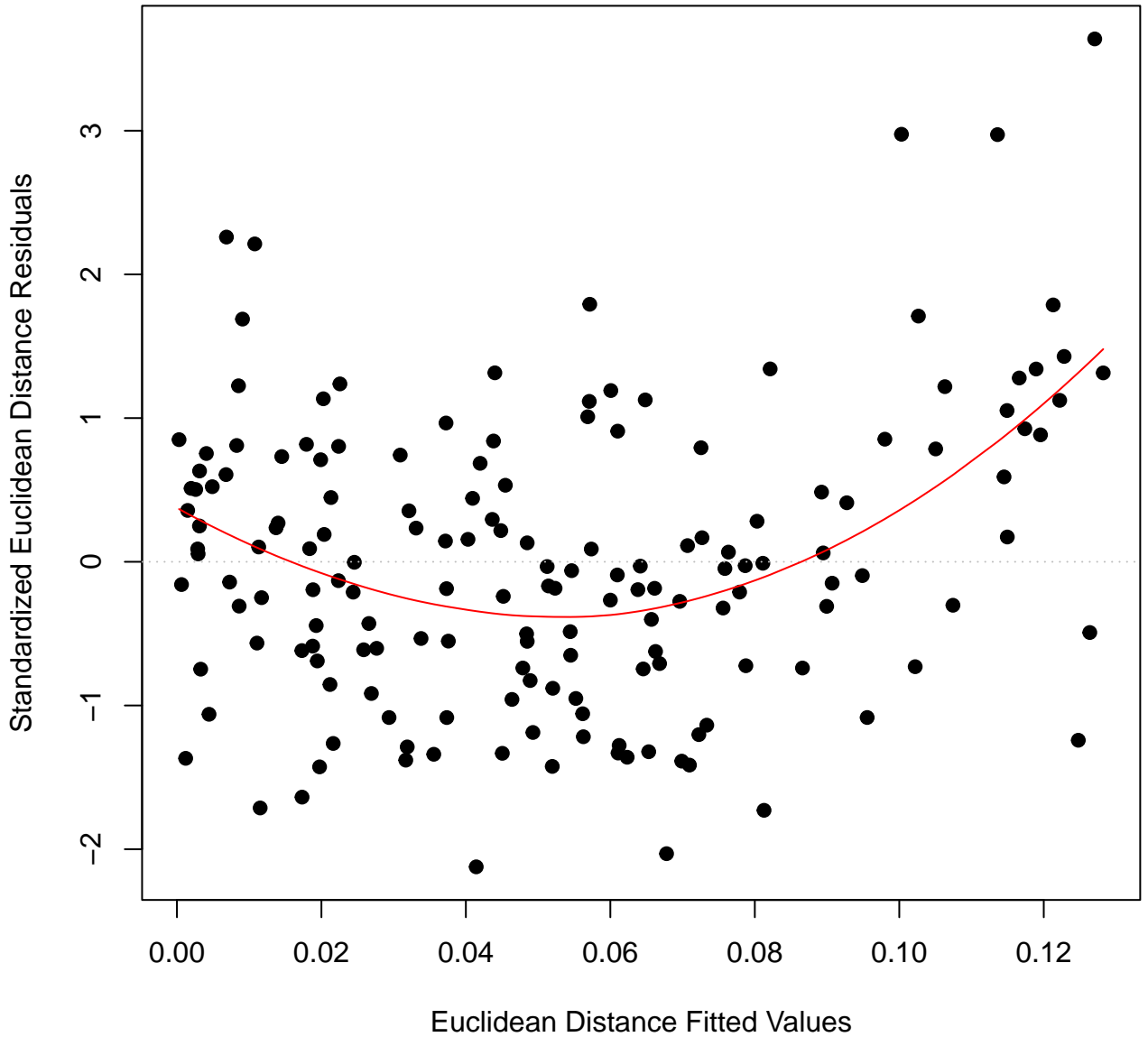
Q-Q plot



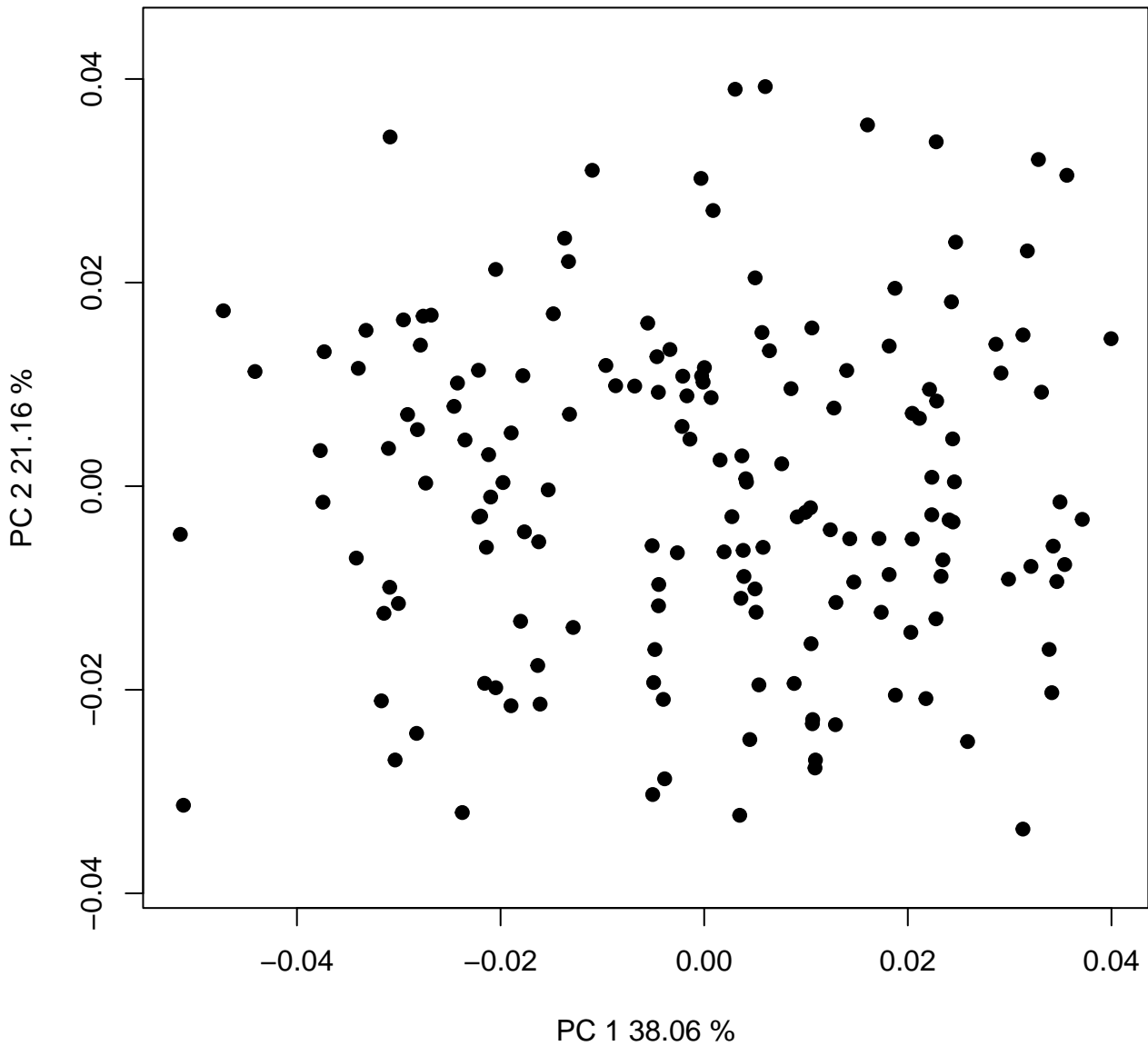
Residuals vs. PC 1 fitted



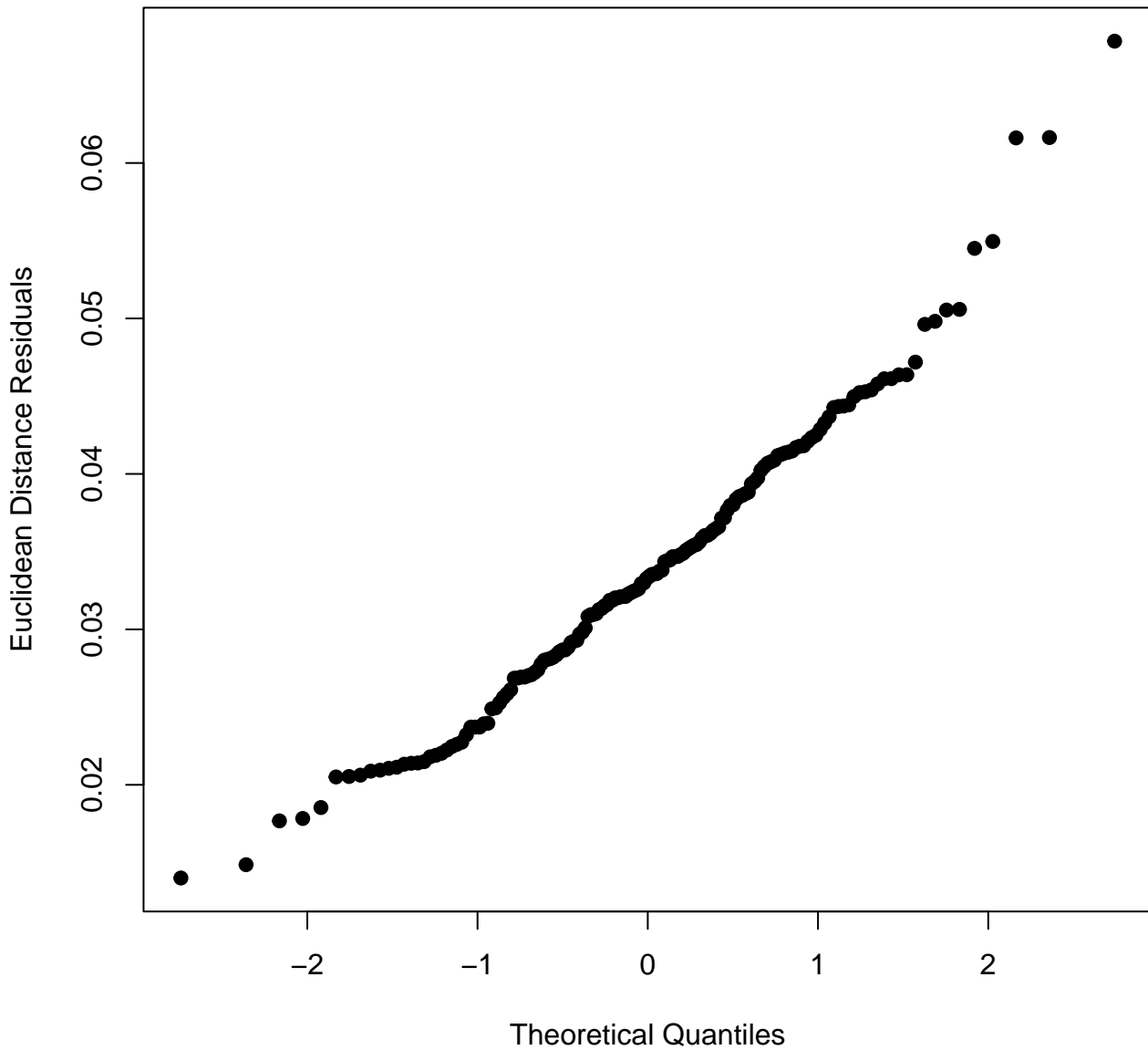
# Residuals vs. Fitted



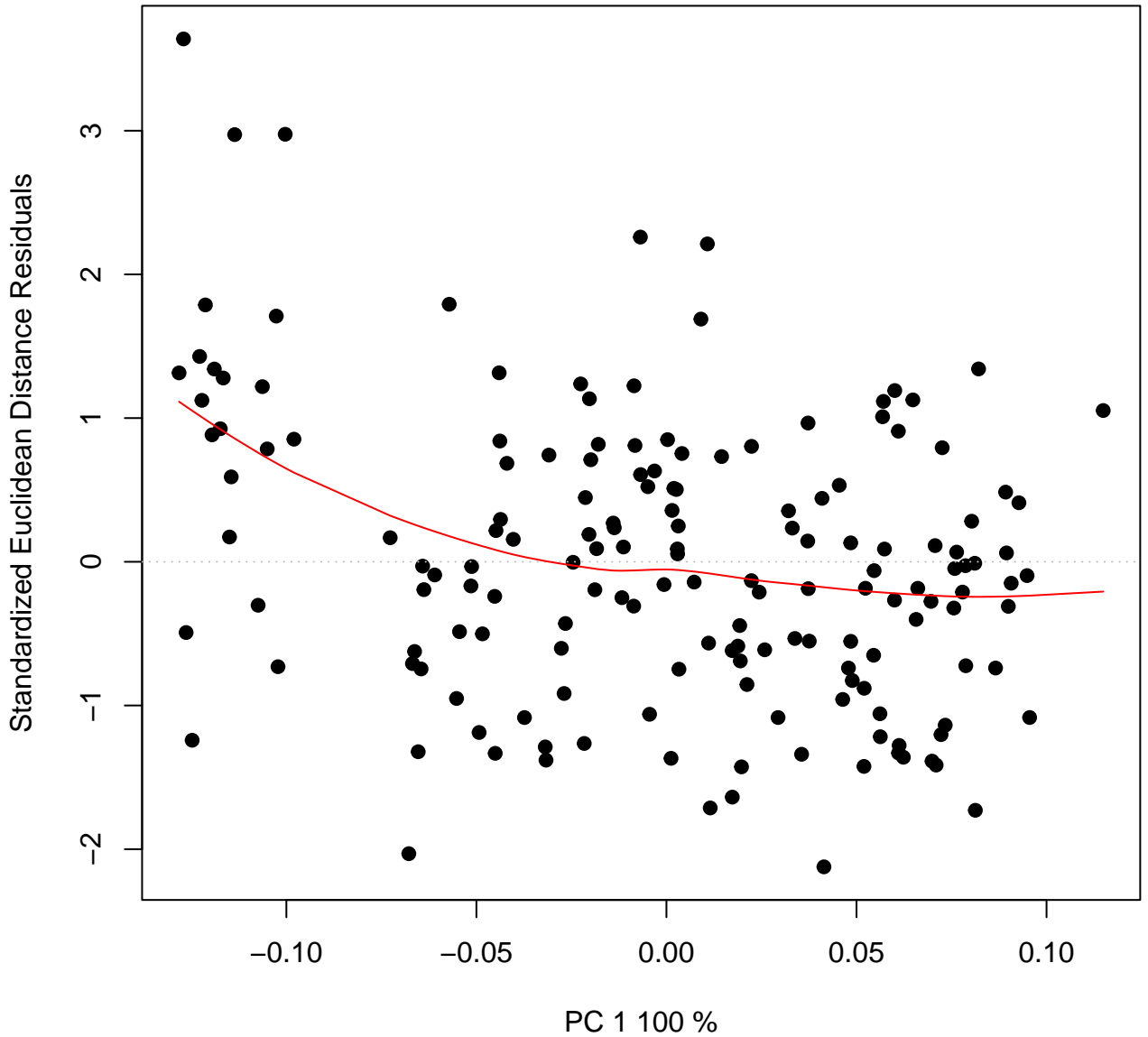
# PCA Residuals



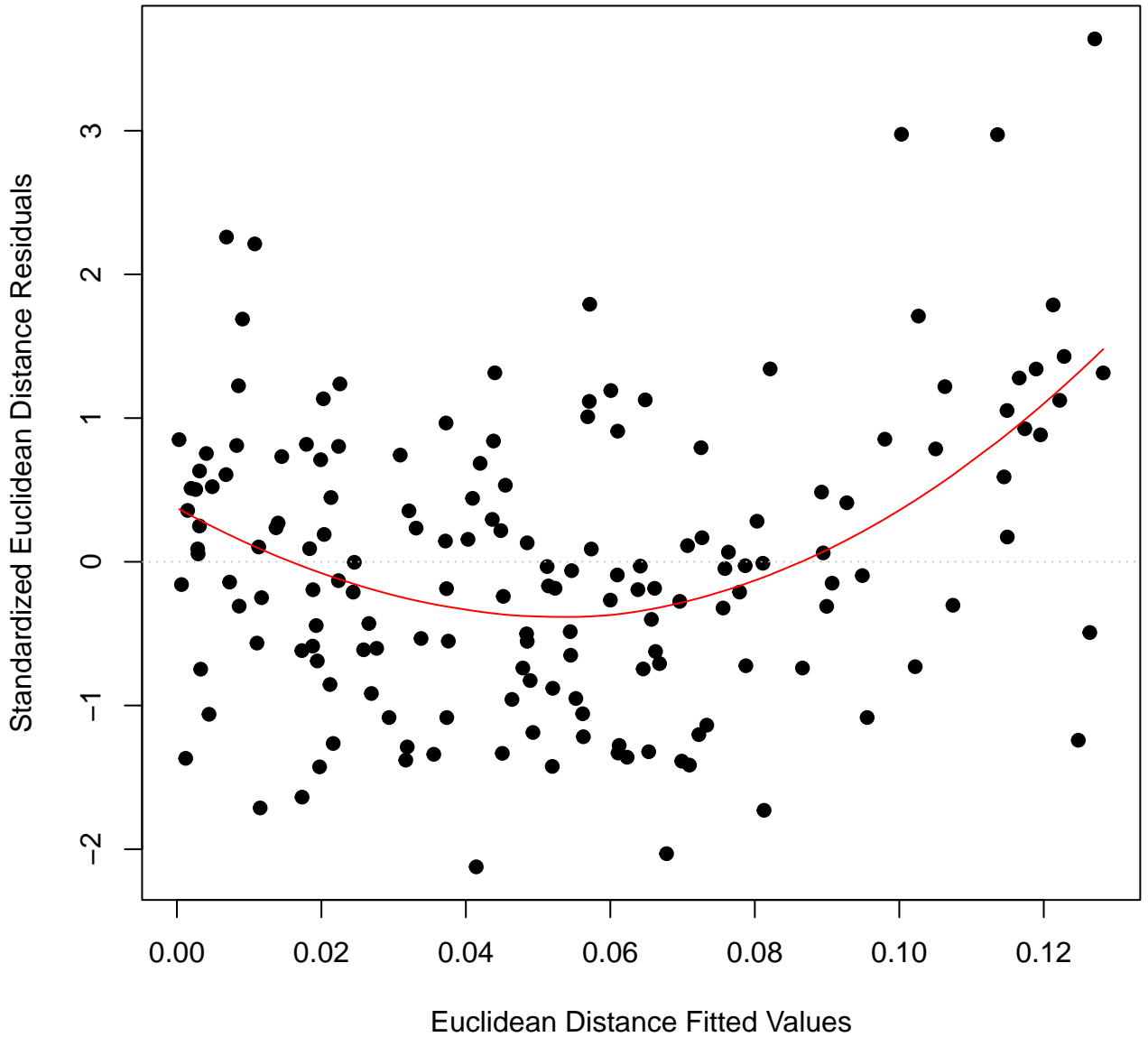
Q-Q plot



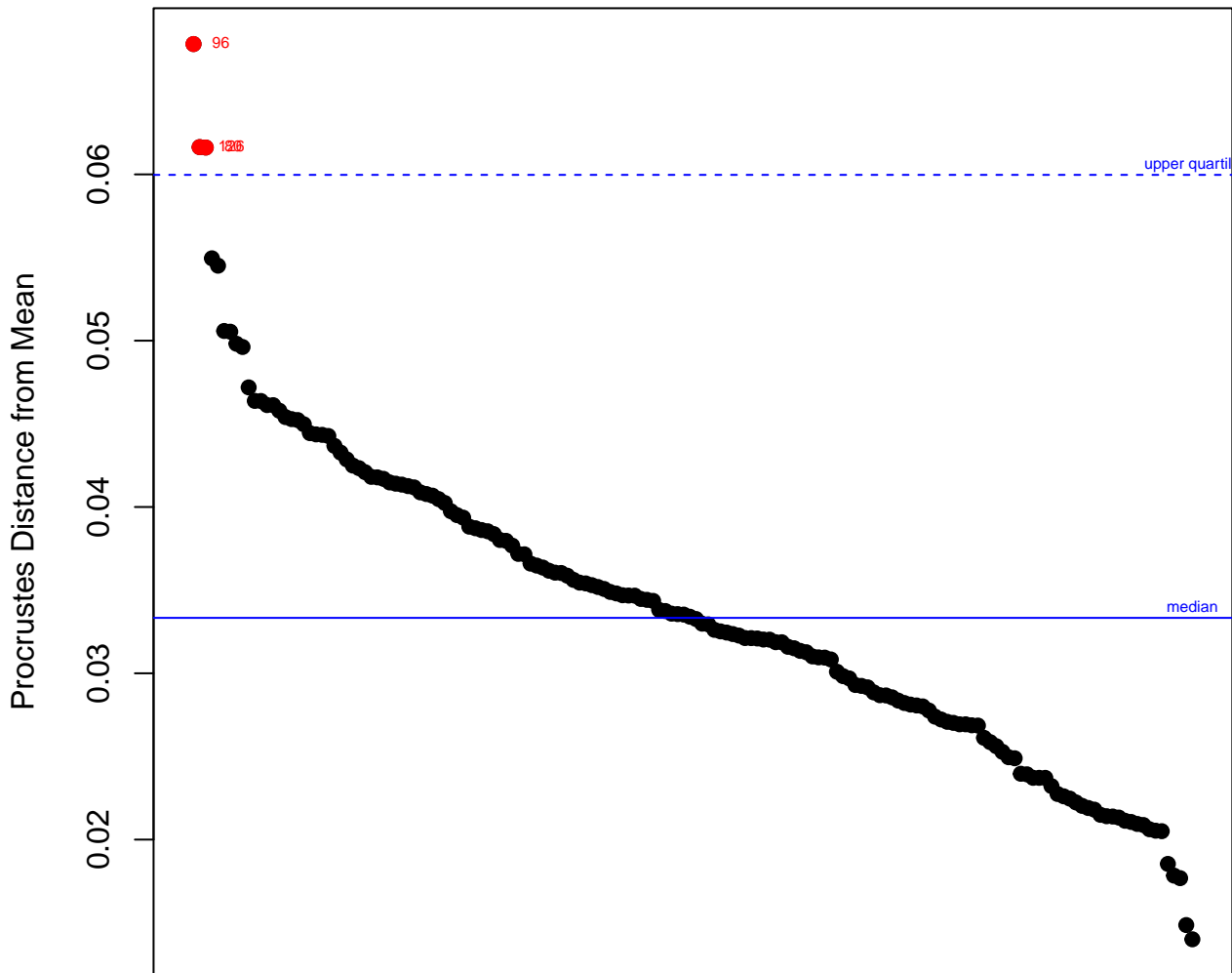
Residuals vs. PC 1 fitted

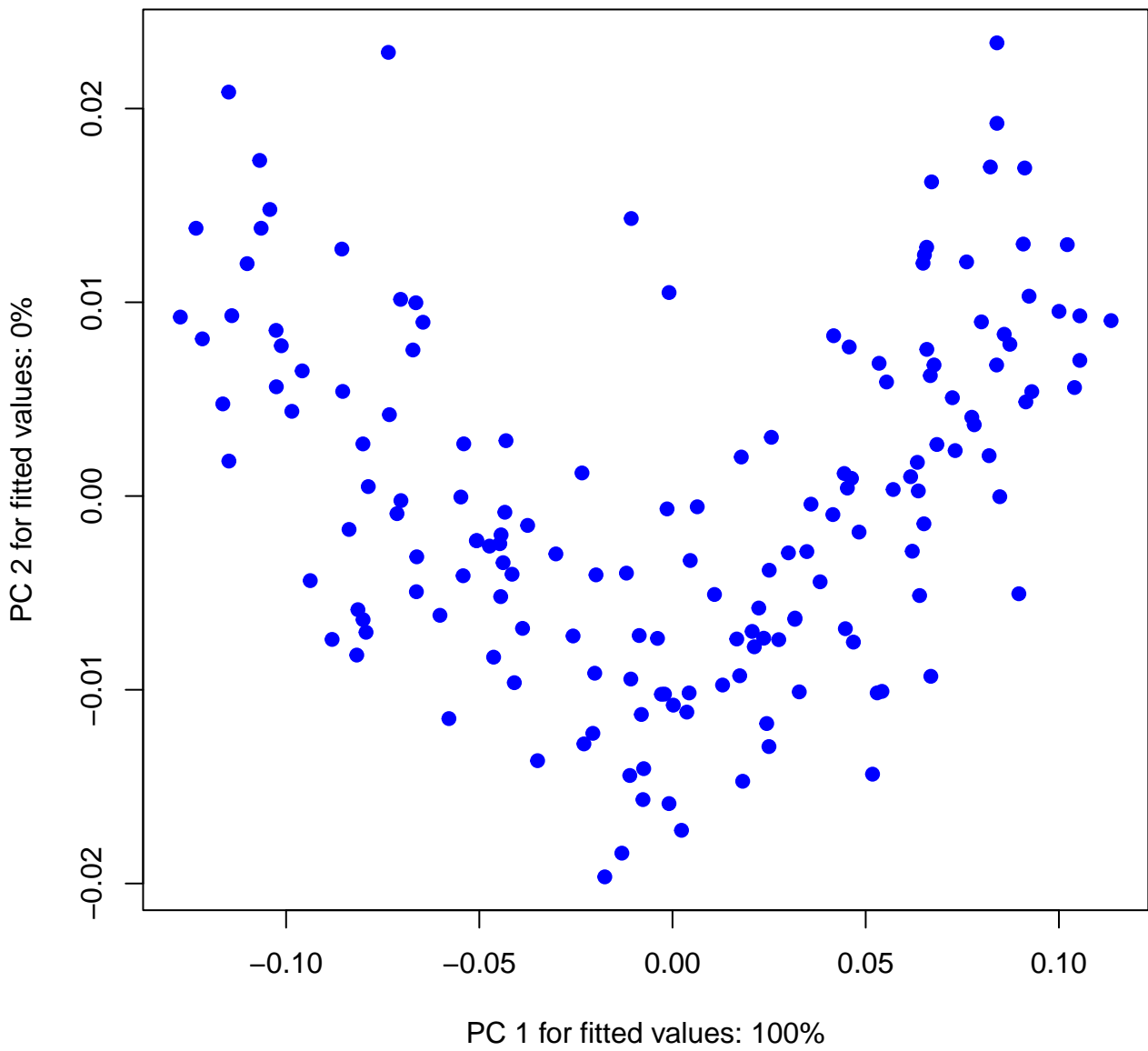


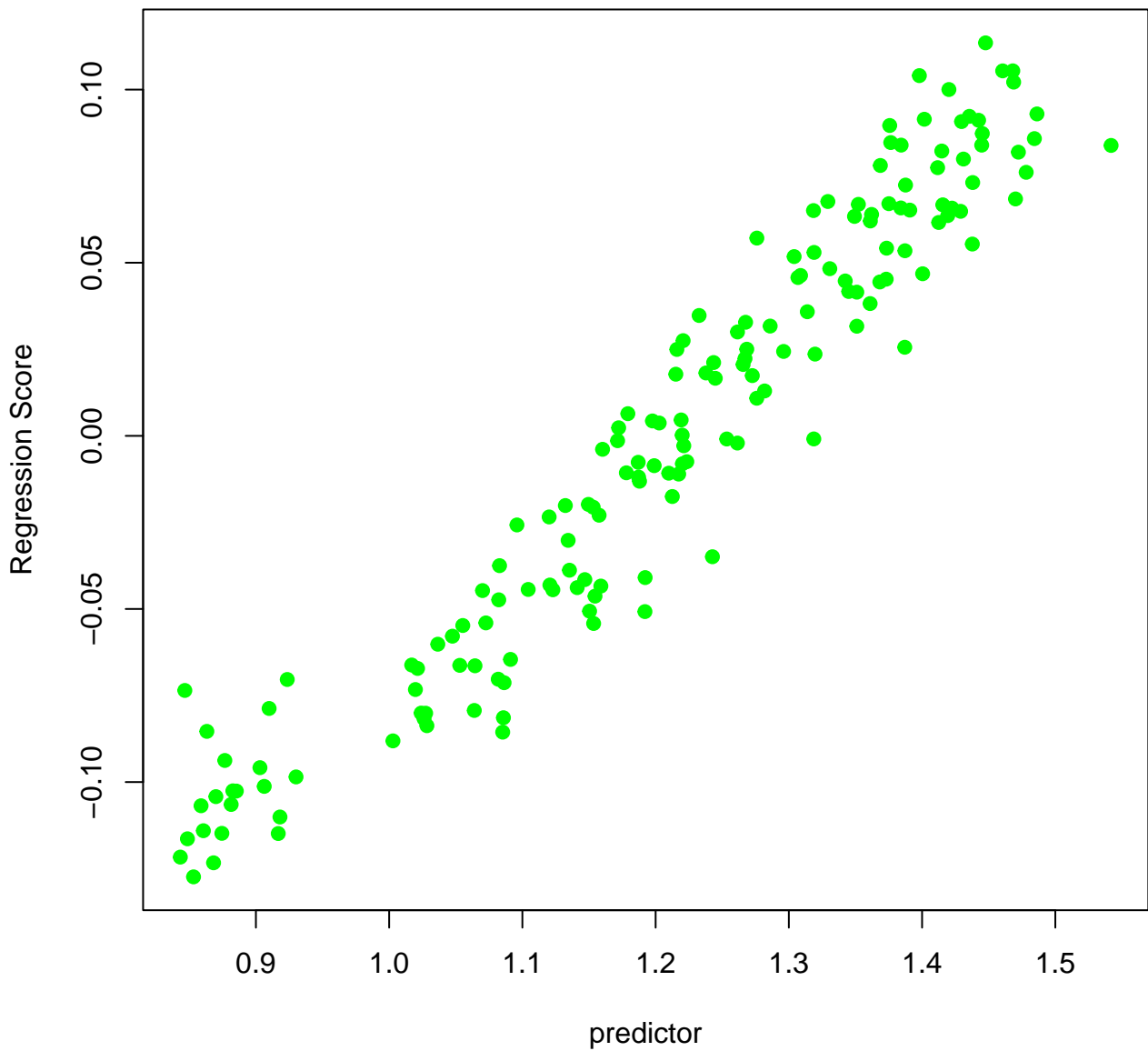
# Residuals vs. Fitted

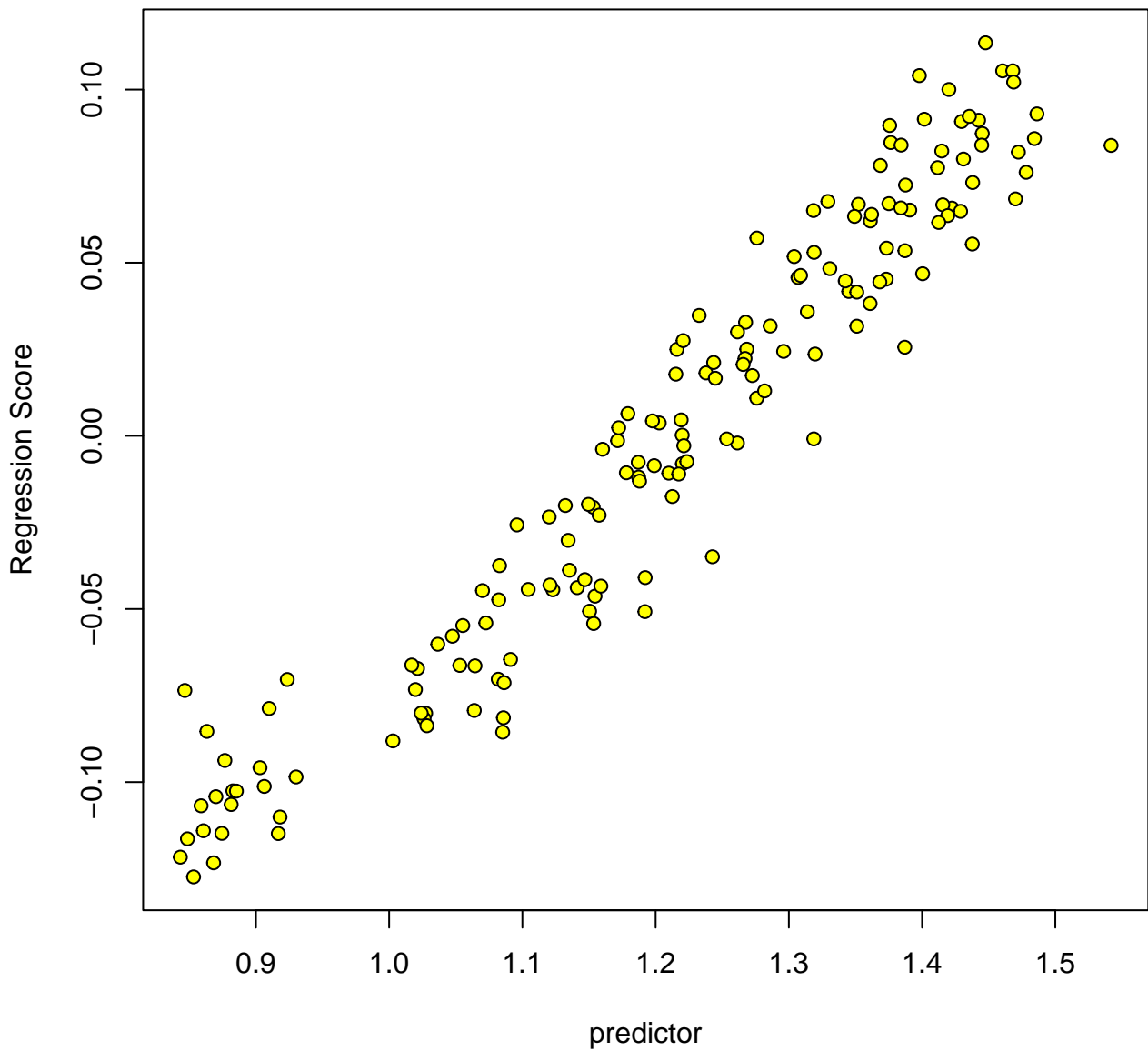


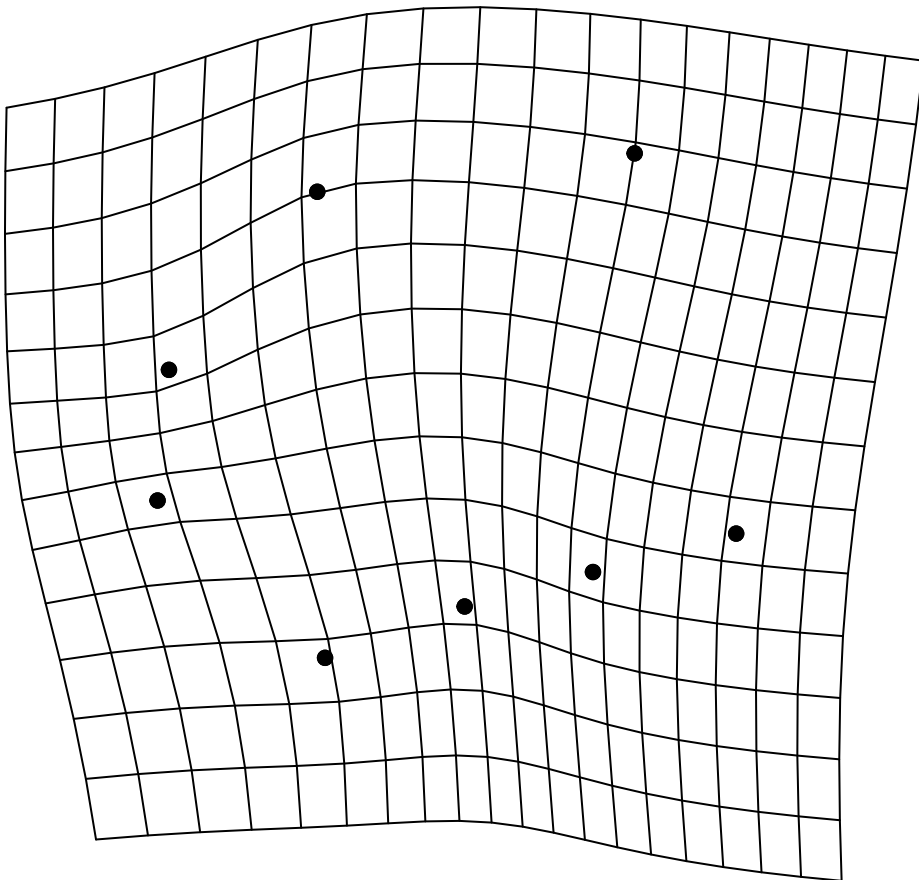
# All Specimens

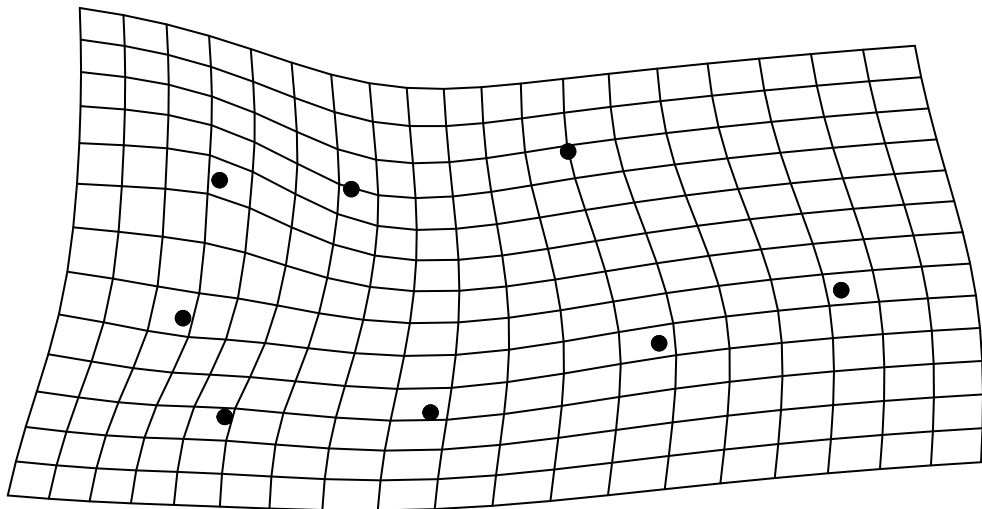


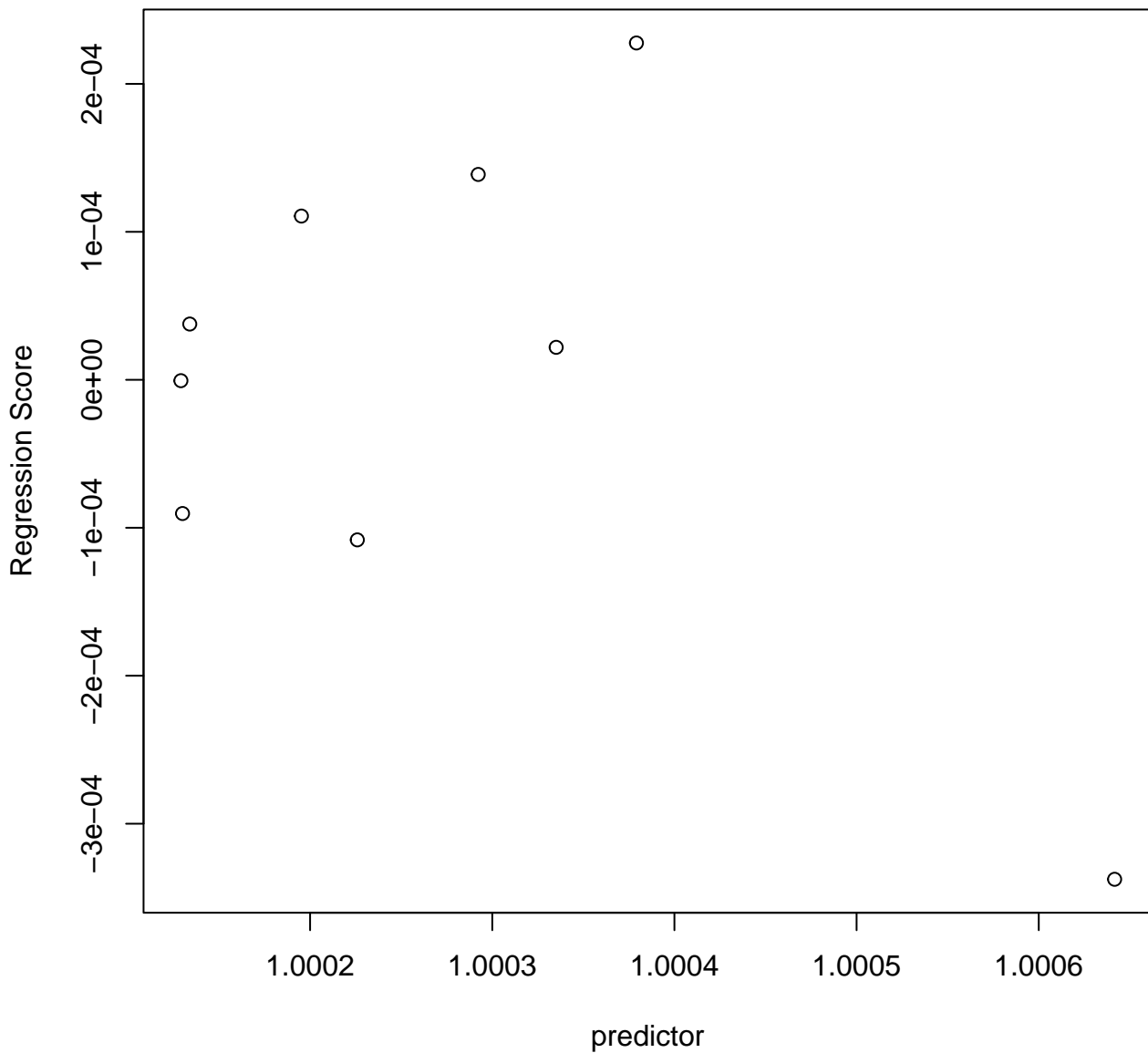


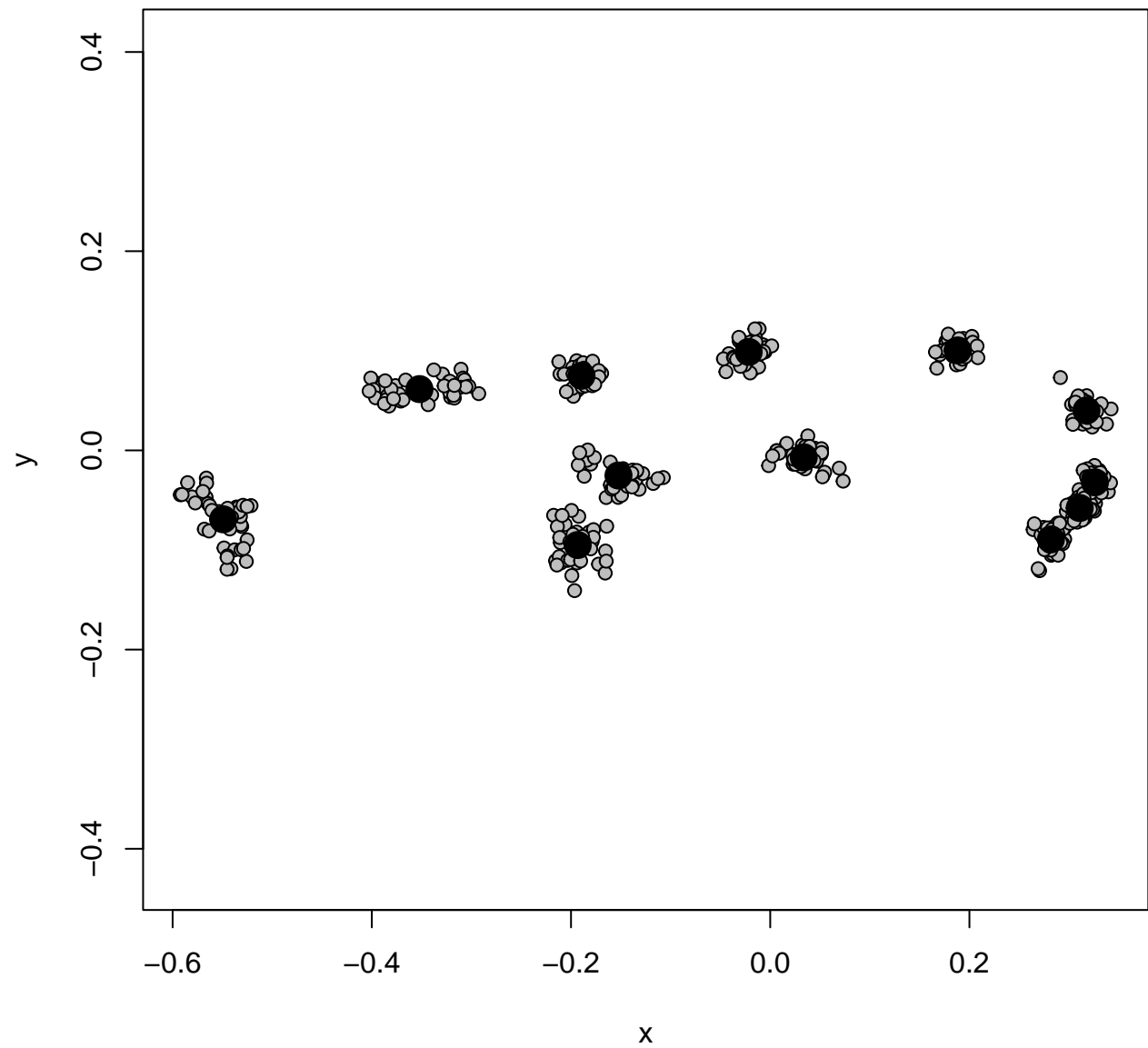


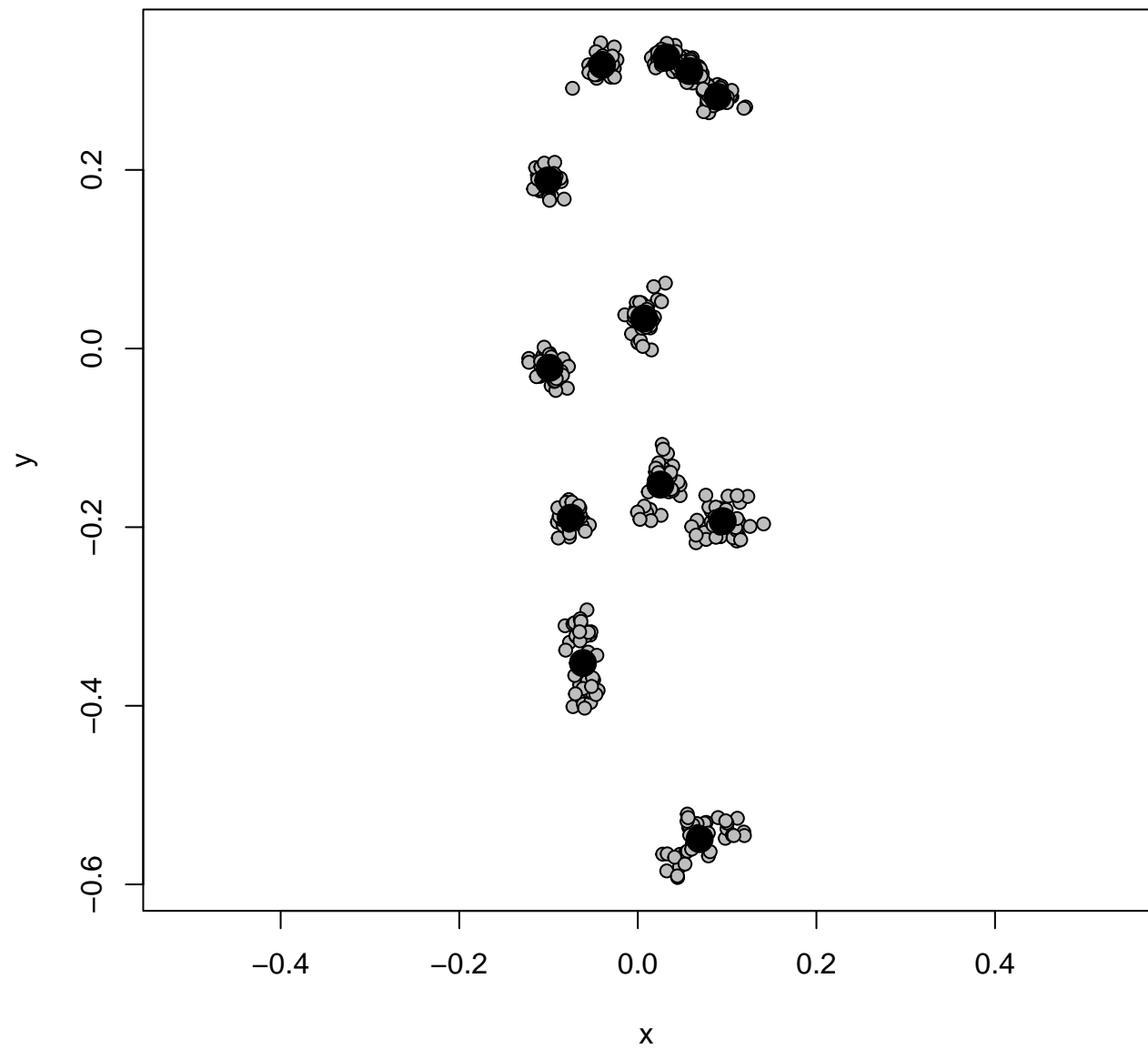


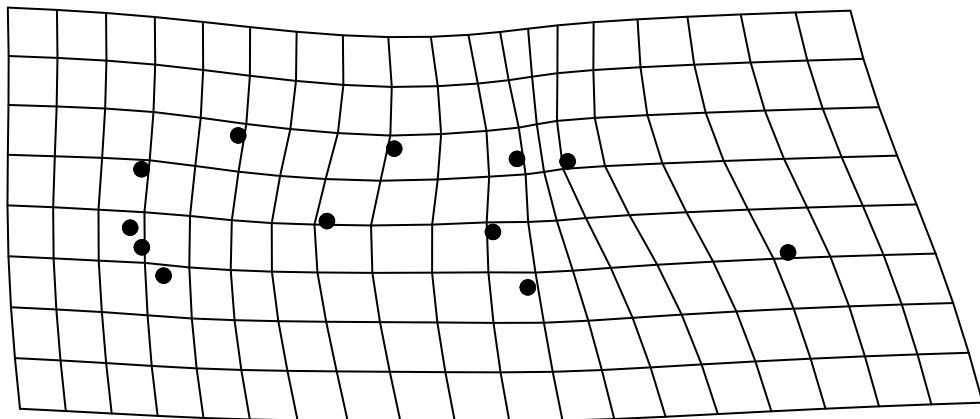


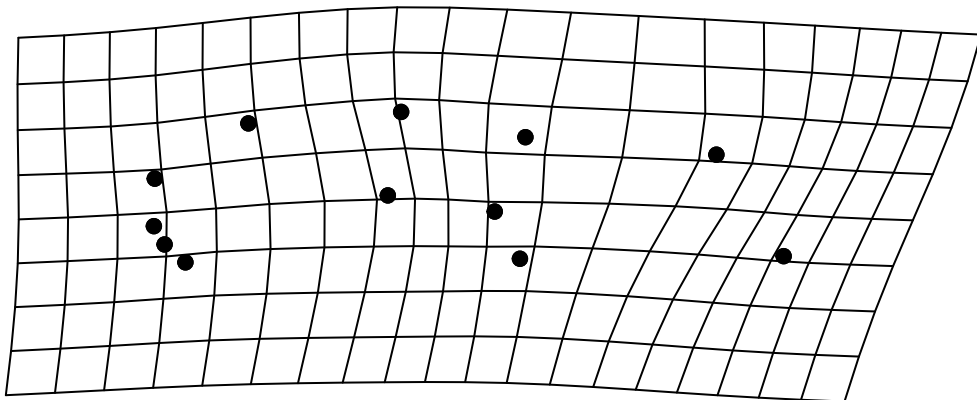


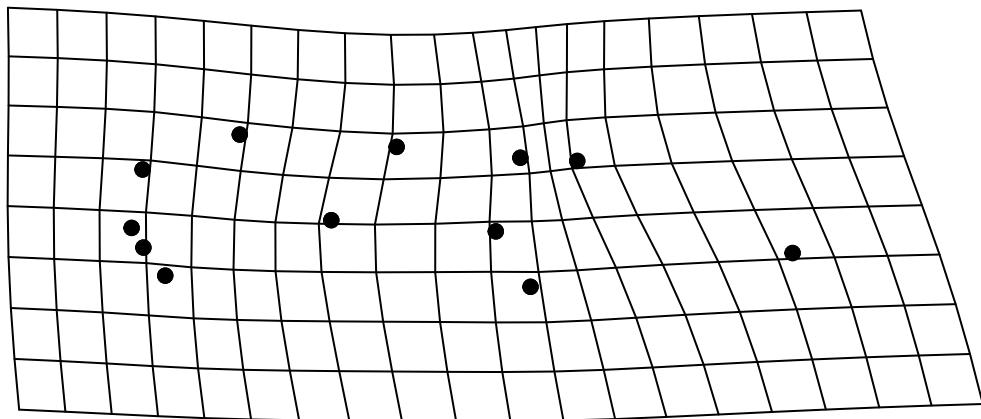


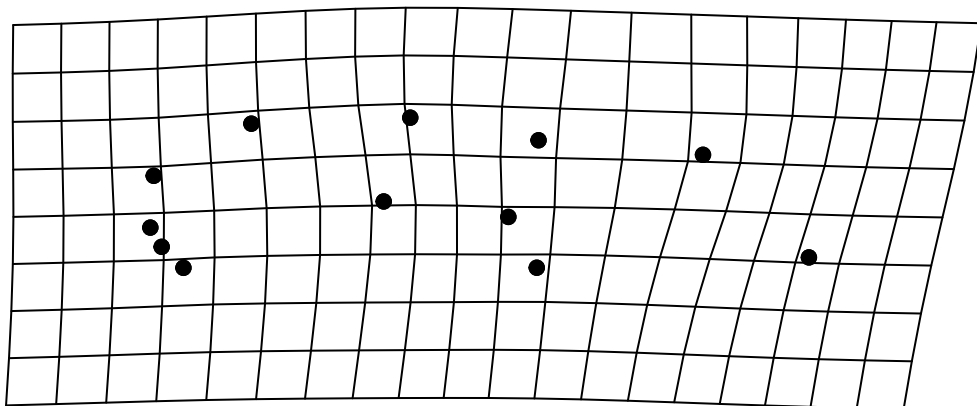


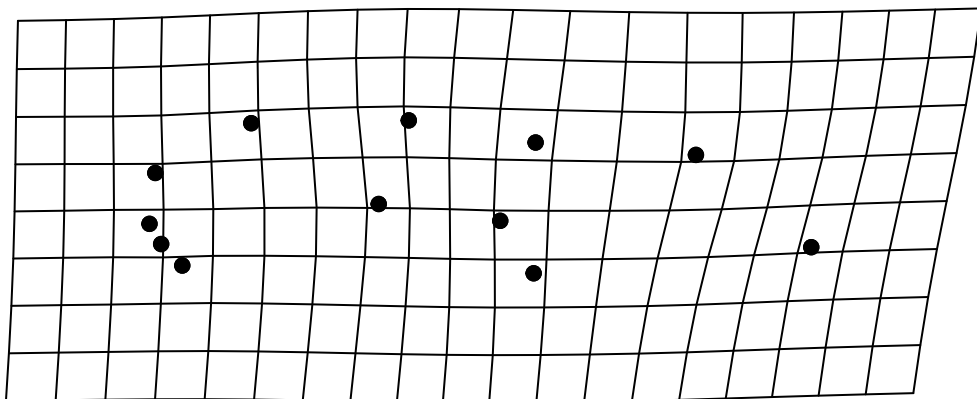


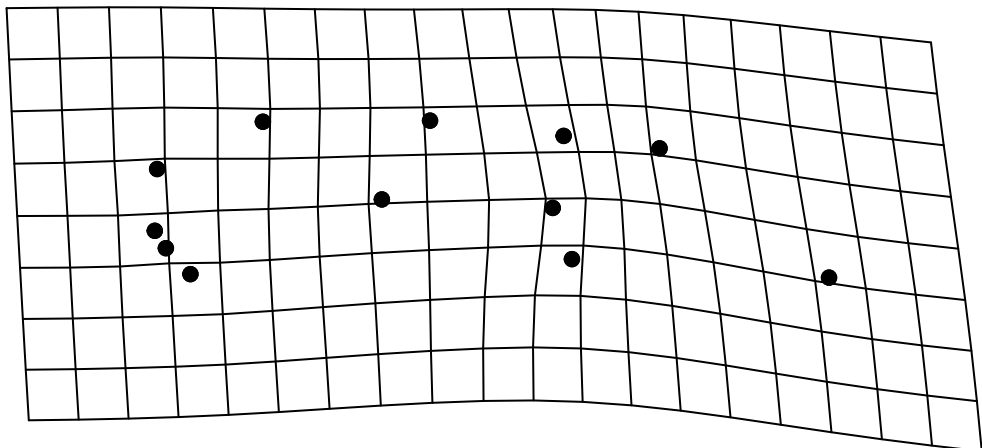


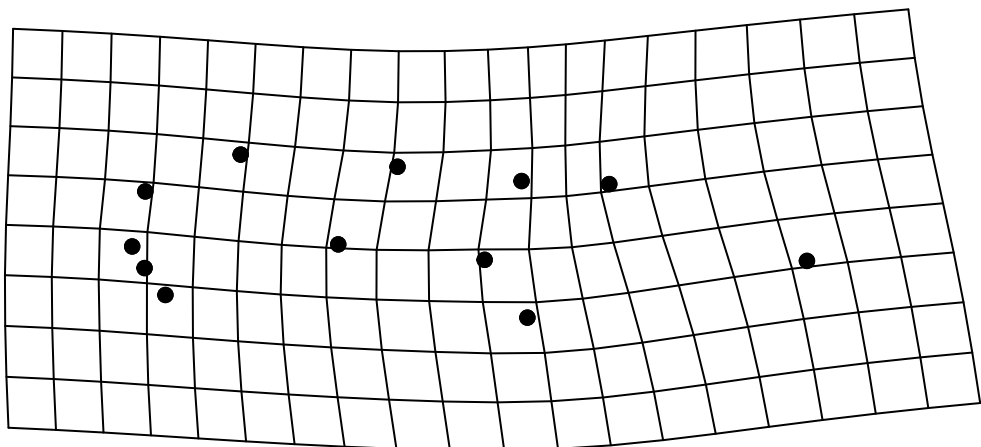


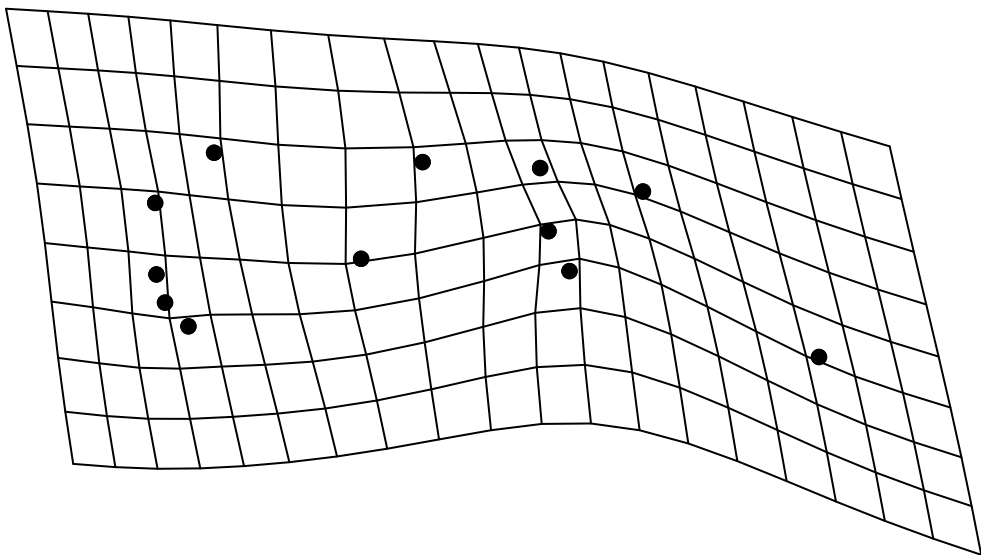


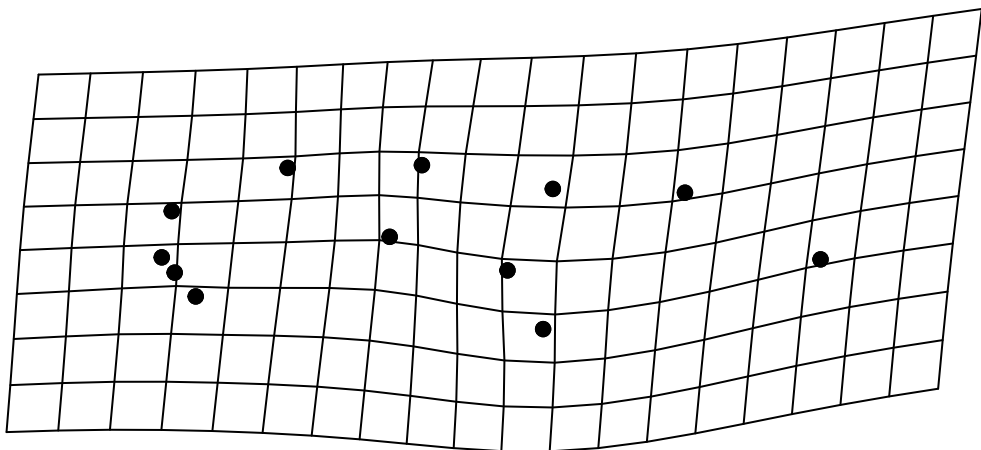


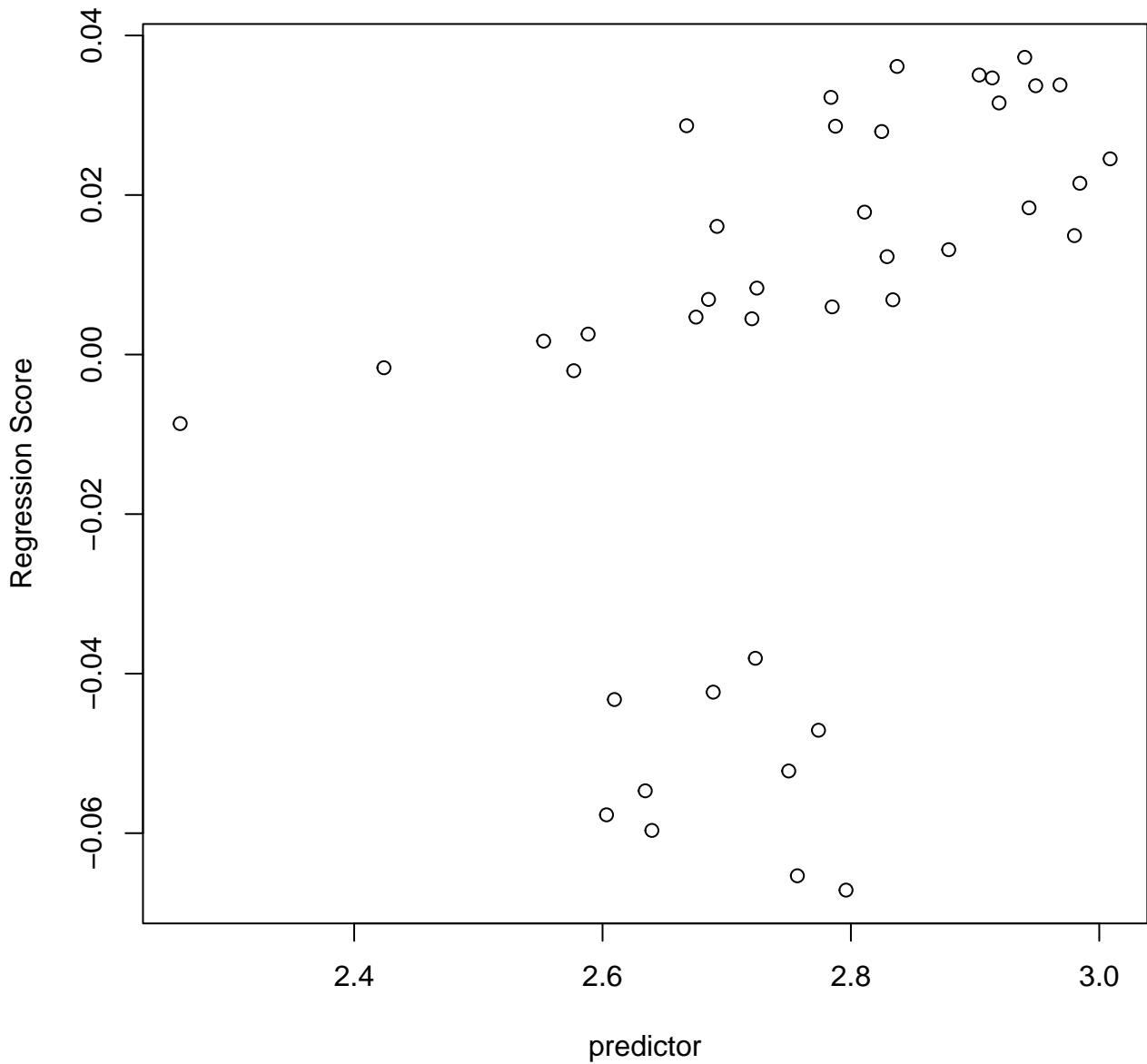


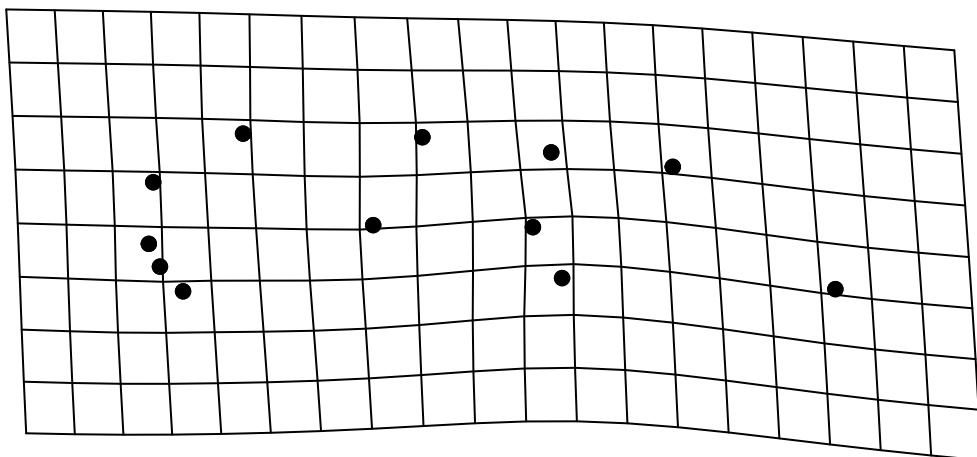


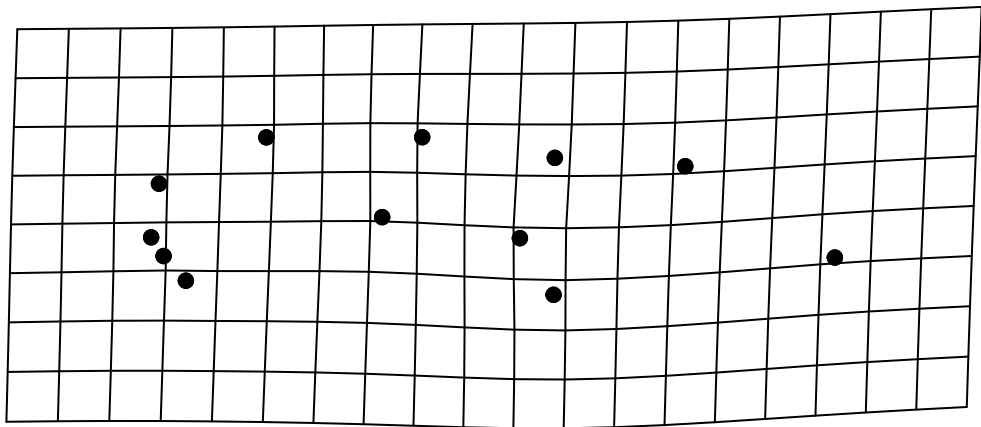


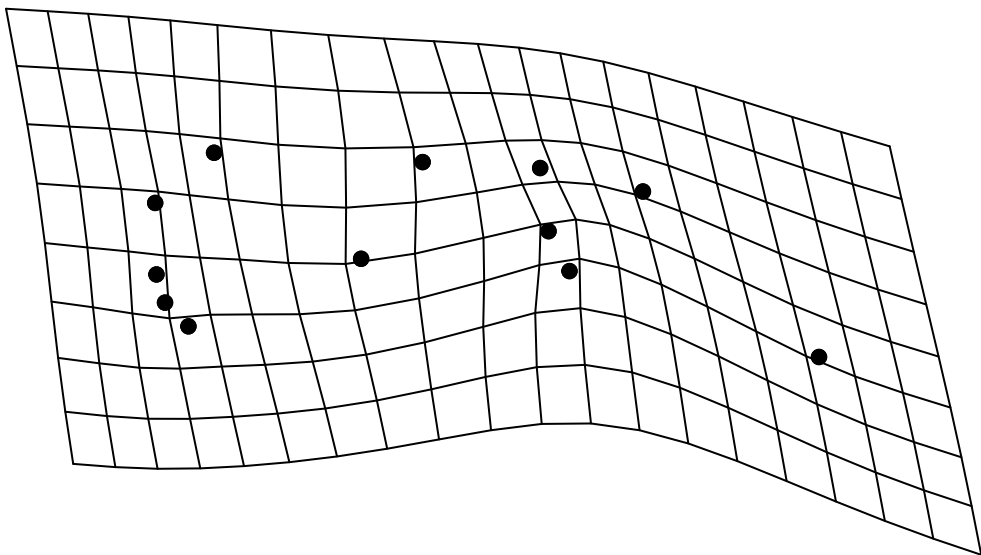


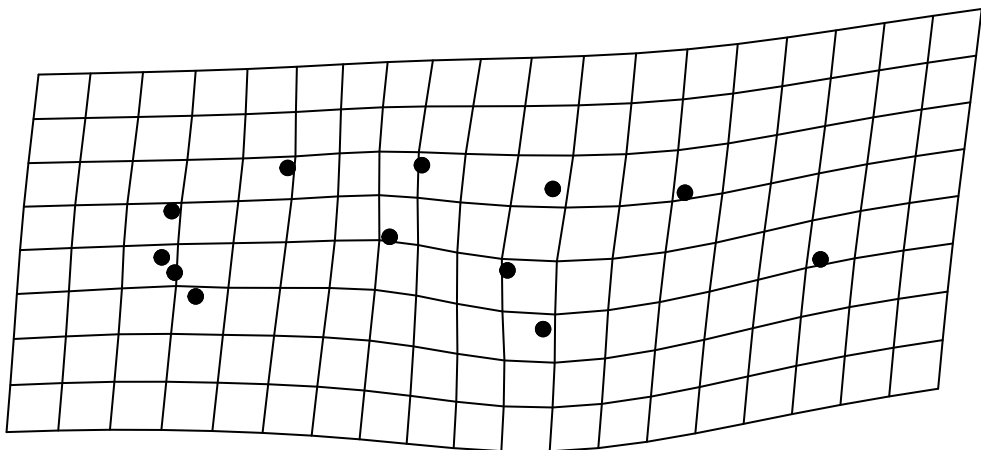


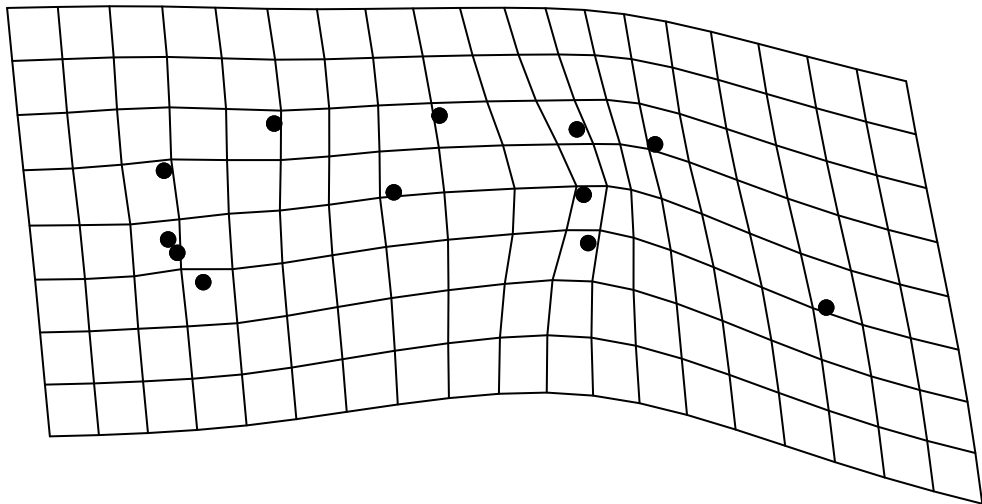


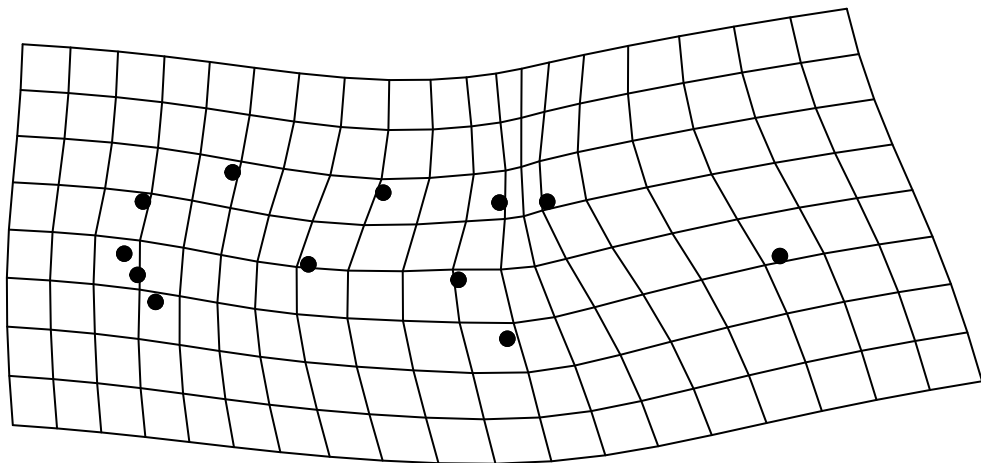


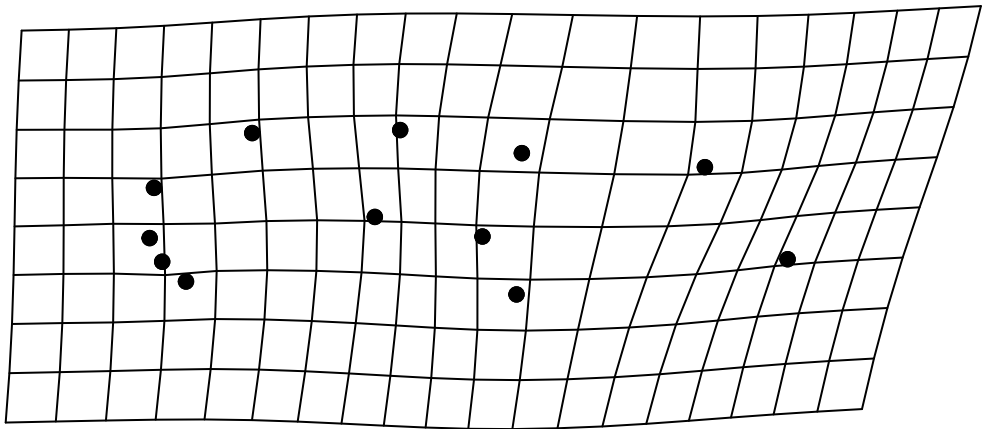


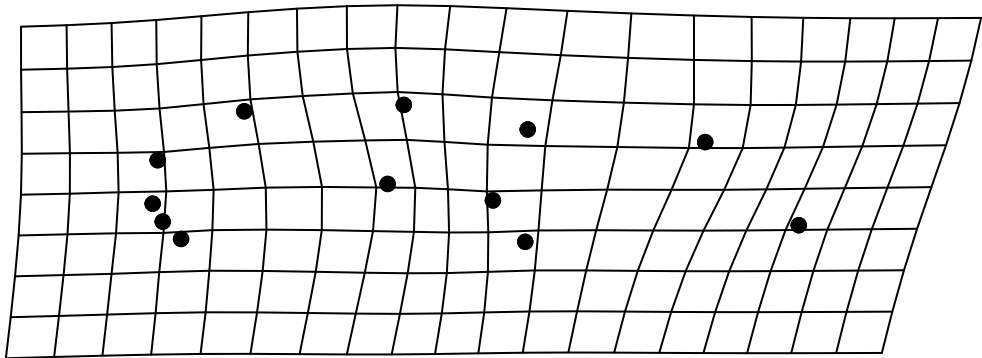


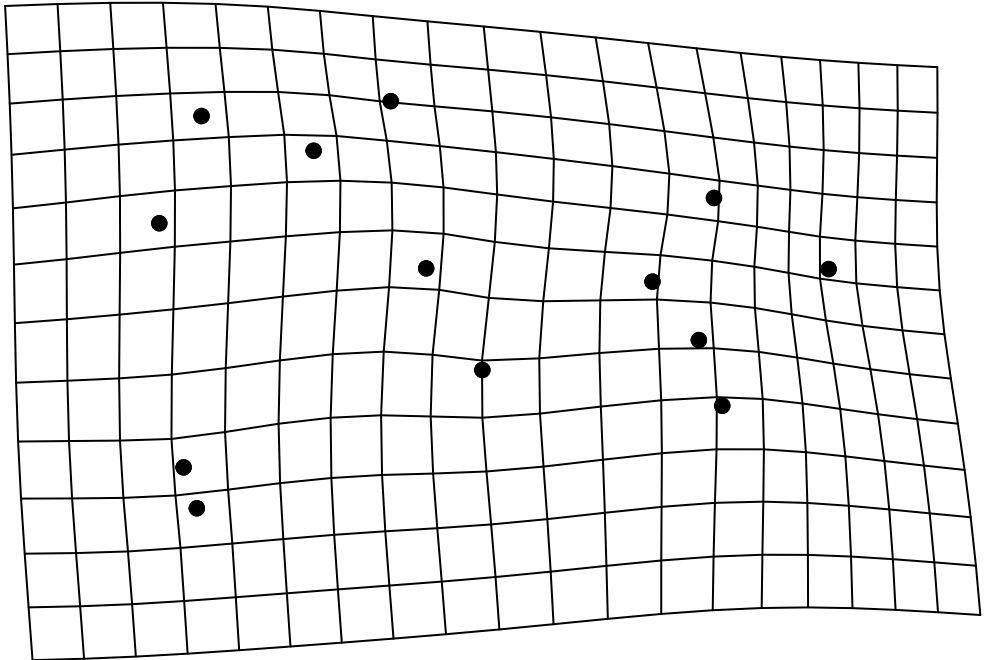


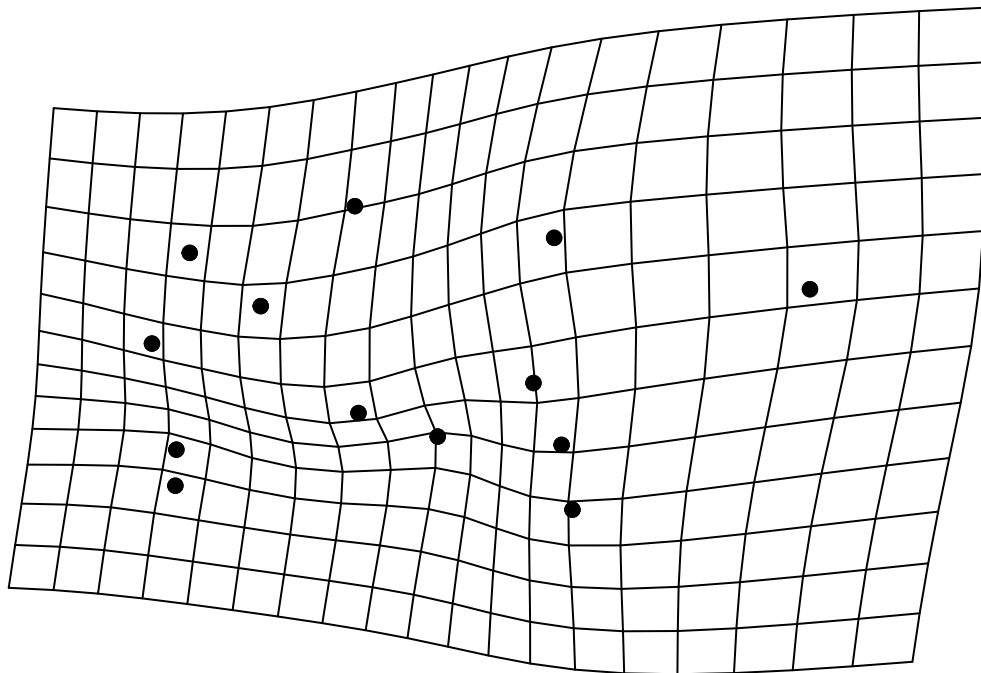


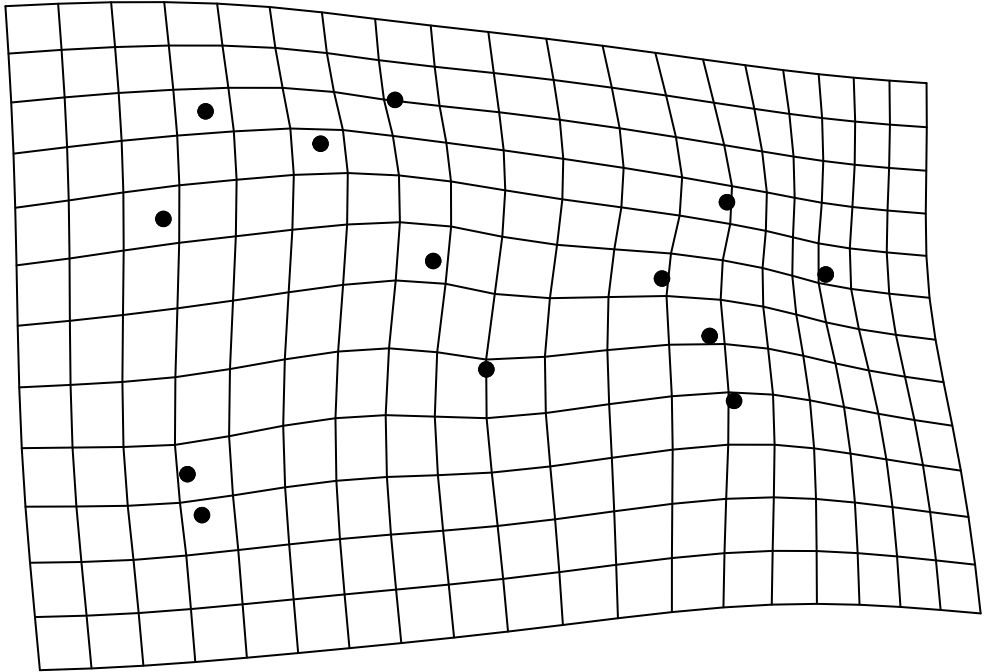


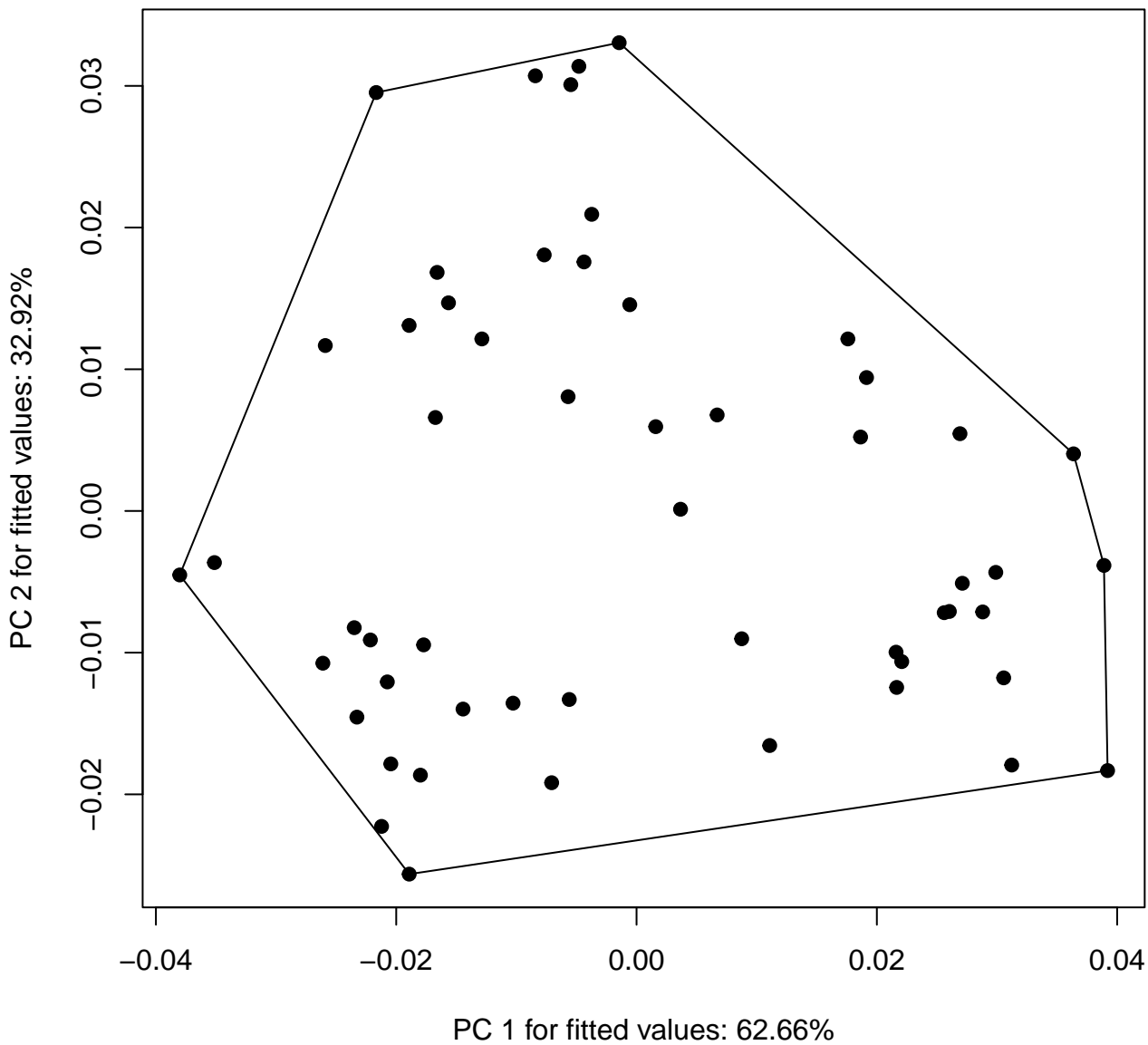


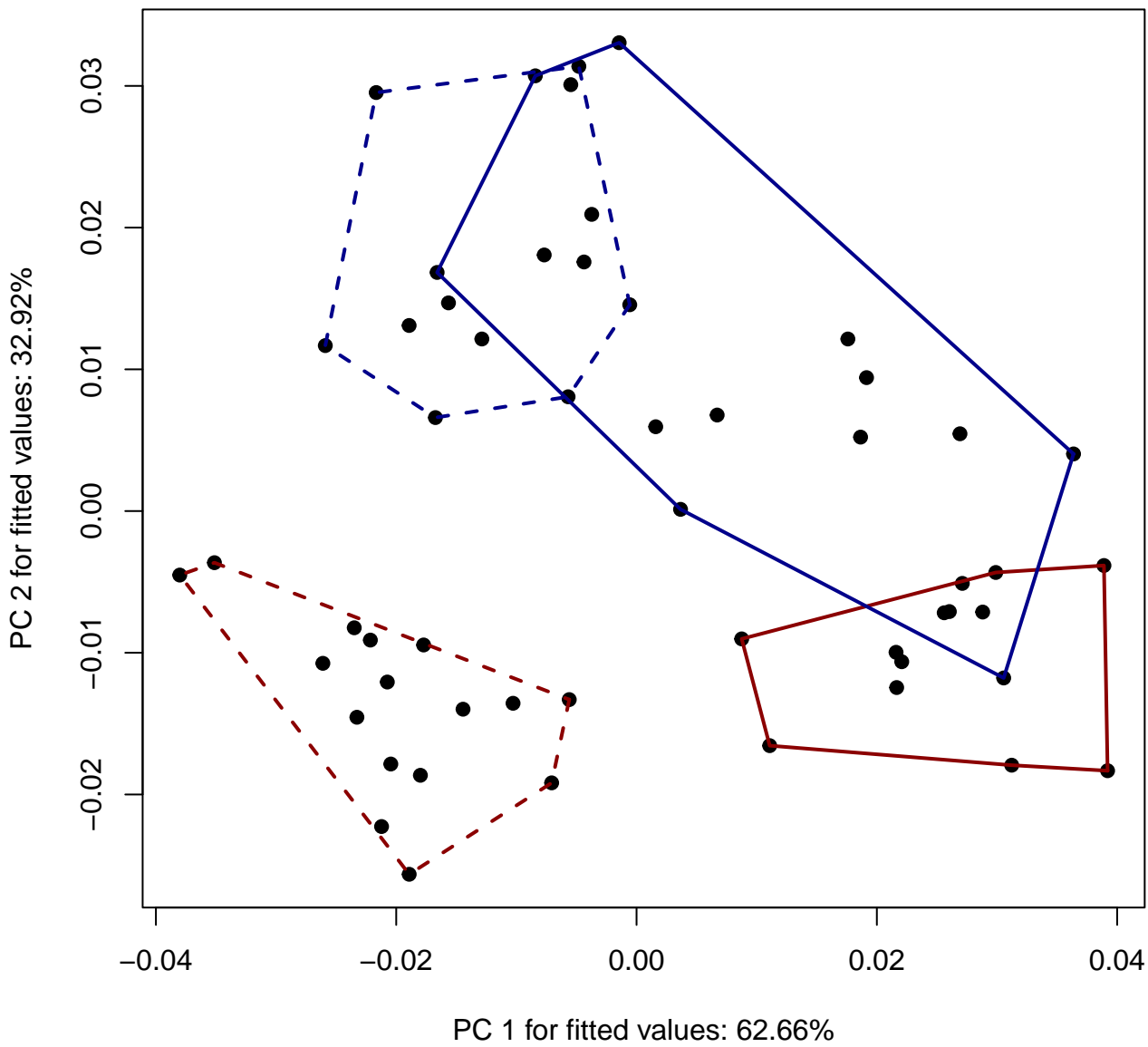




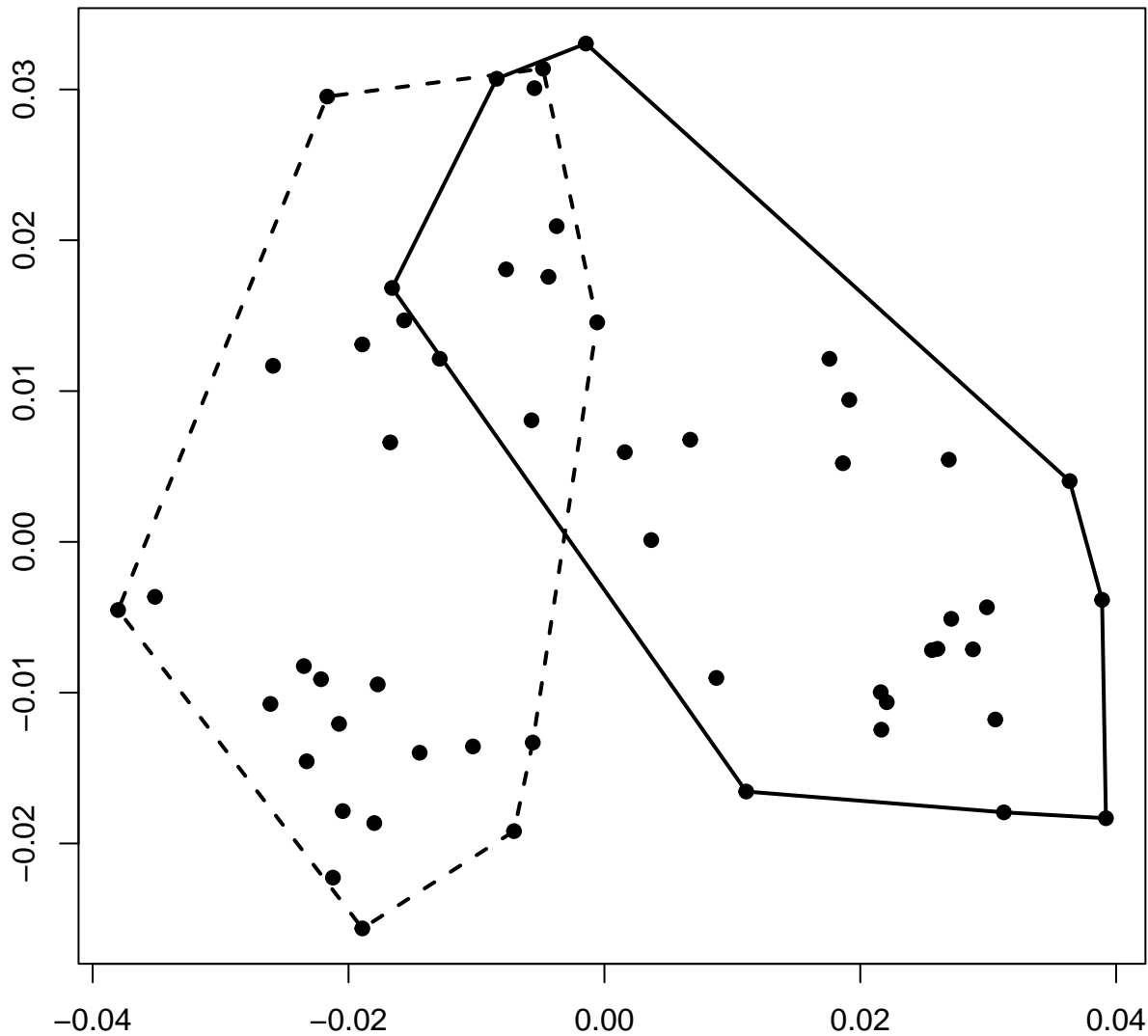




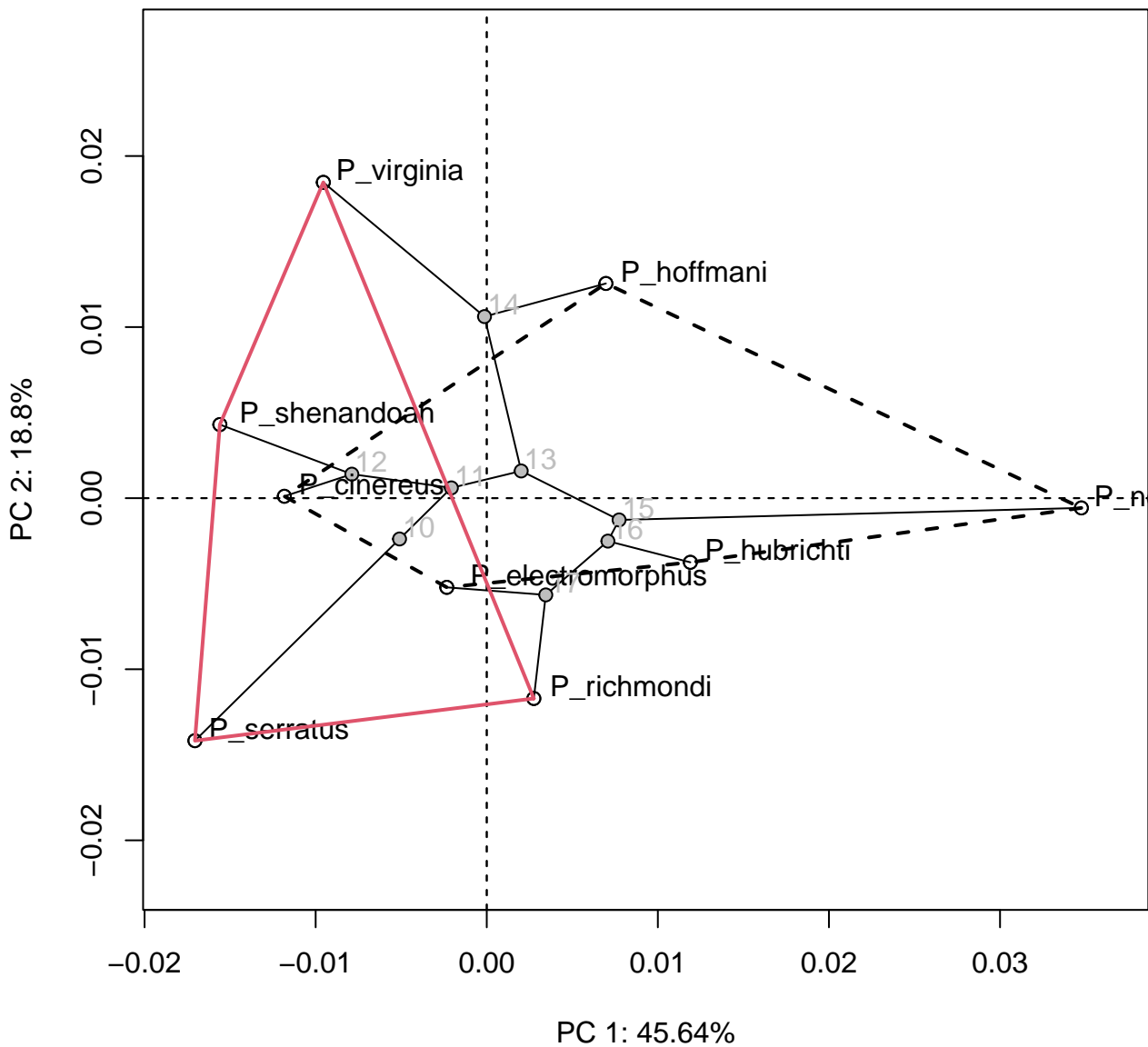




PC 2 for fitted values: 32.92%



PC 1 for fitted values: 62.66%



PLS1 Plot: Block 1 (X) vs. Block 2 (Y)

