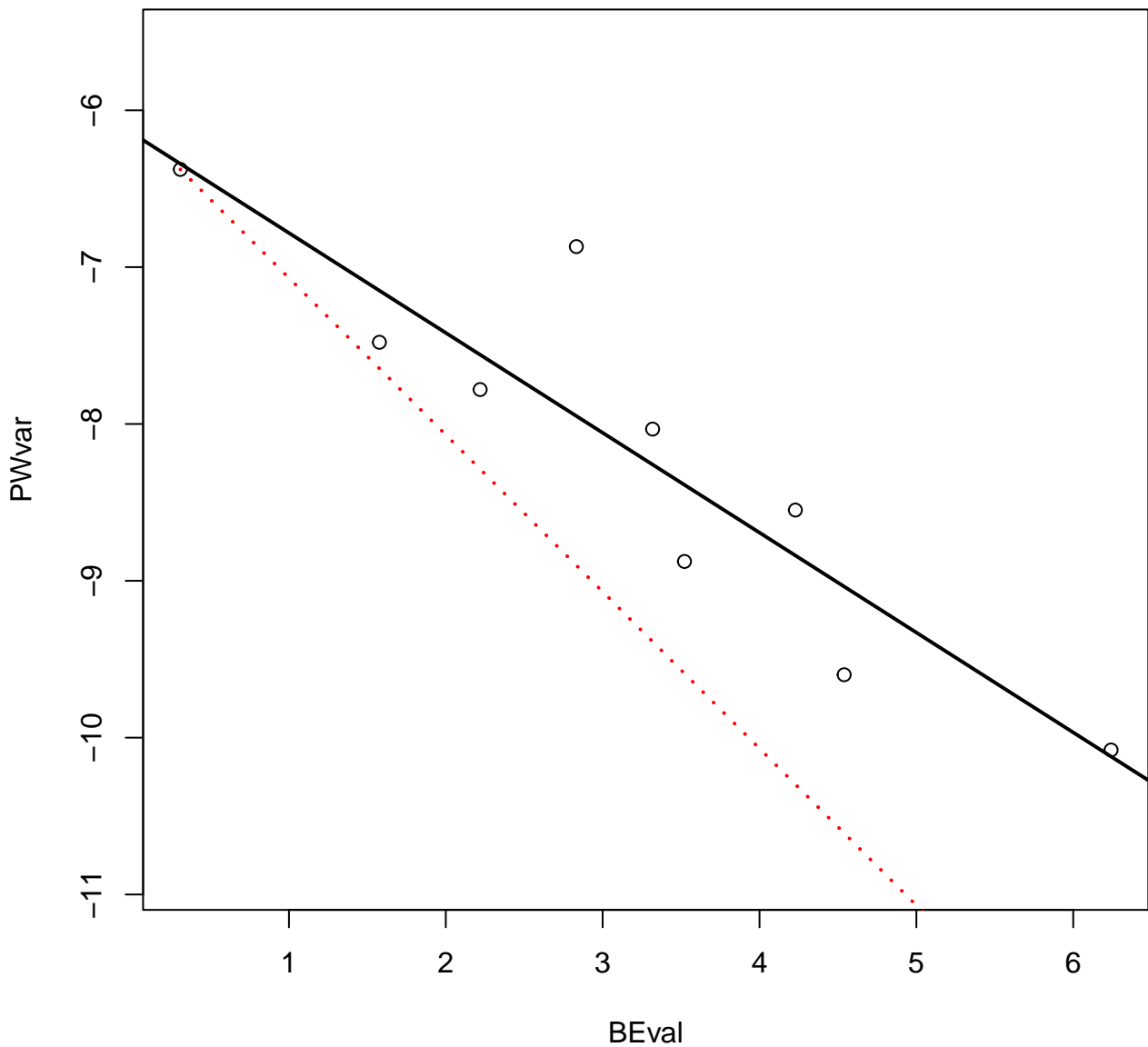
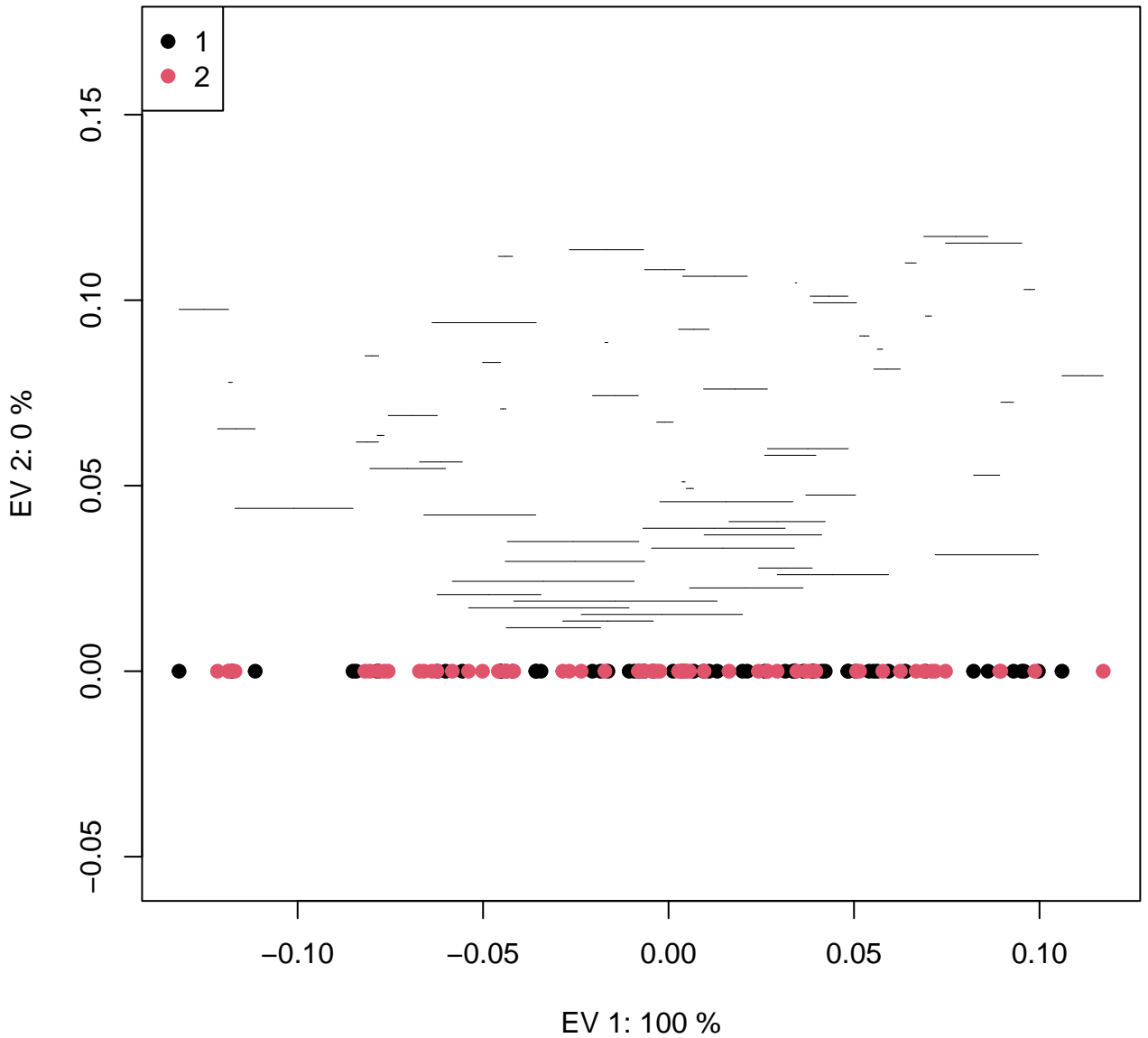


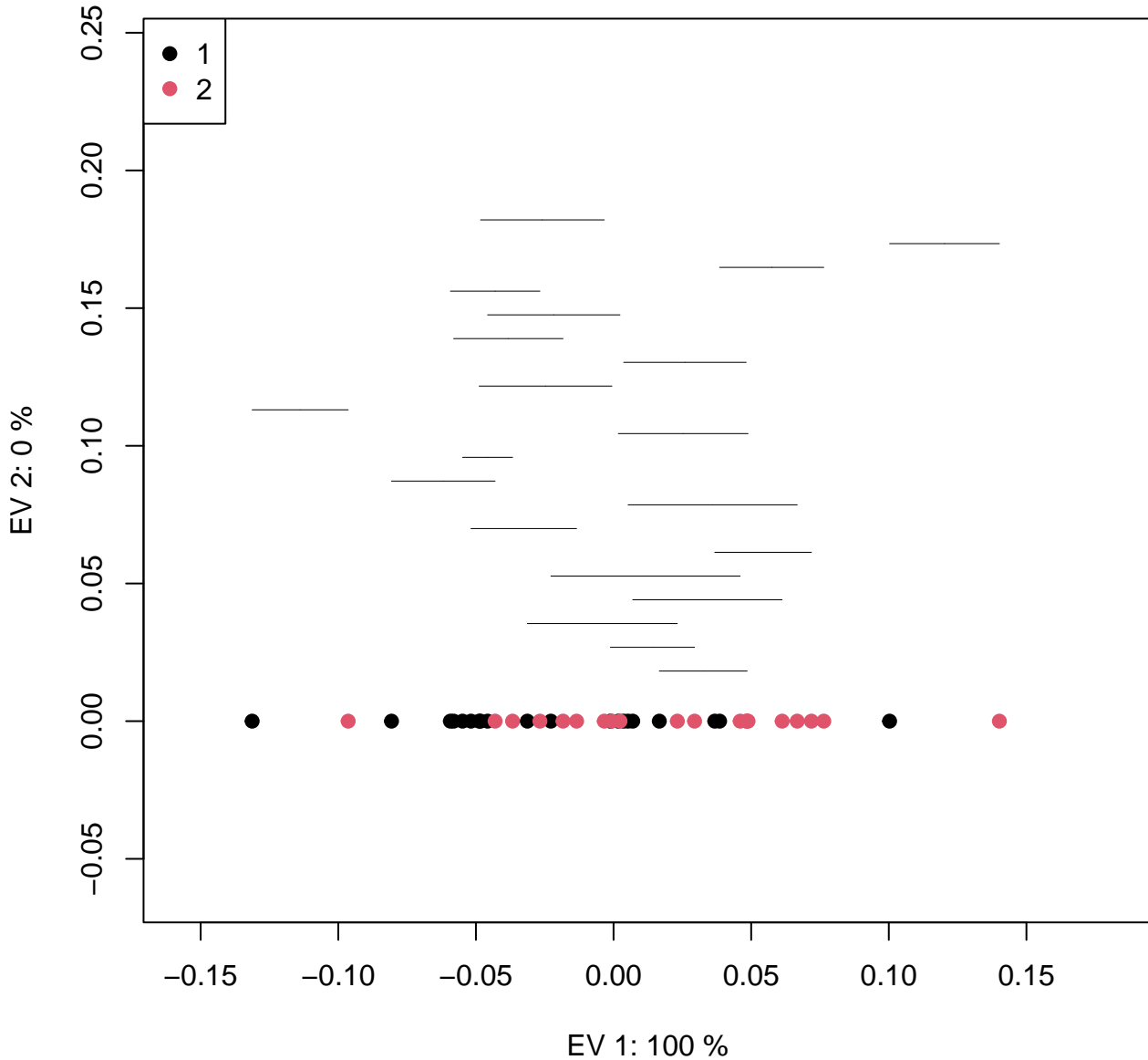
ObservedSlope<sub>black</sub> = -0.6369198



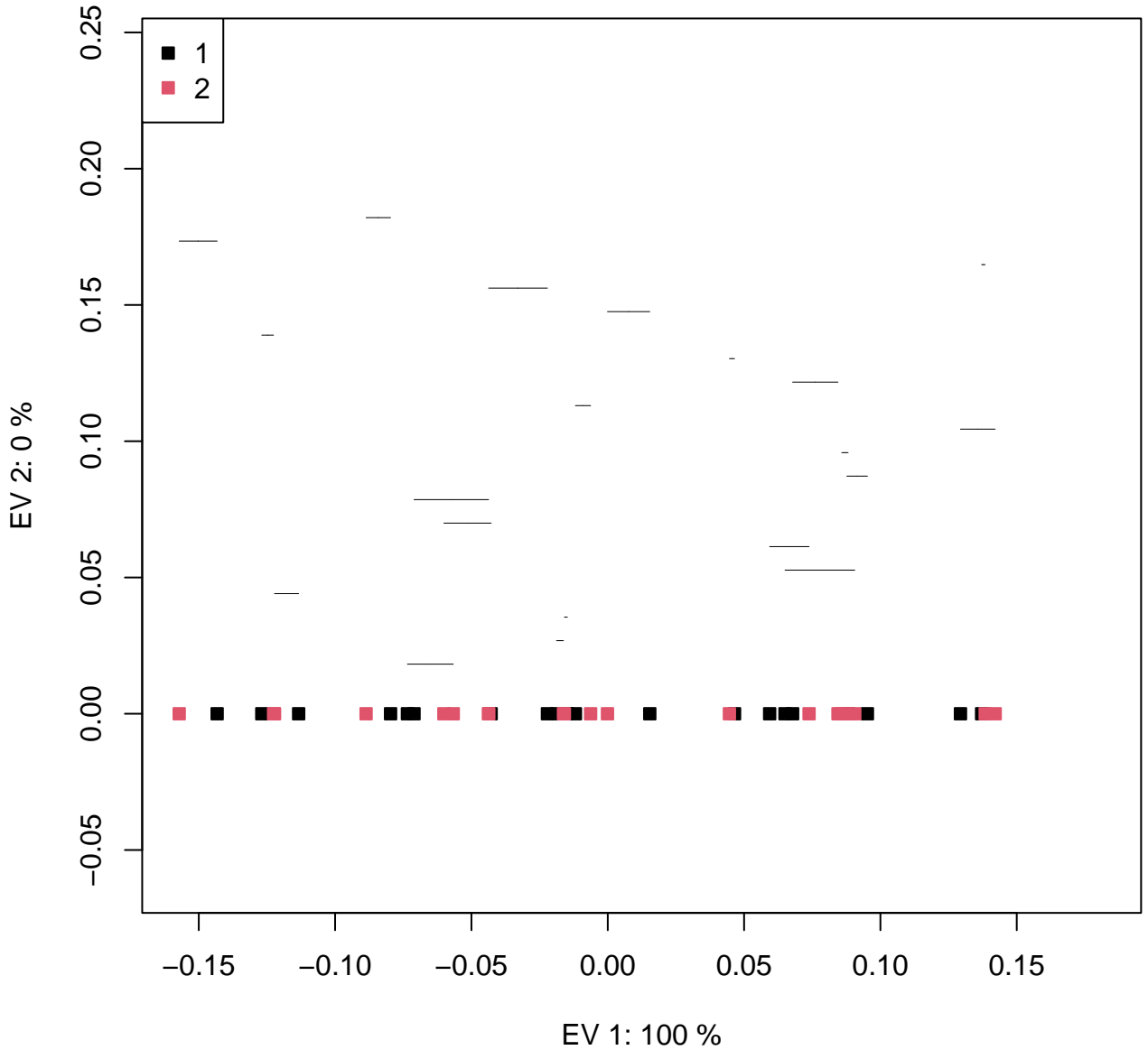
# Systematic ME / Random ME



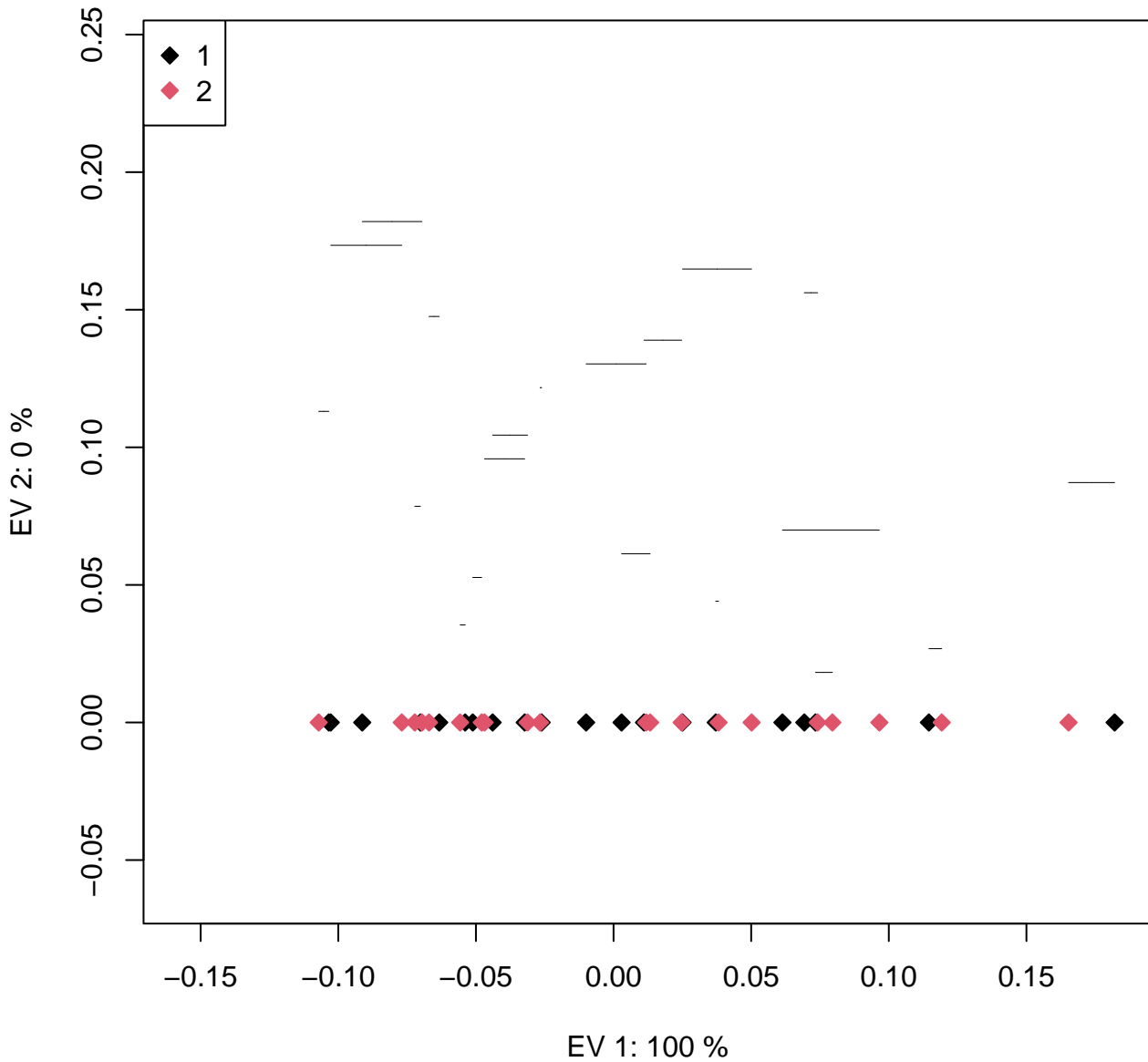
# Systematic ME / Random ME for Group a



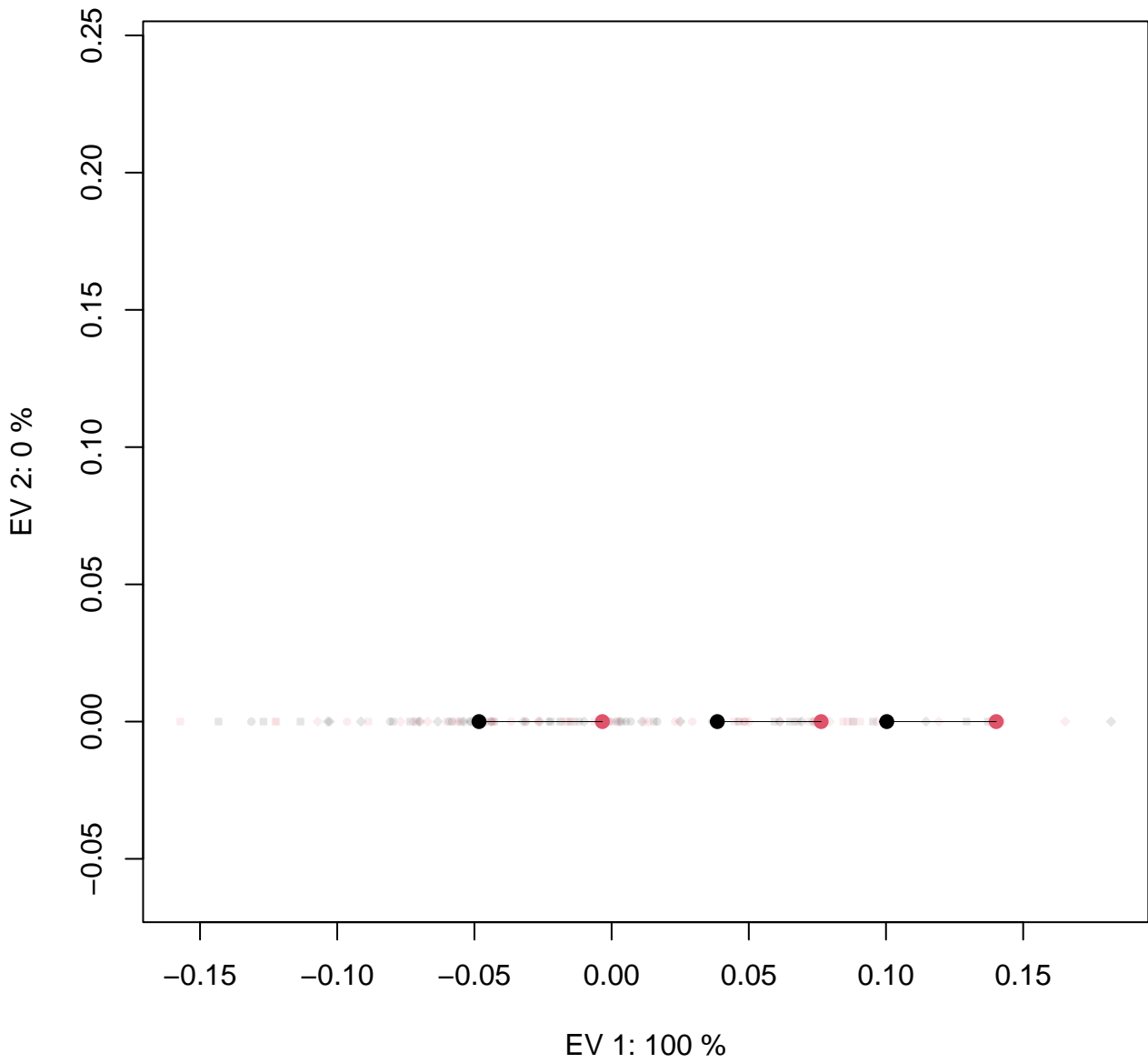
# Systematic ME / Random ME for Group b

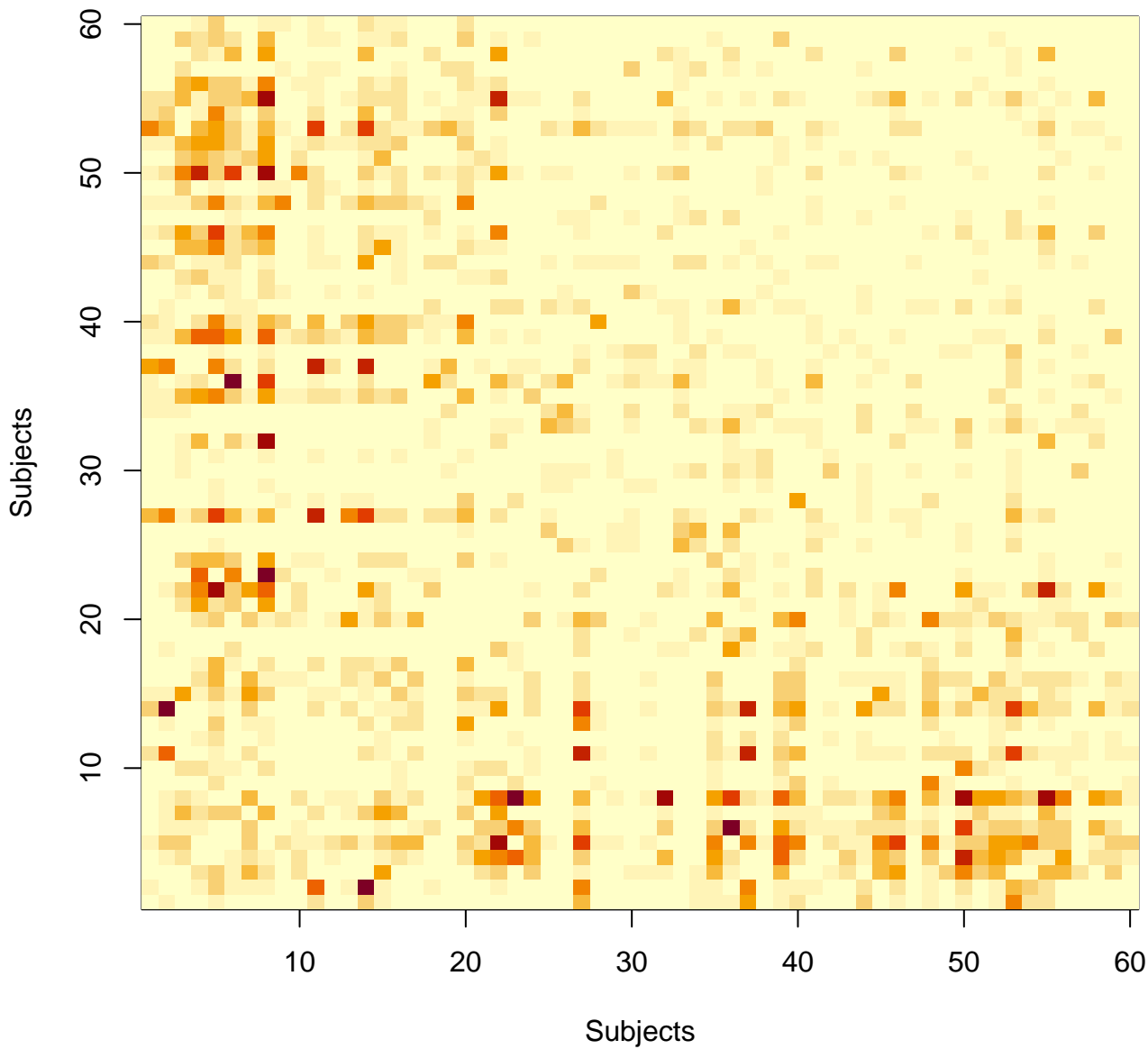


### Systematic ME / Random ME for Group c

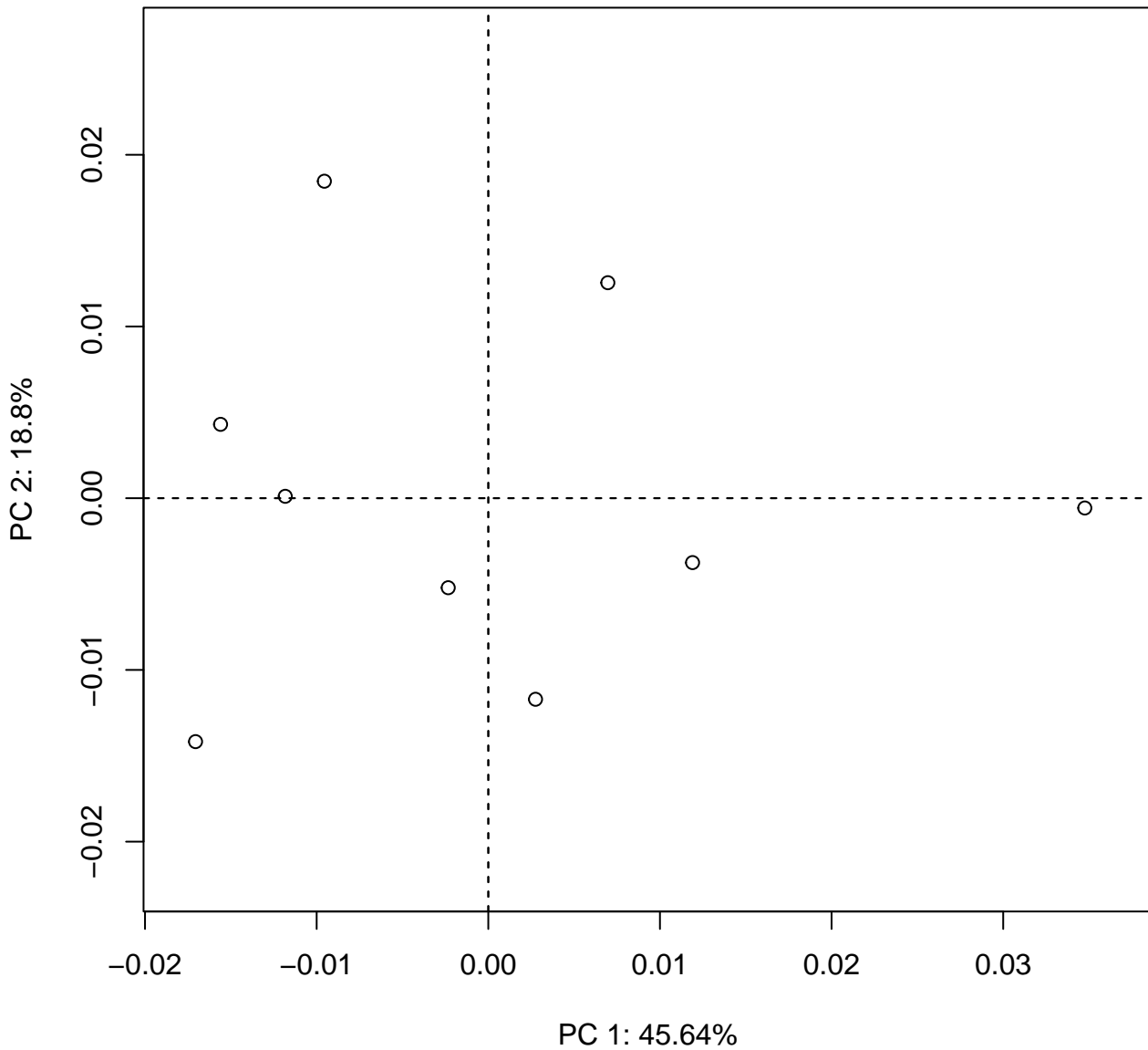




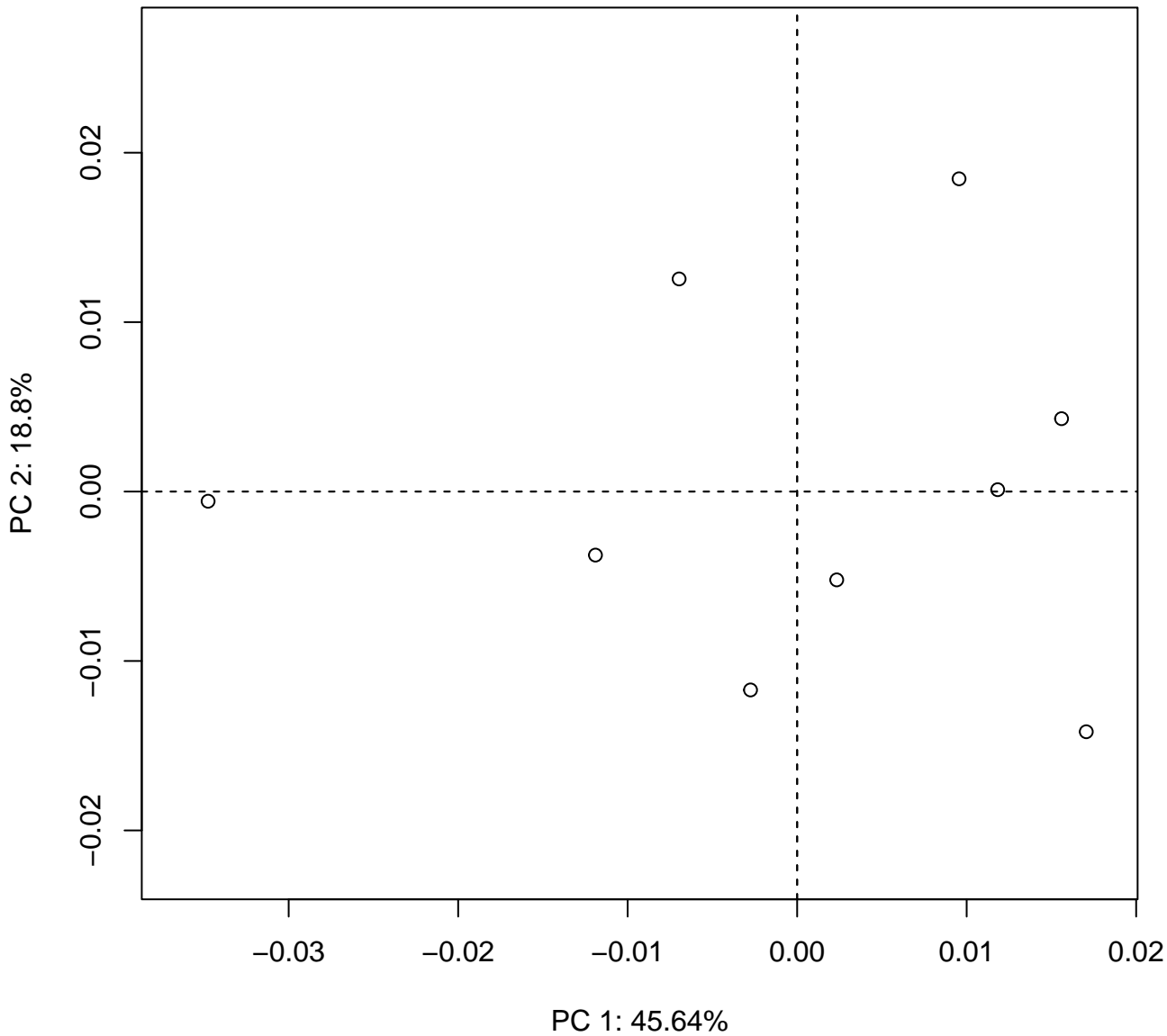




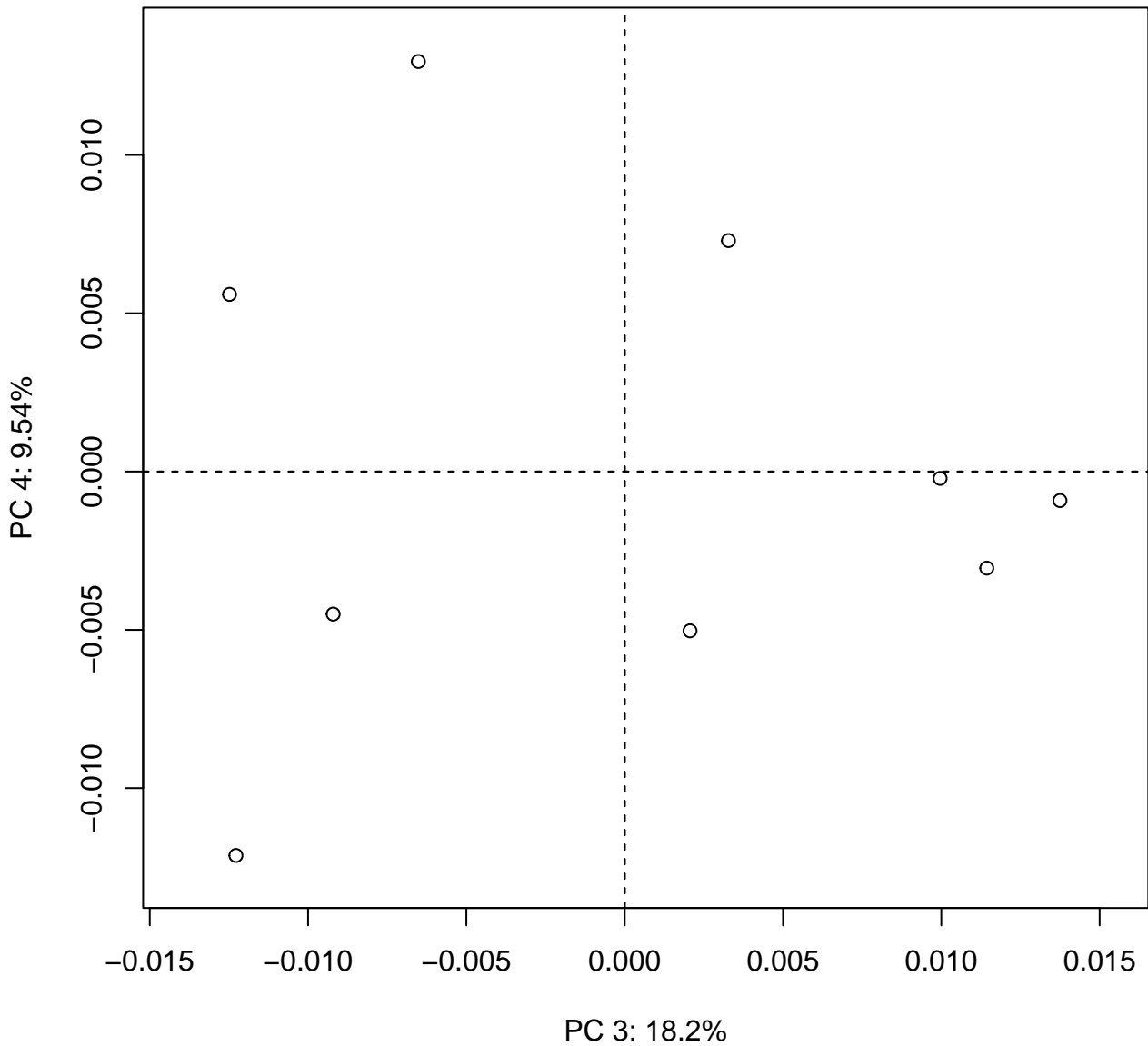
# PCA



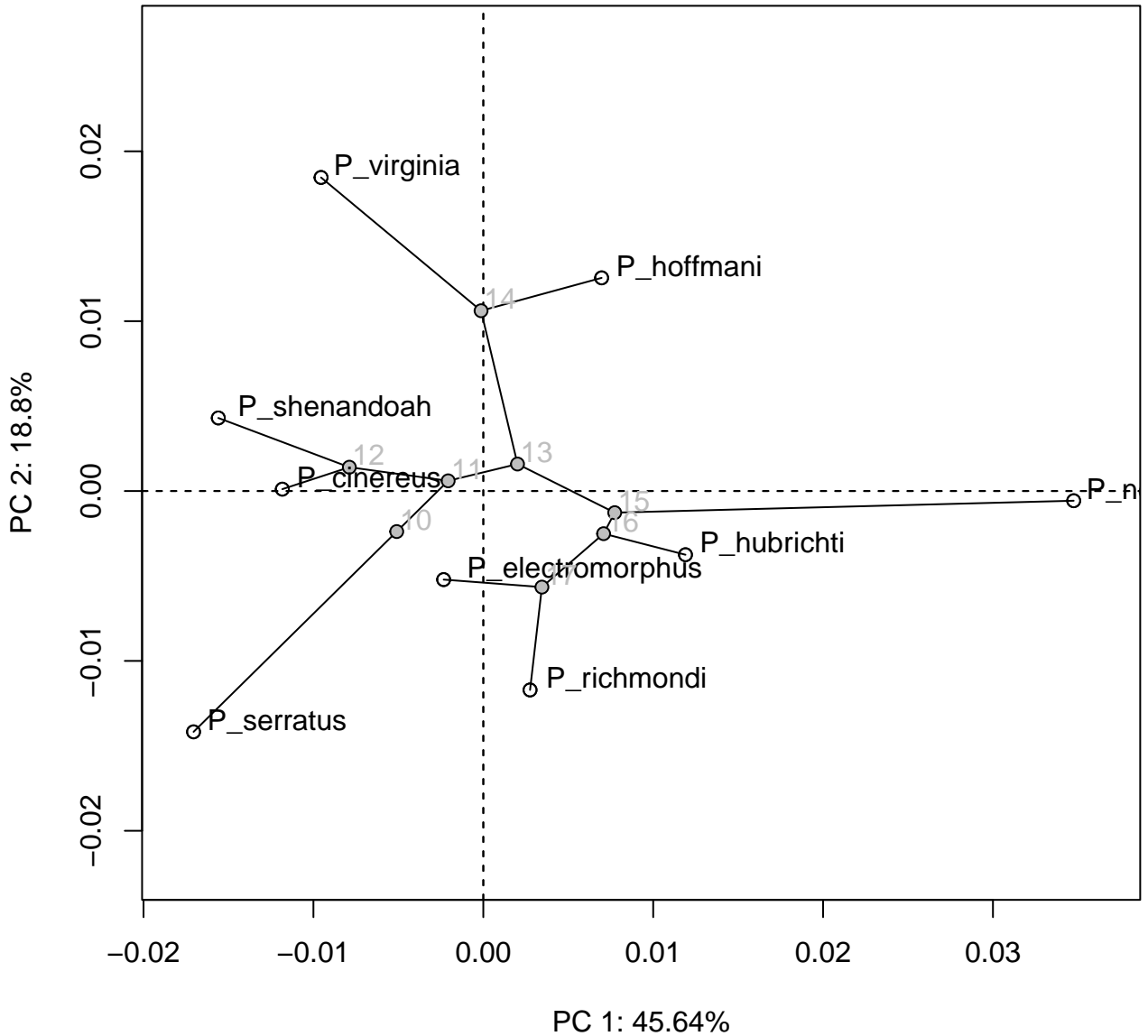
# PCA



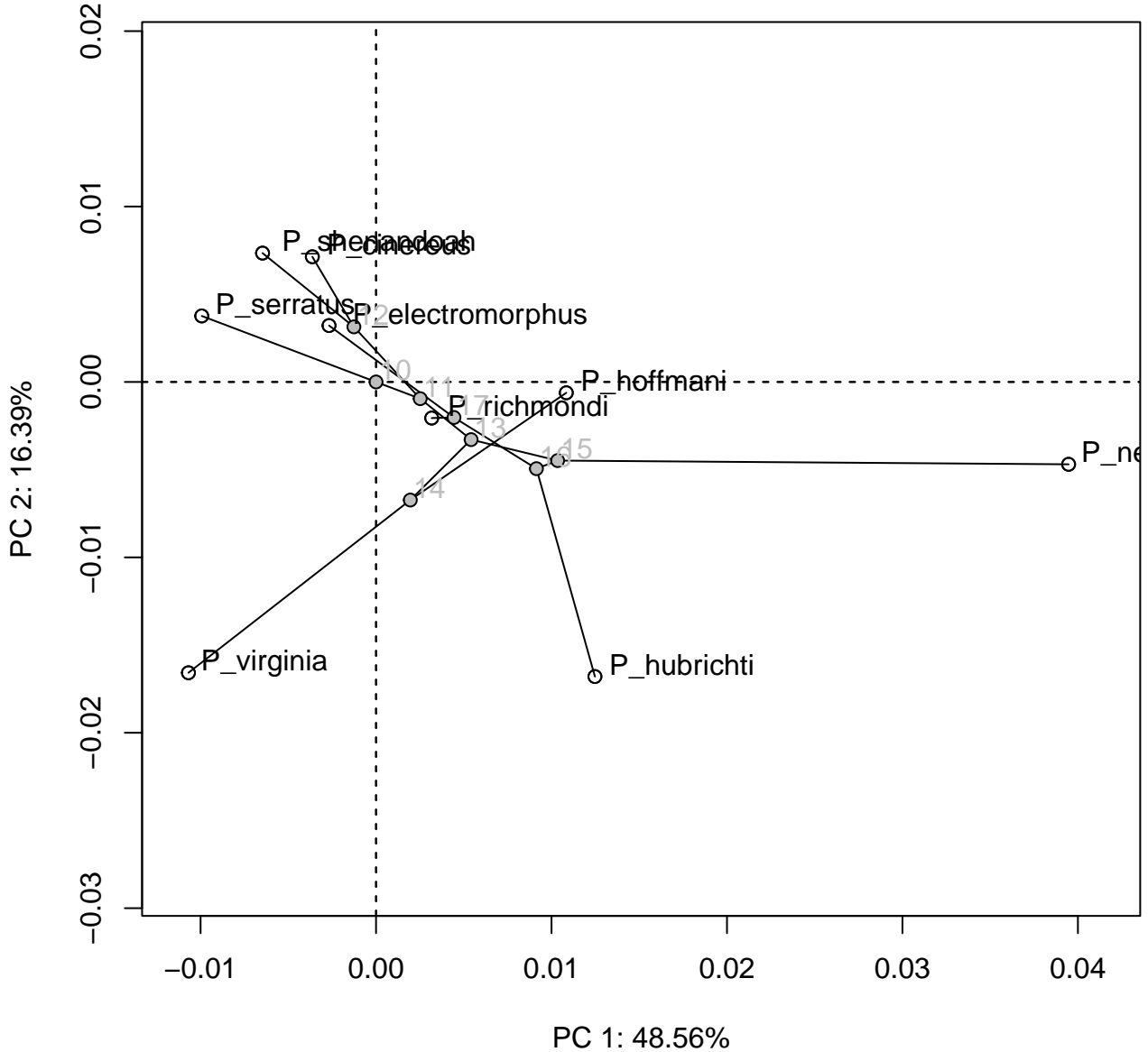
# PCA



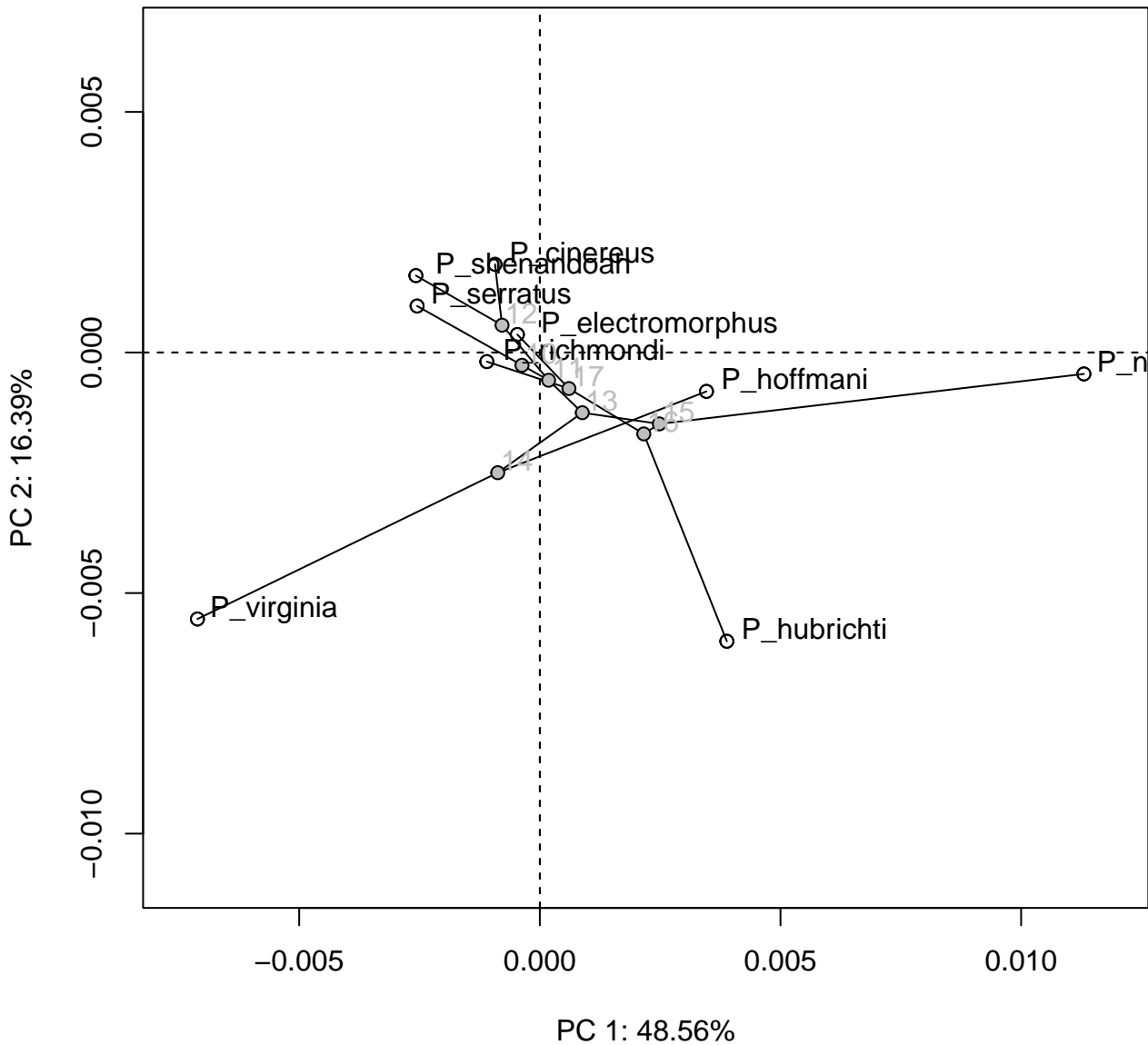
# PCA.w.phylo



# phylo PCA

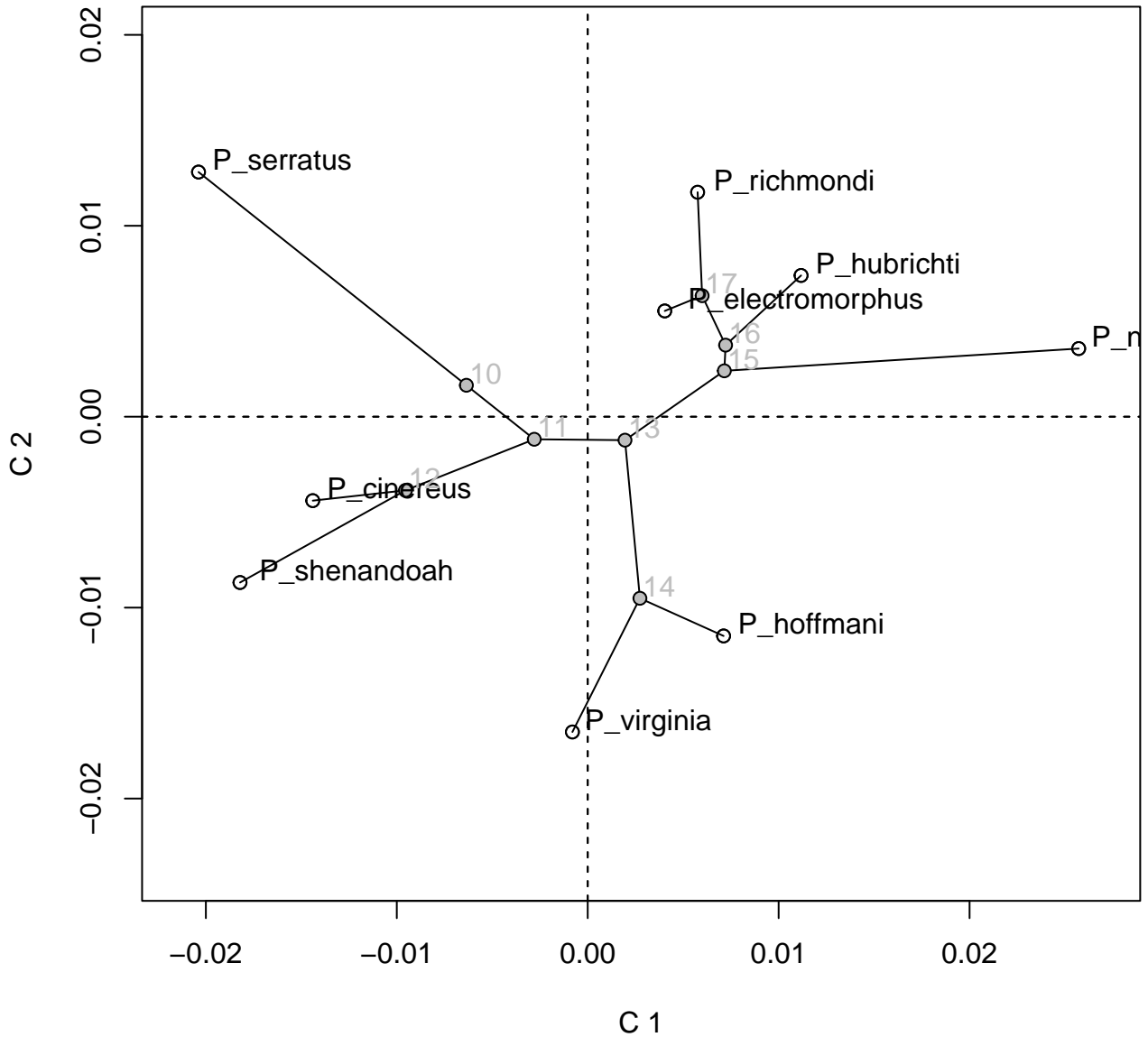


# phylo PCA

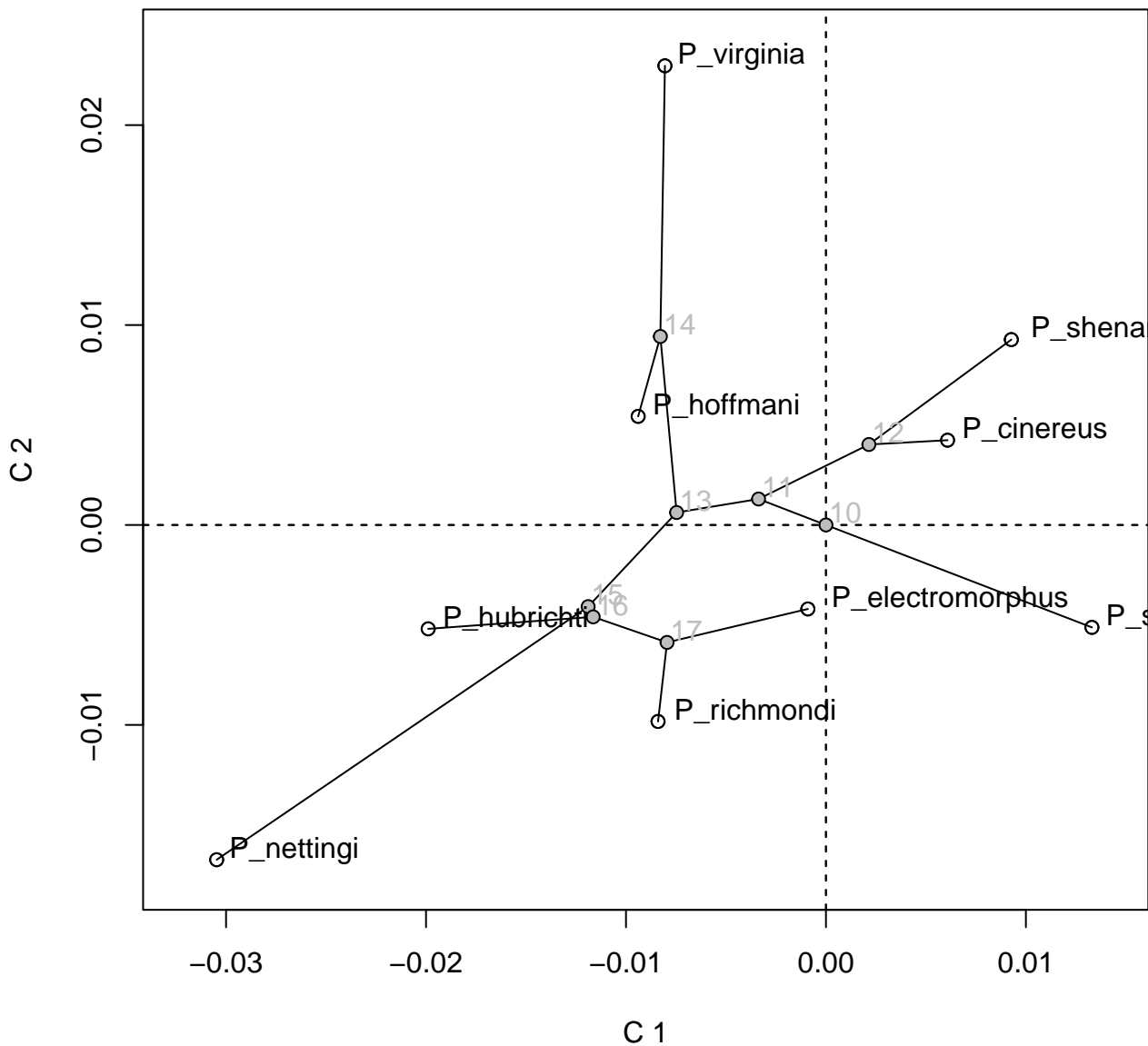




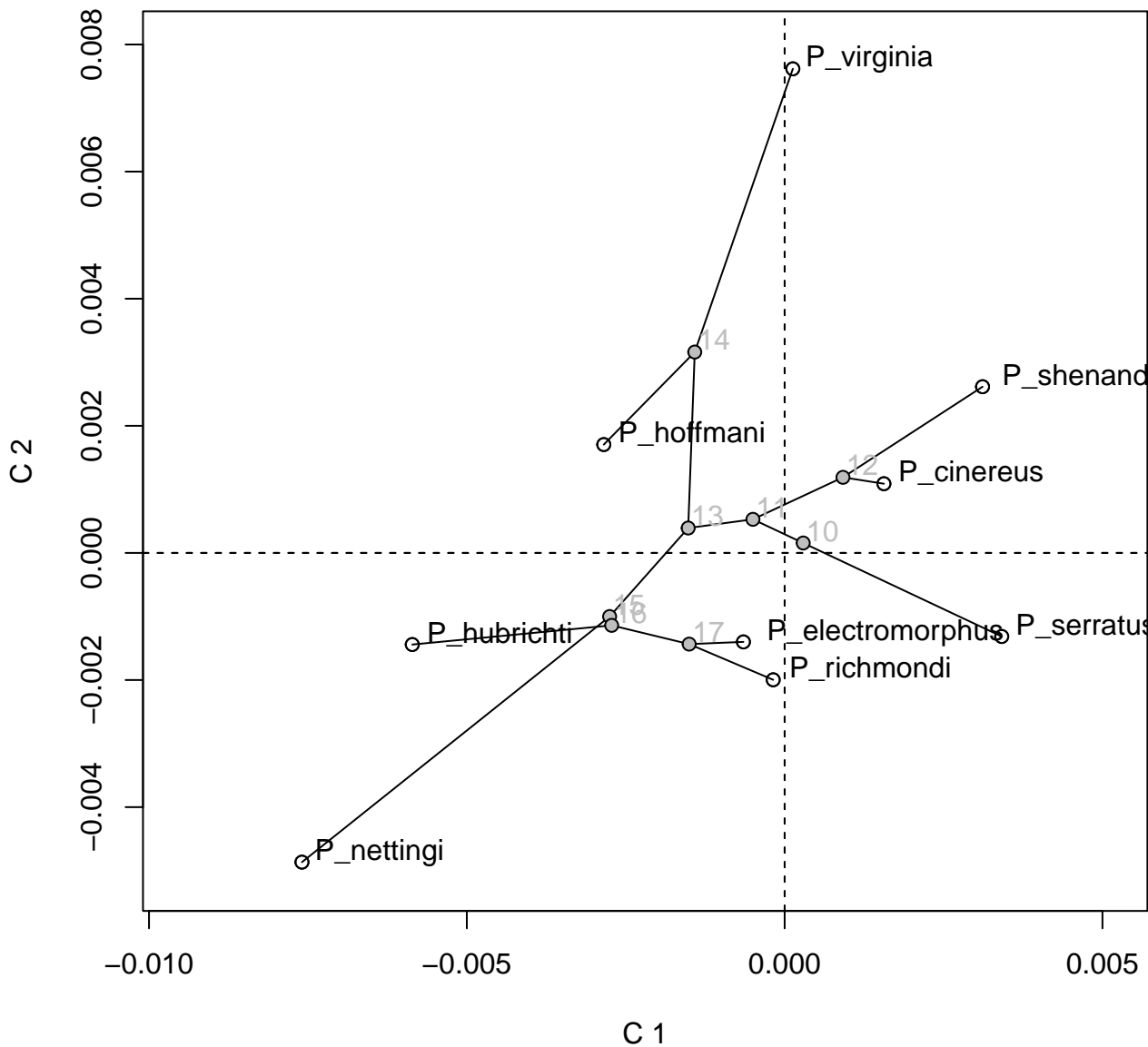
# PaCA using OLS

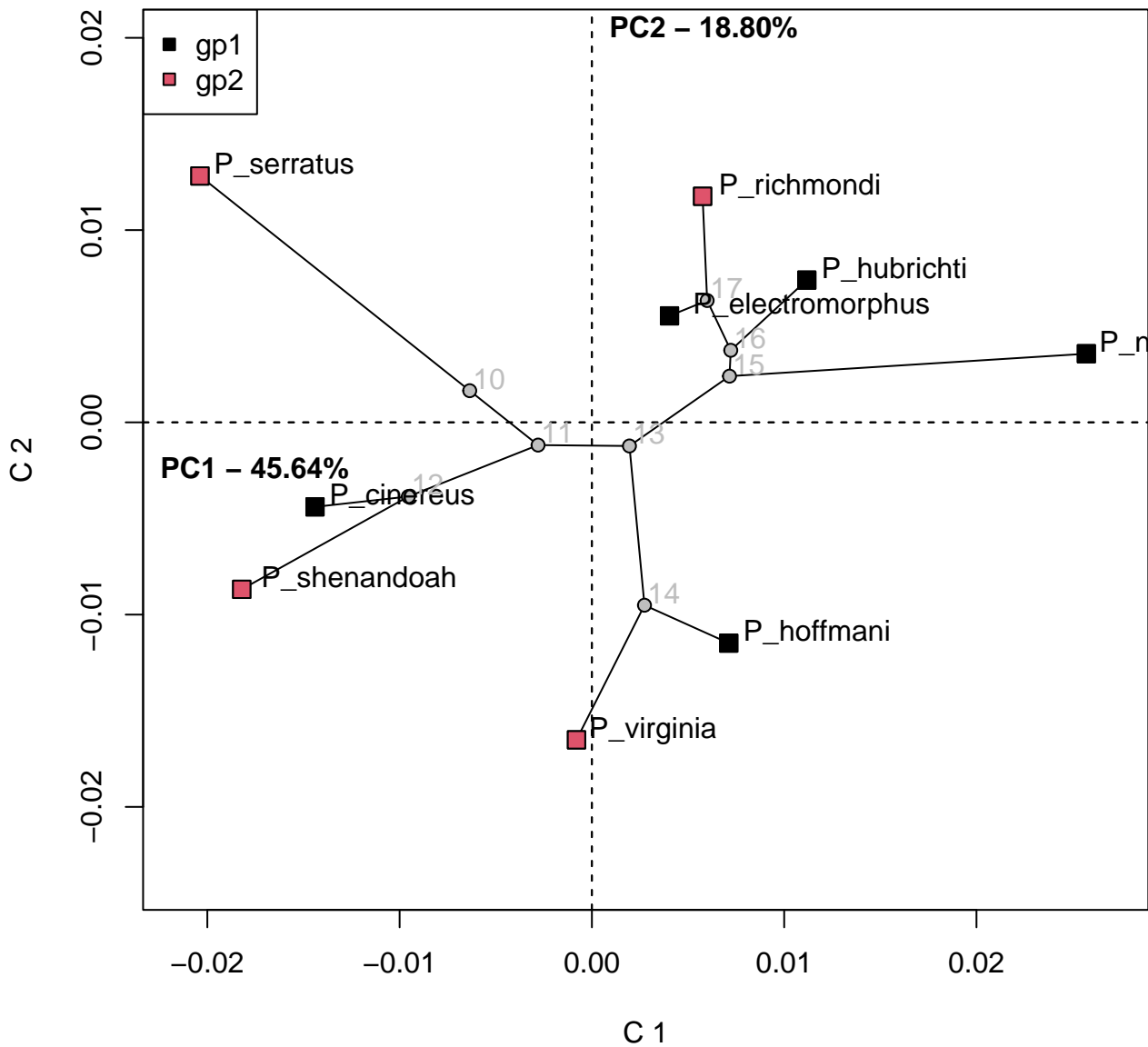


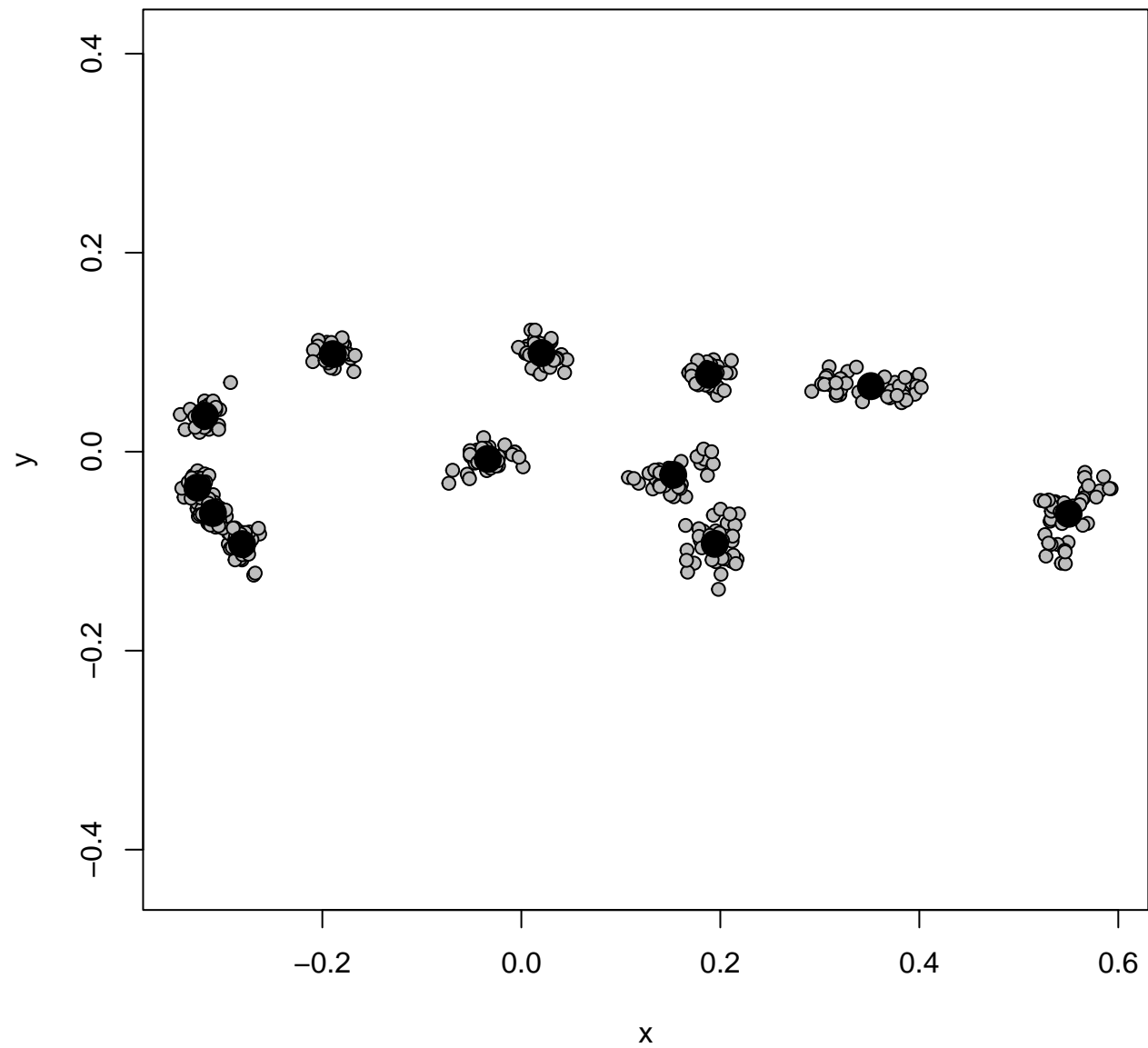
# PaCA using GLS

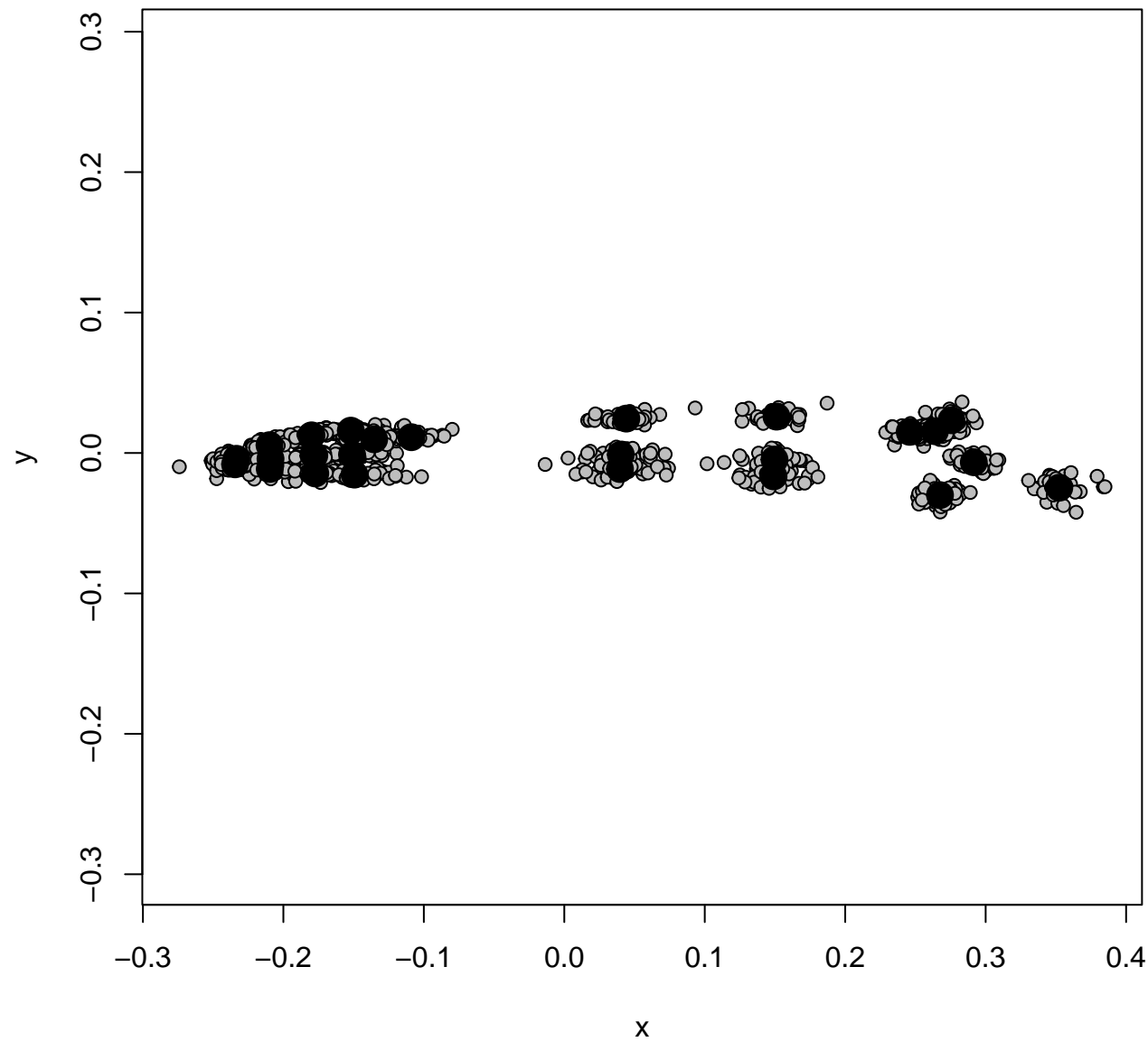


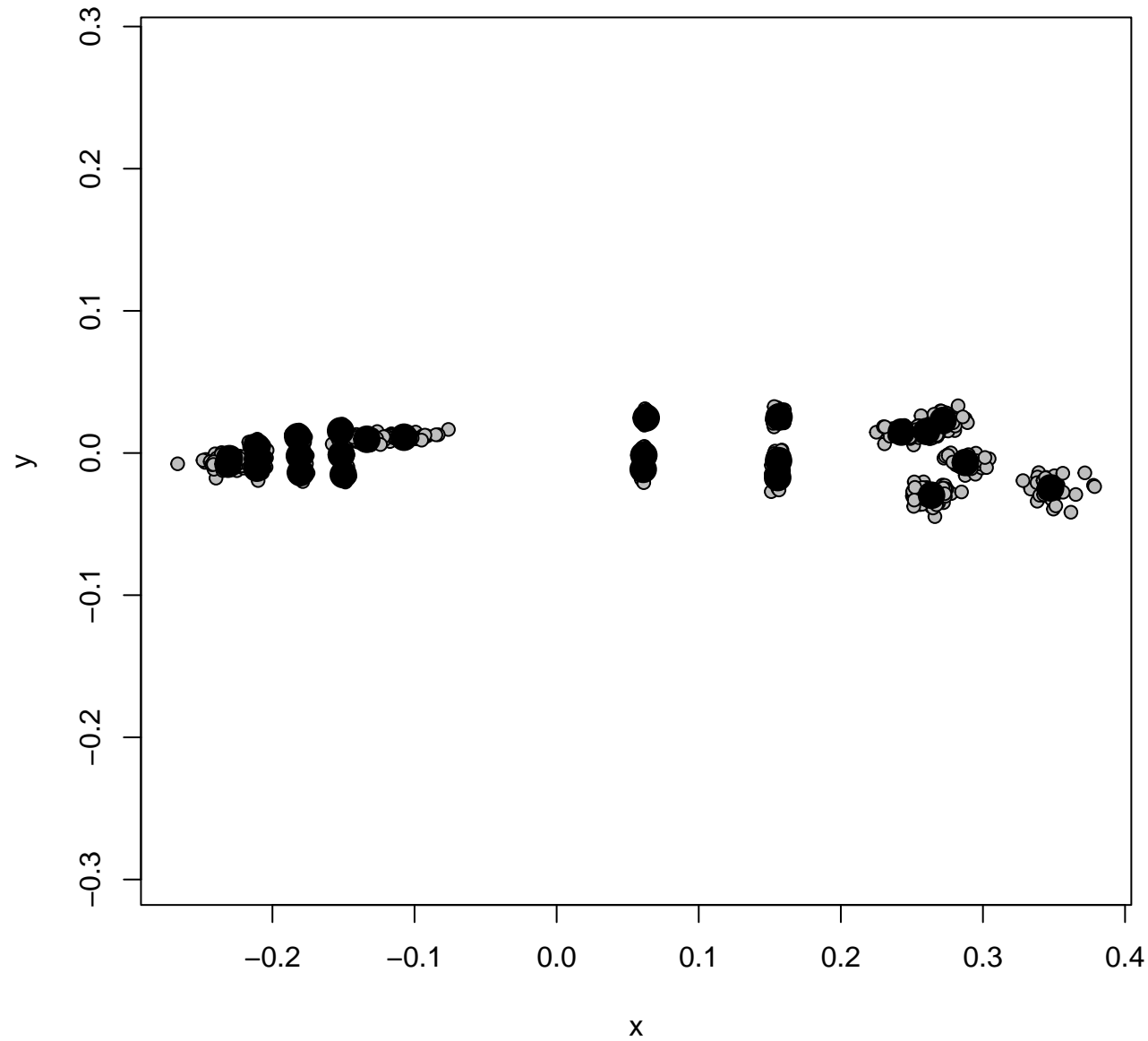
# PaCA using GLS and transformed projection



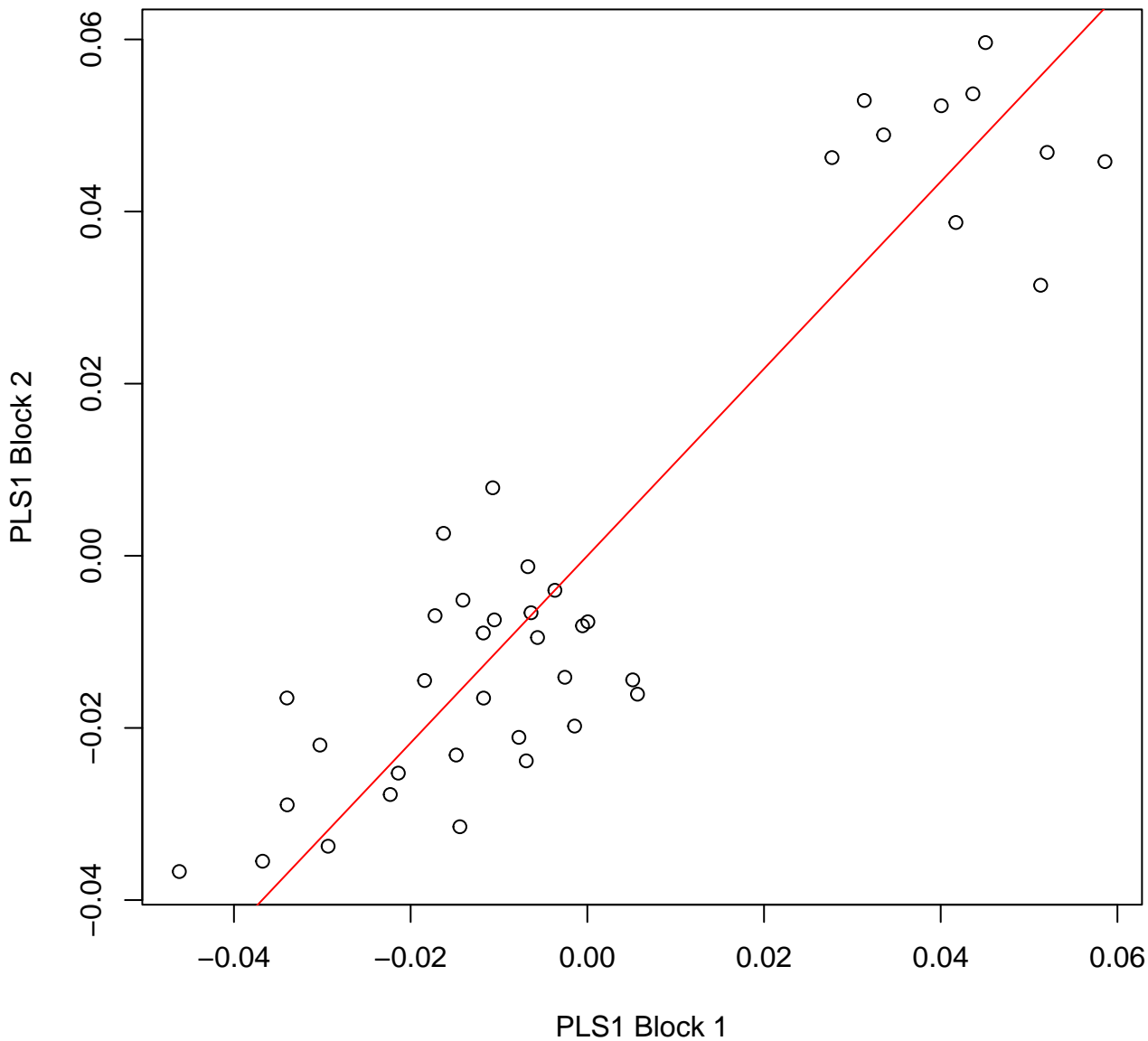






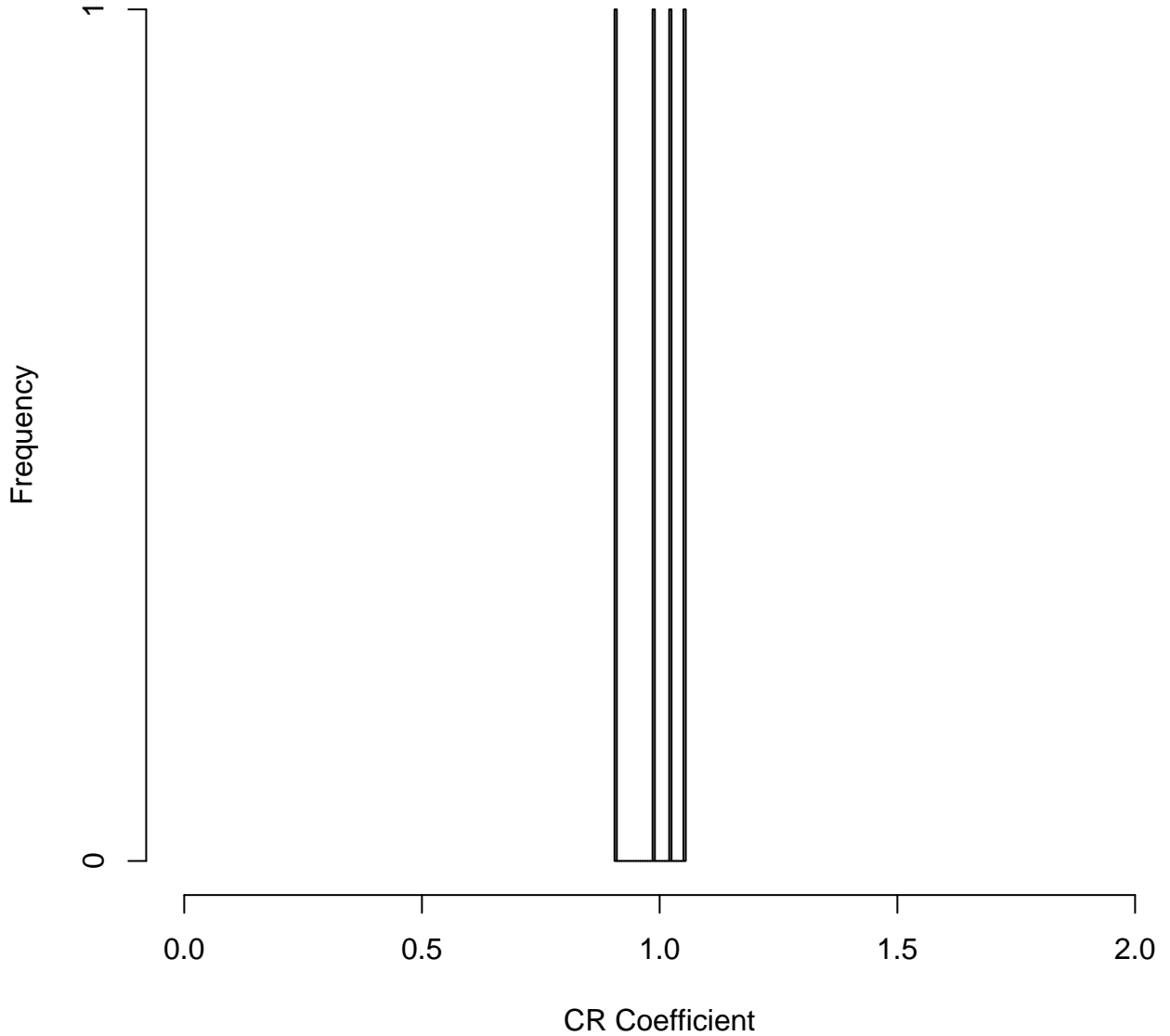


PLS1 Plot: Block 1 (X) vs. Block 2 (Y)

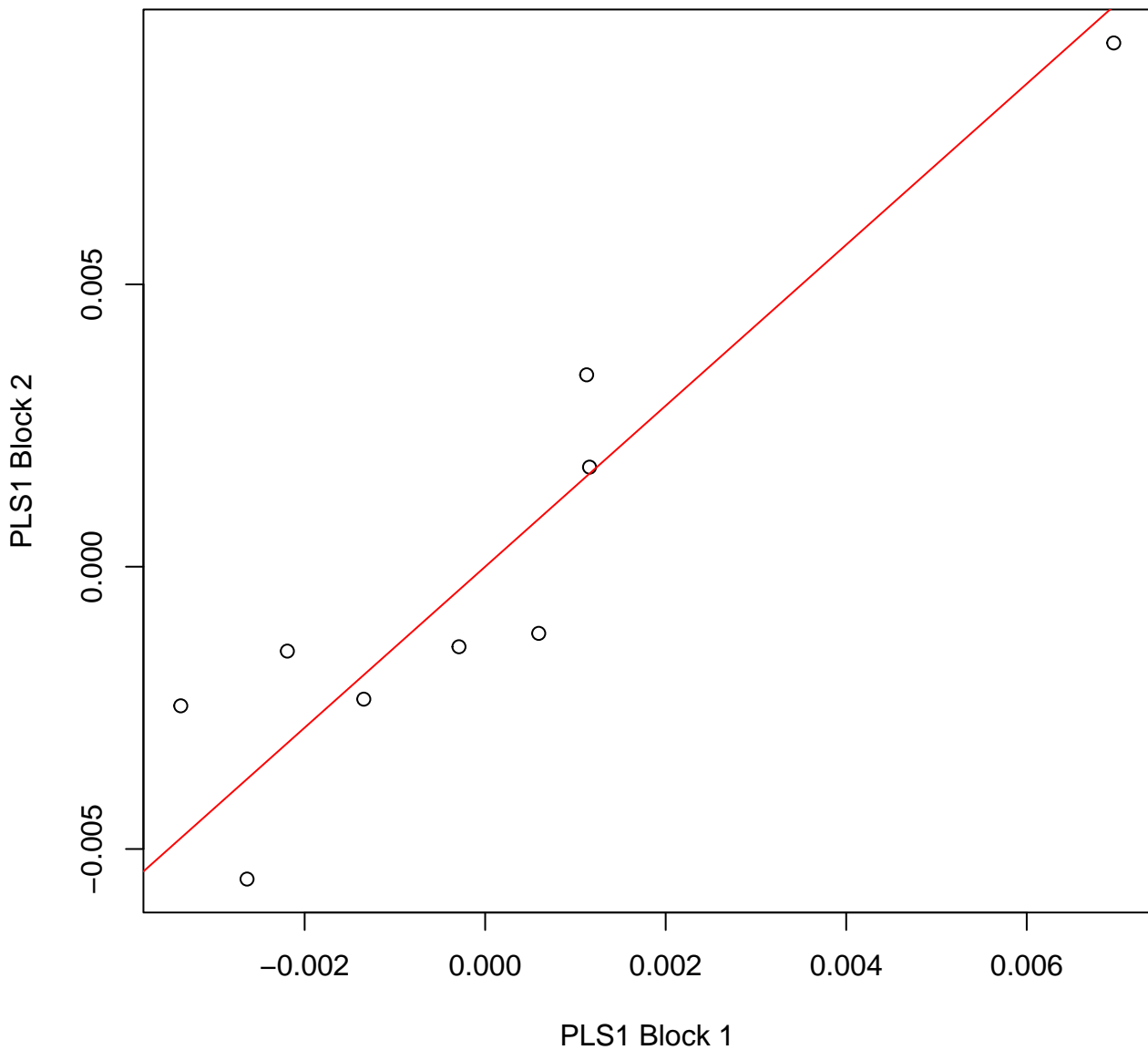




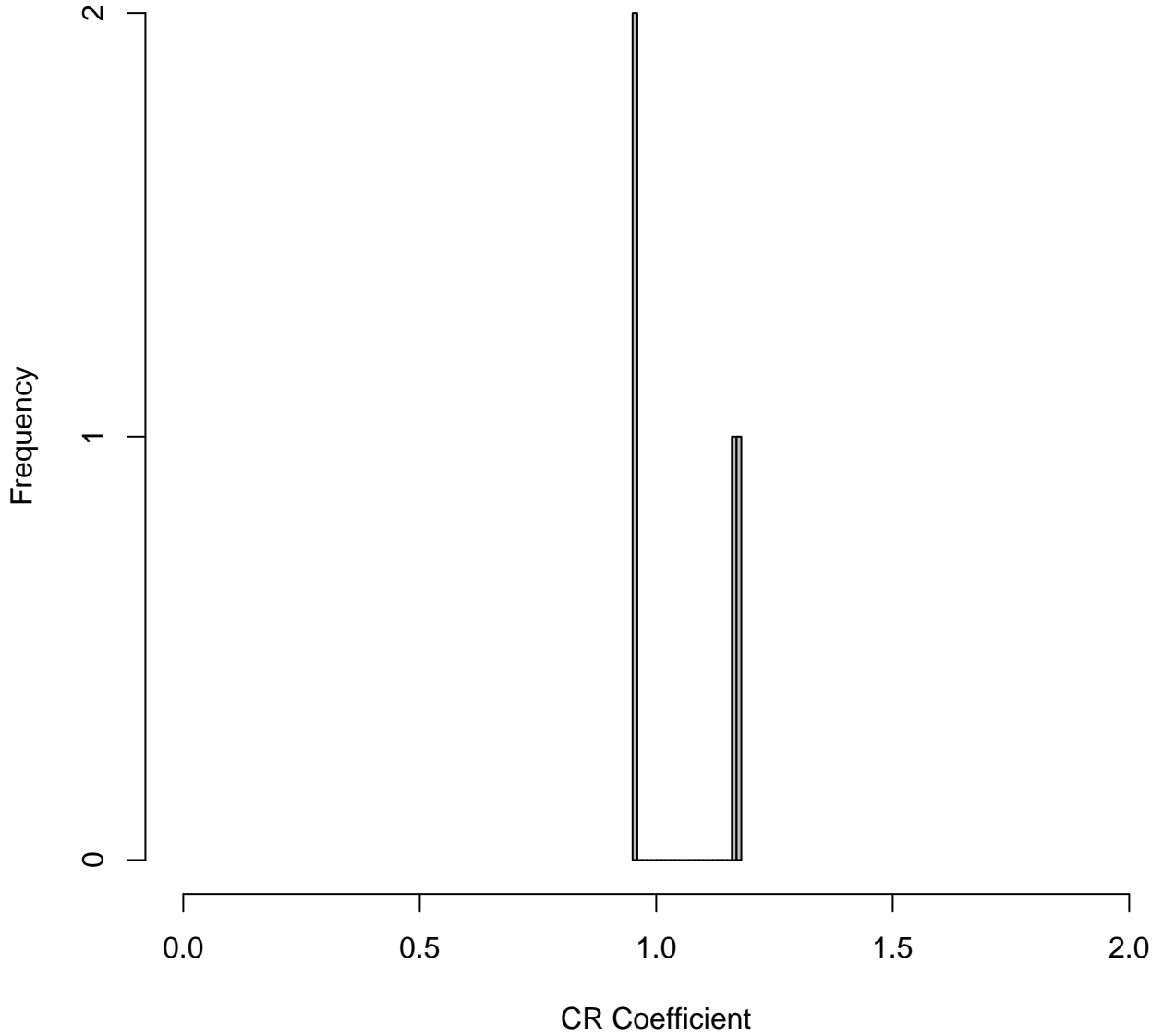
Observed CR = 0.9 ; P-value = 0.2

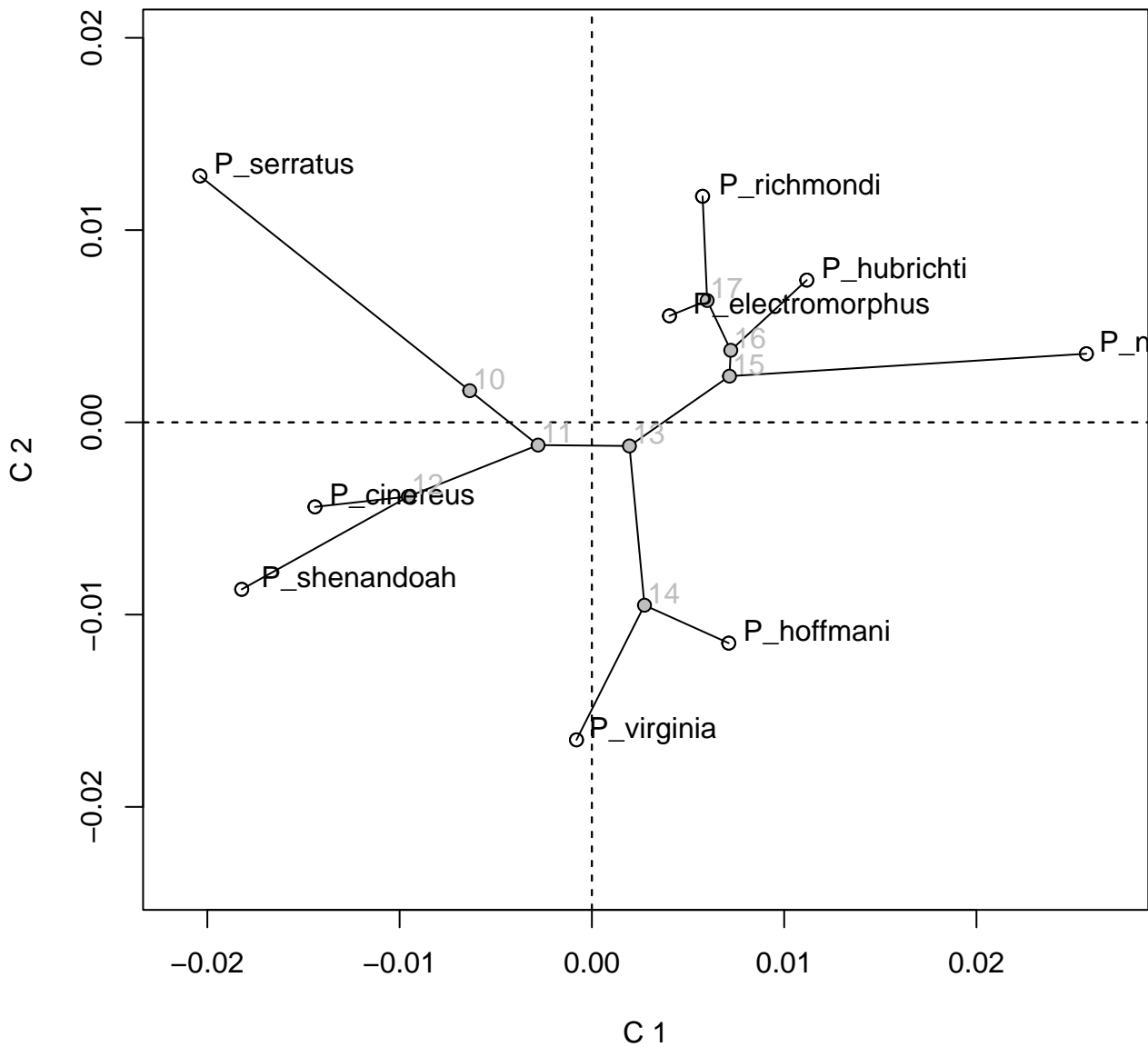


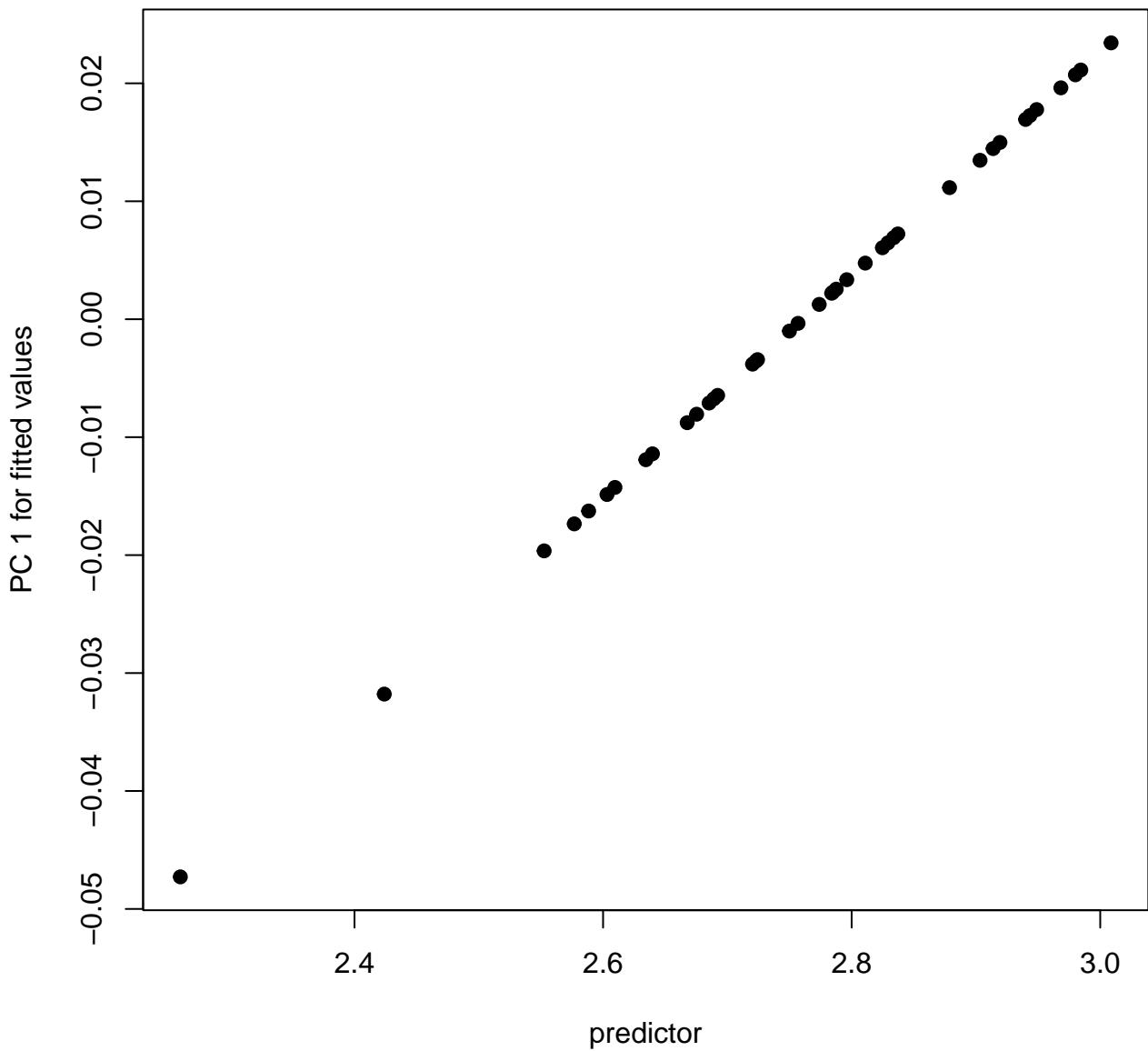
PLS1 Plot: Block 1 (X) vs. Block 2 (Y)

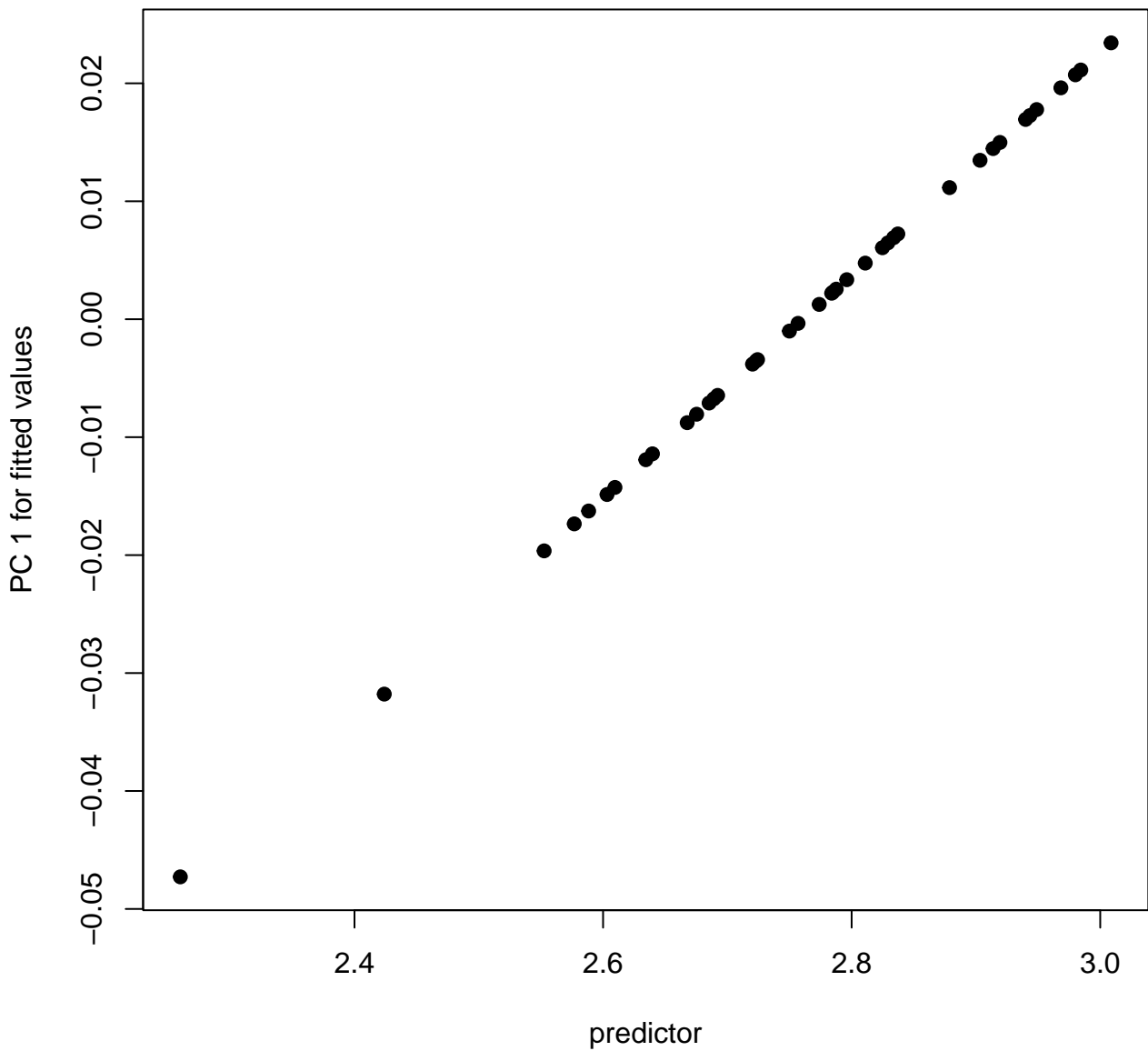


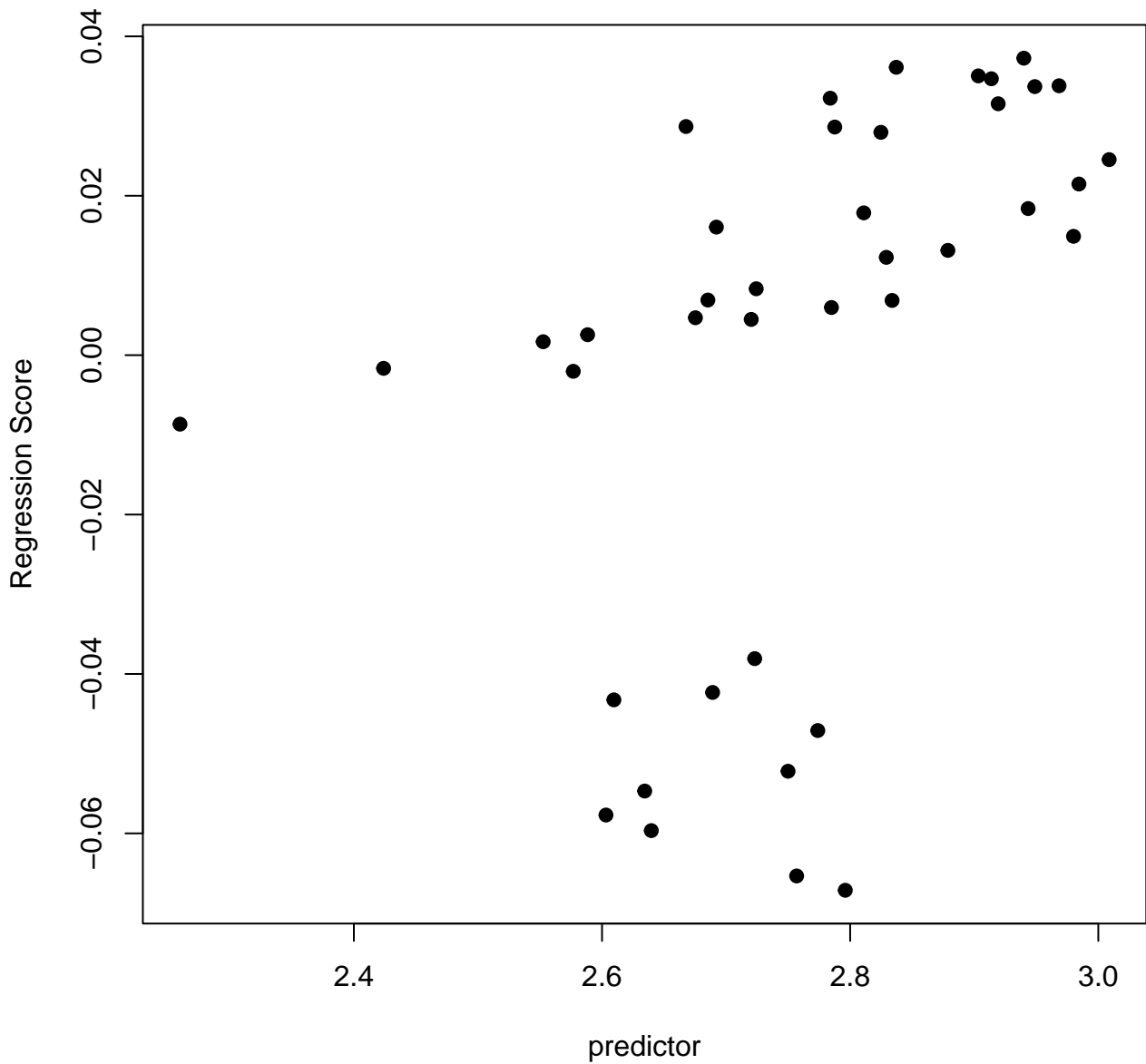
Observed CR = 1.2 ; P-value = 0.8

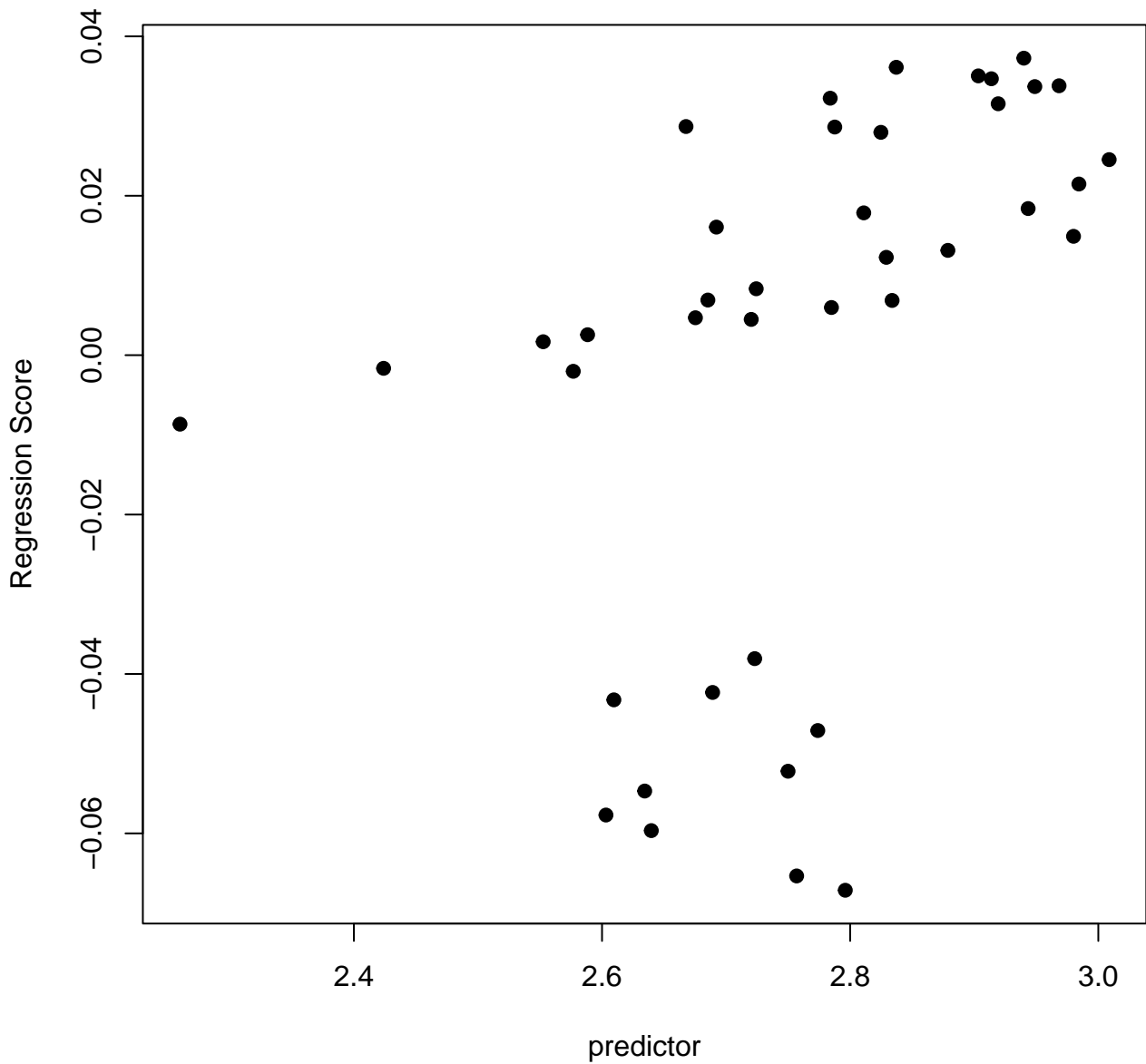




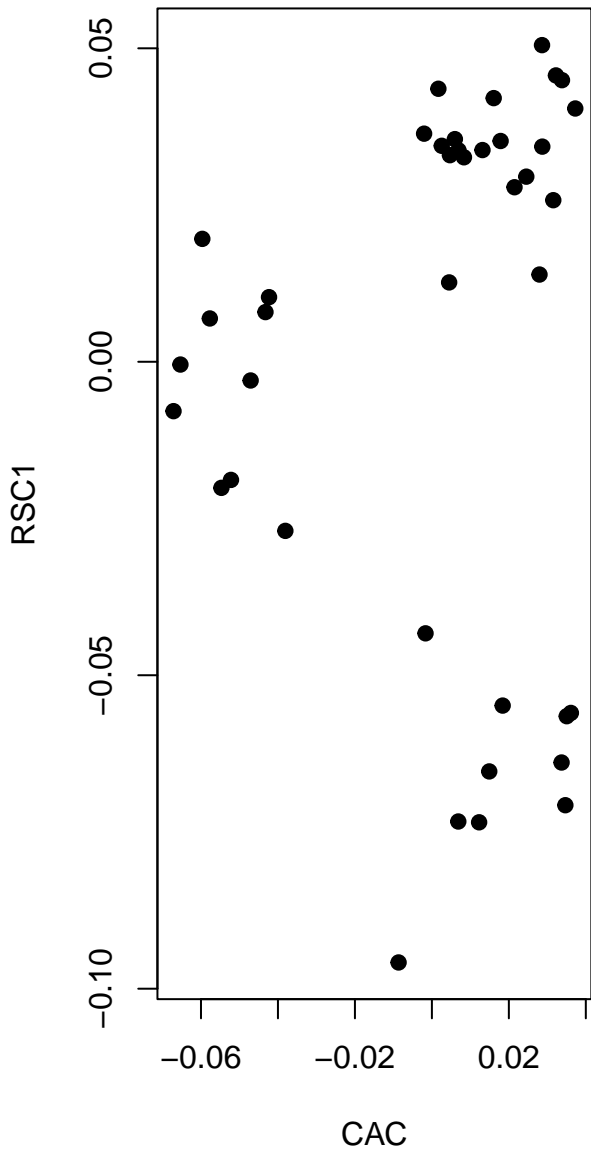
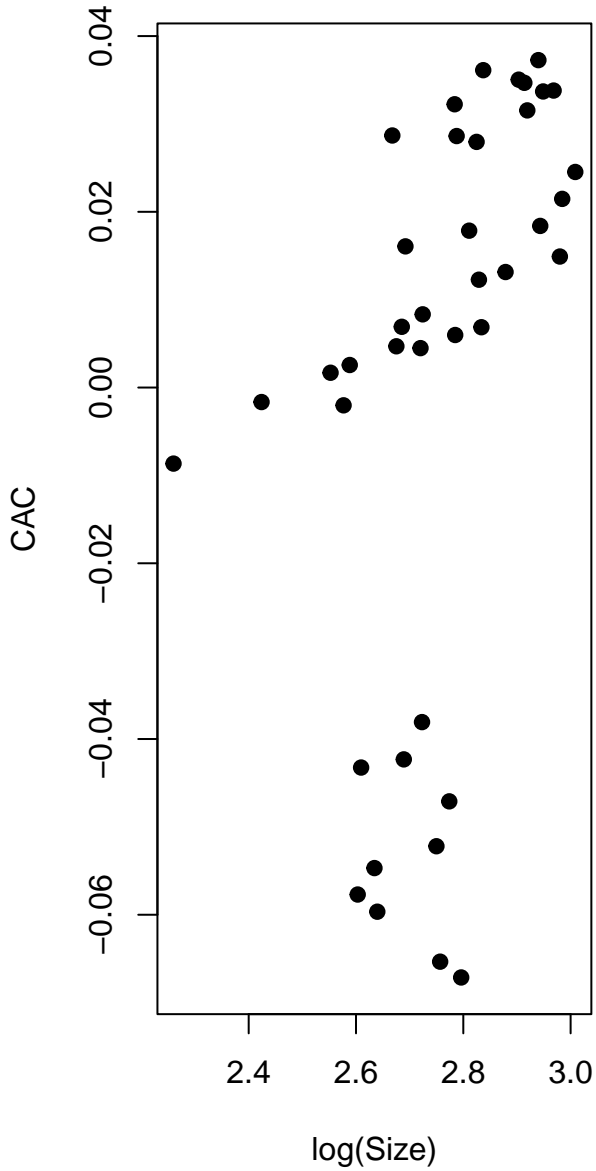




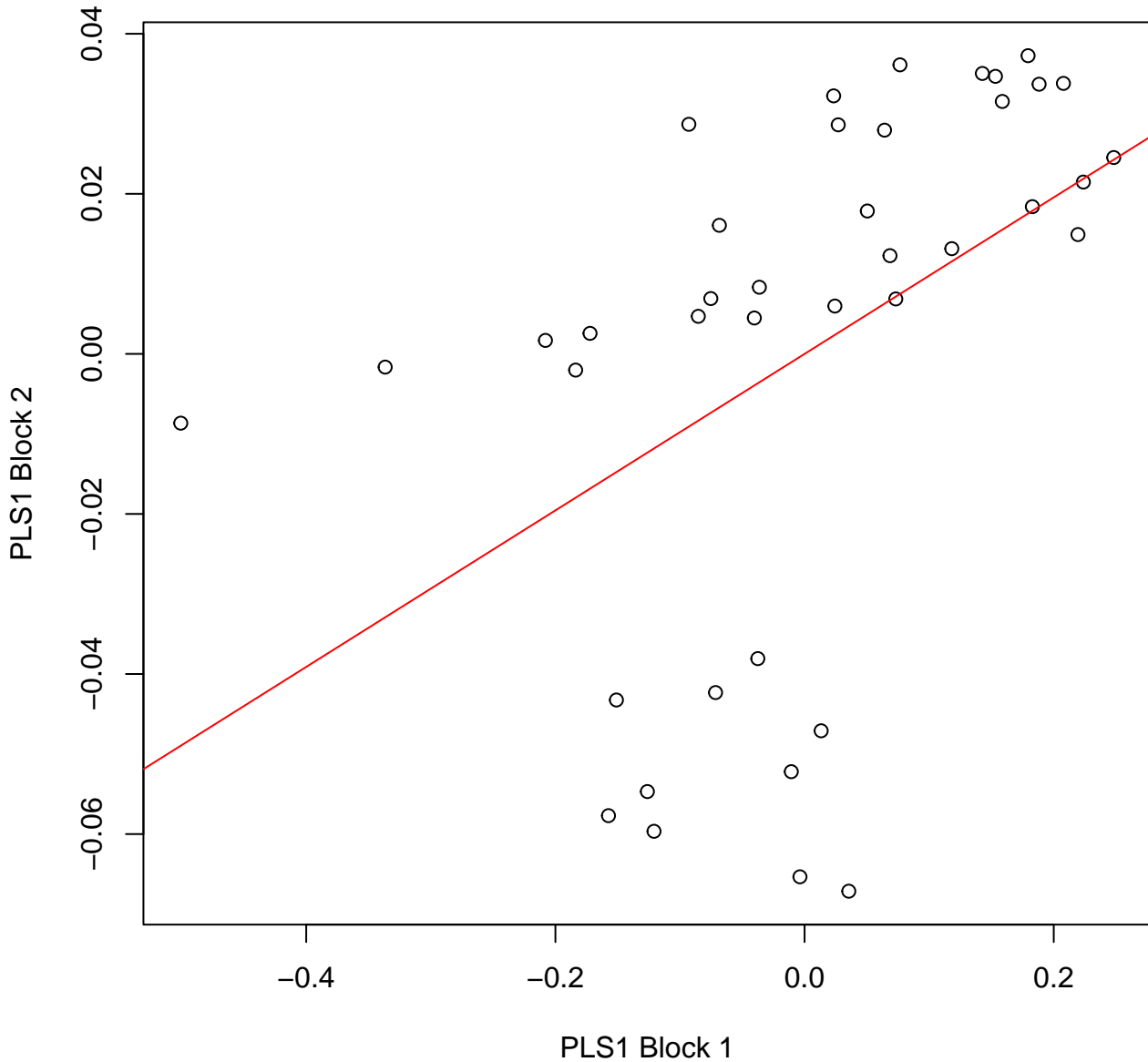


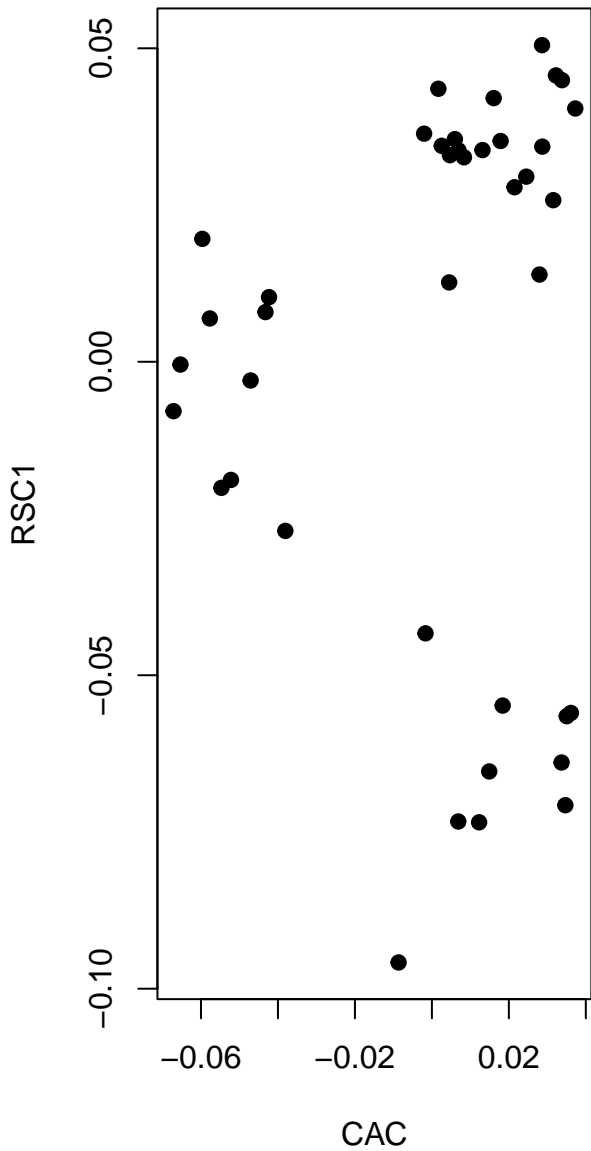
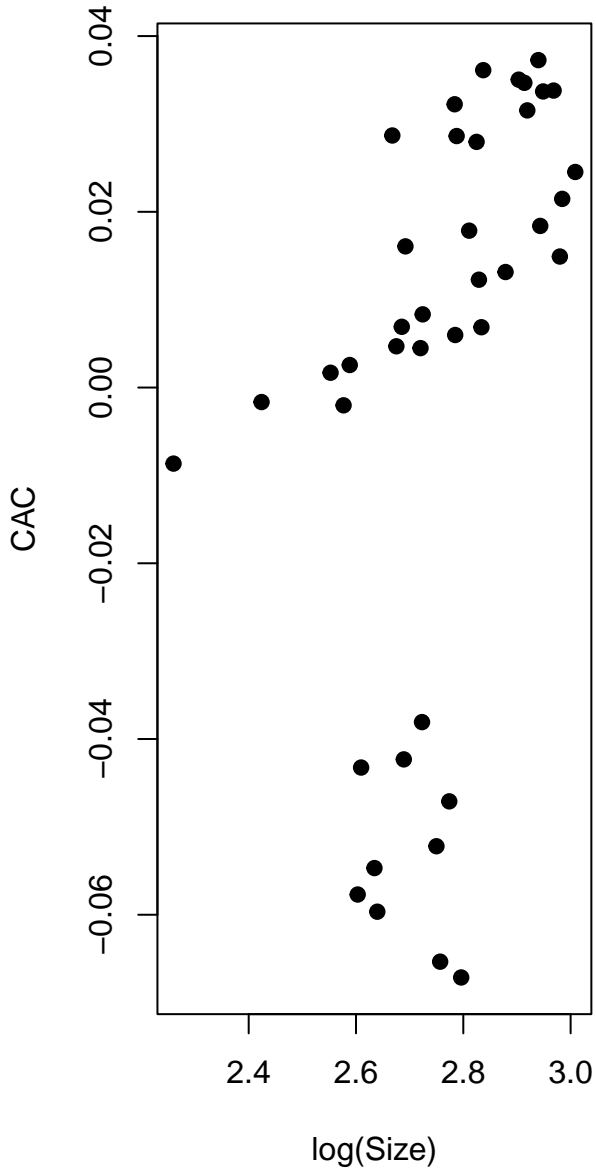


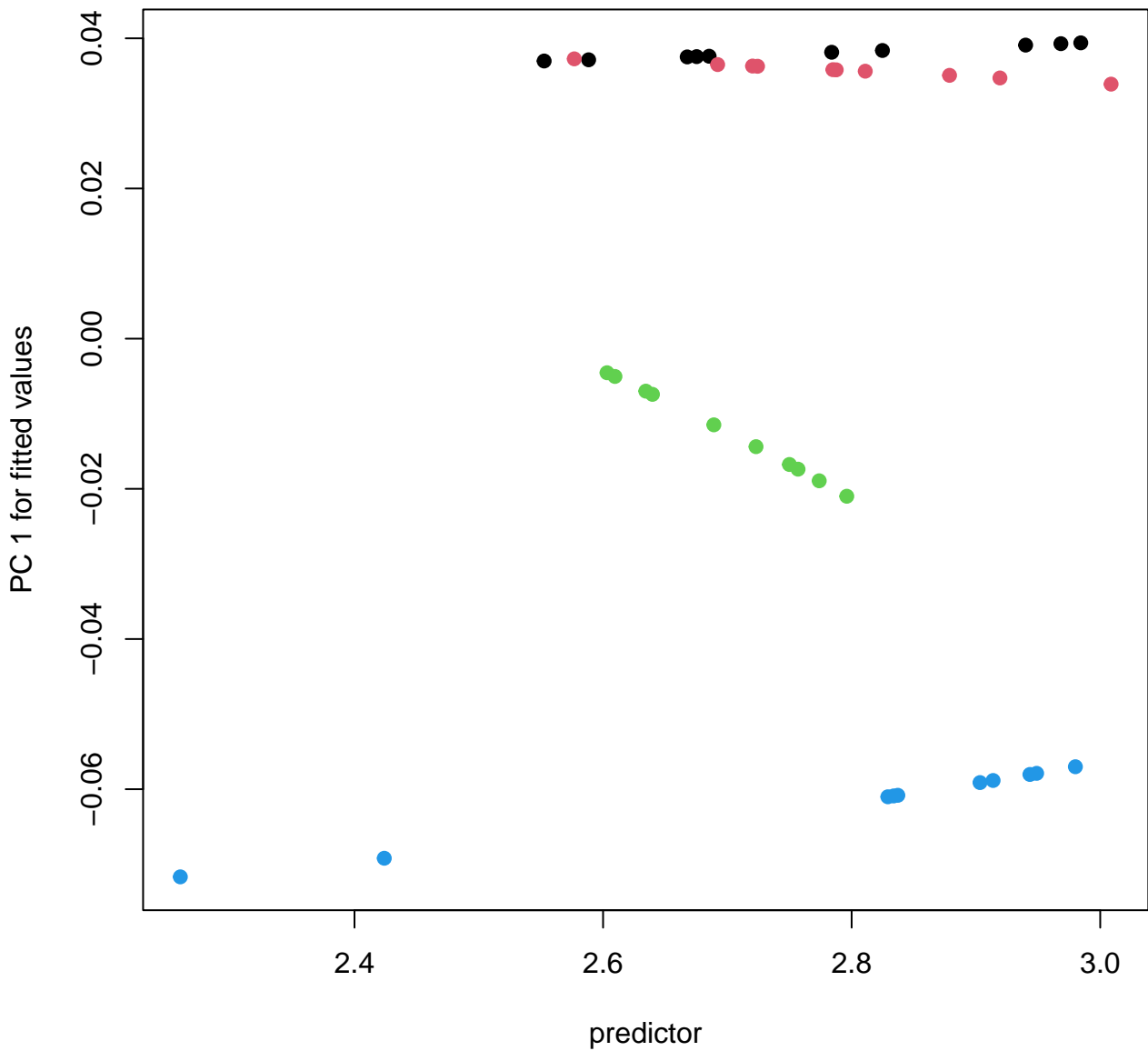


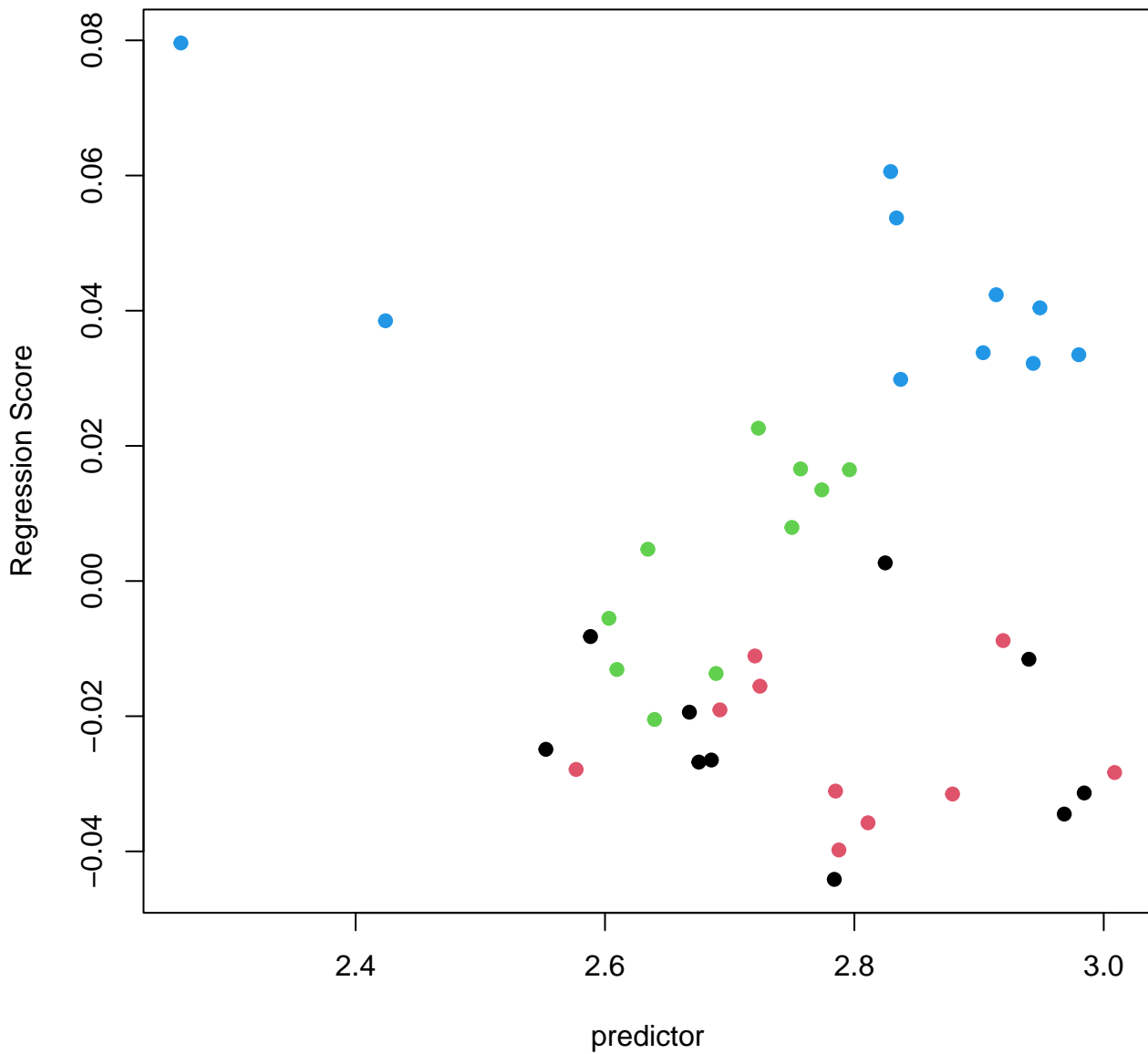


PLS1 Plot: Block 1 (X) vs. Block 2 (Y)

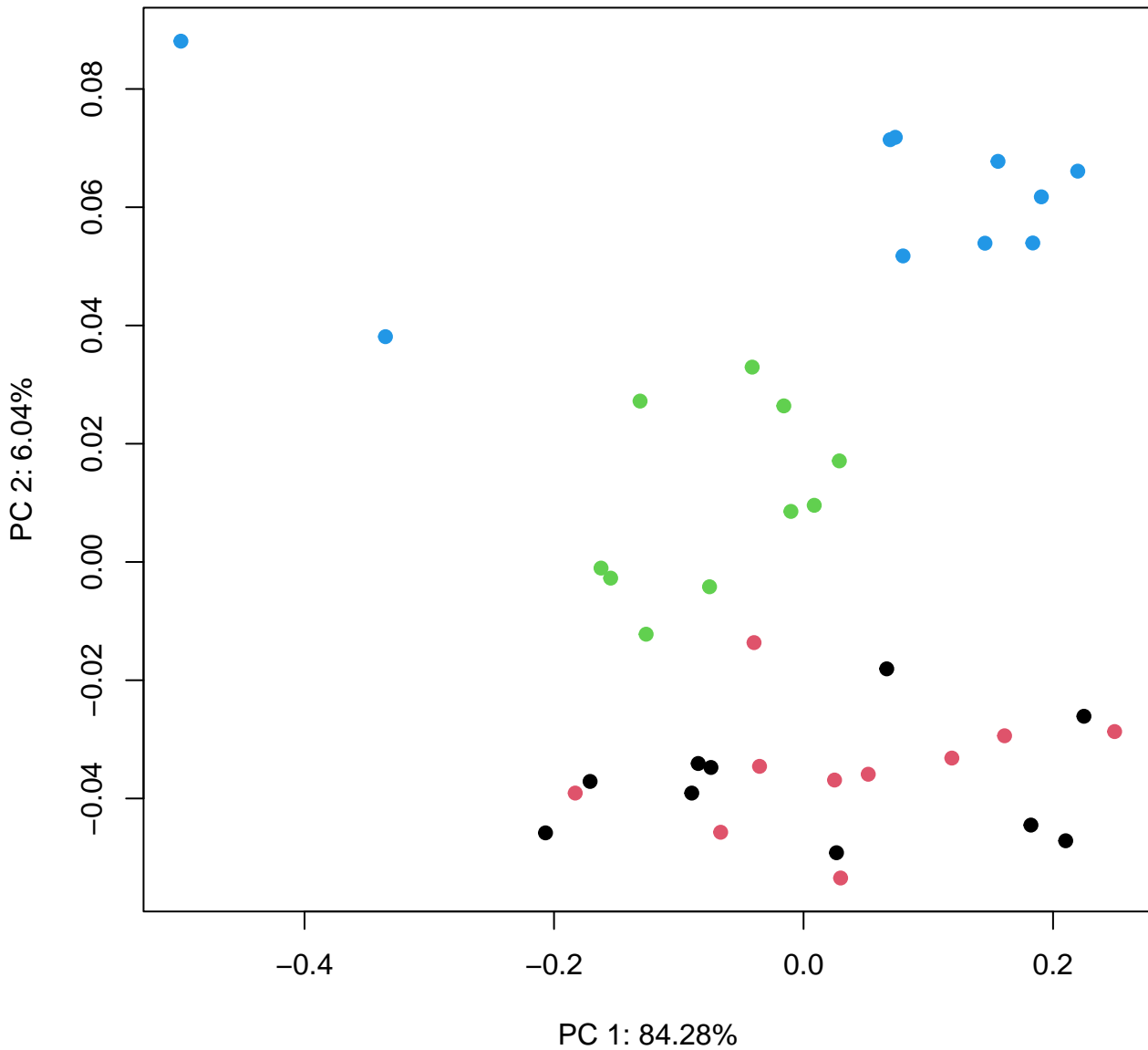


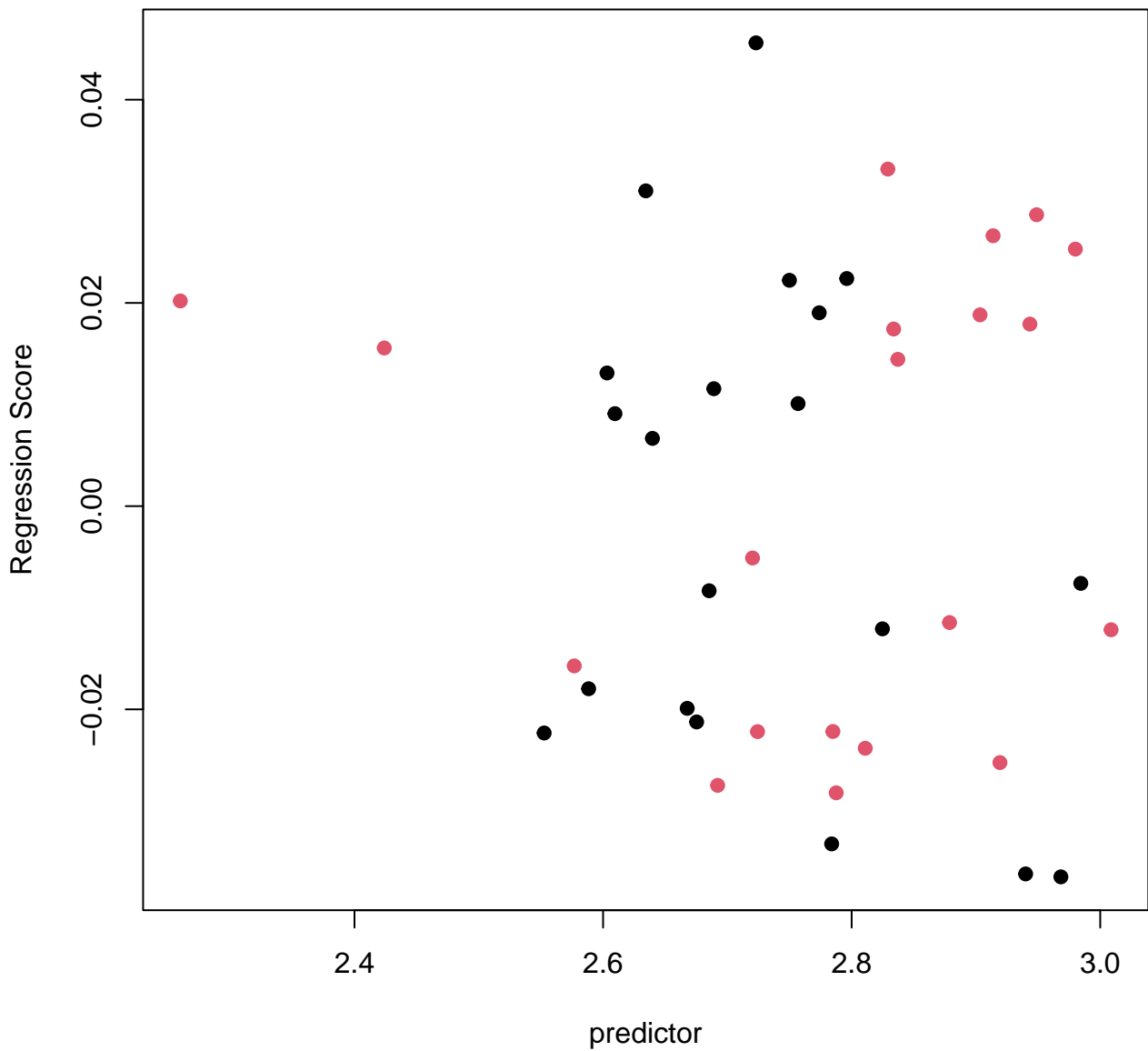


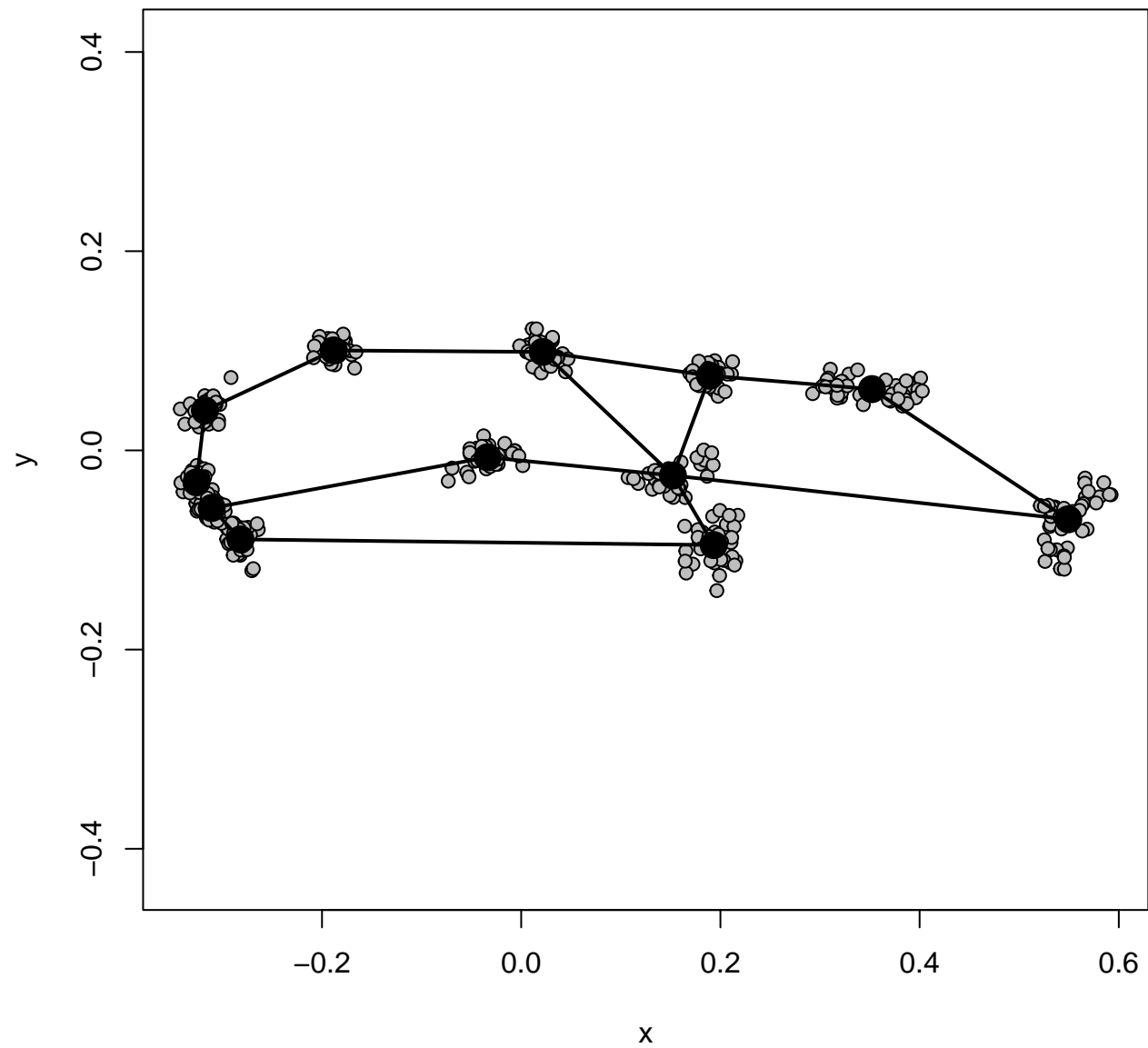




Size-Shape PC plot

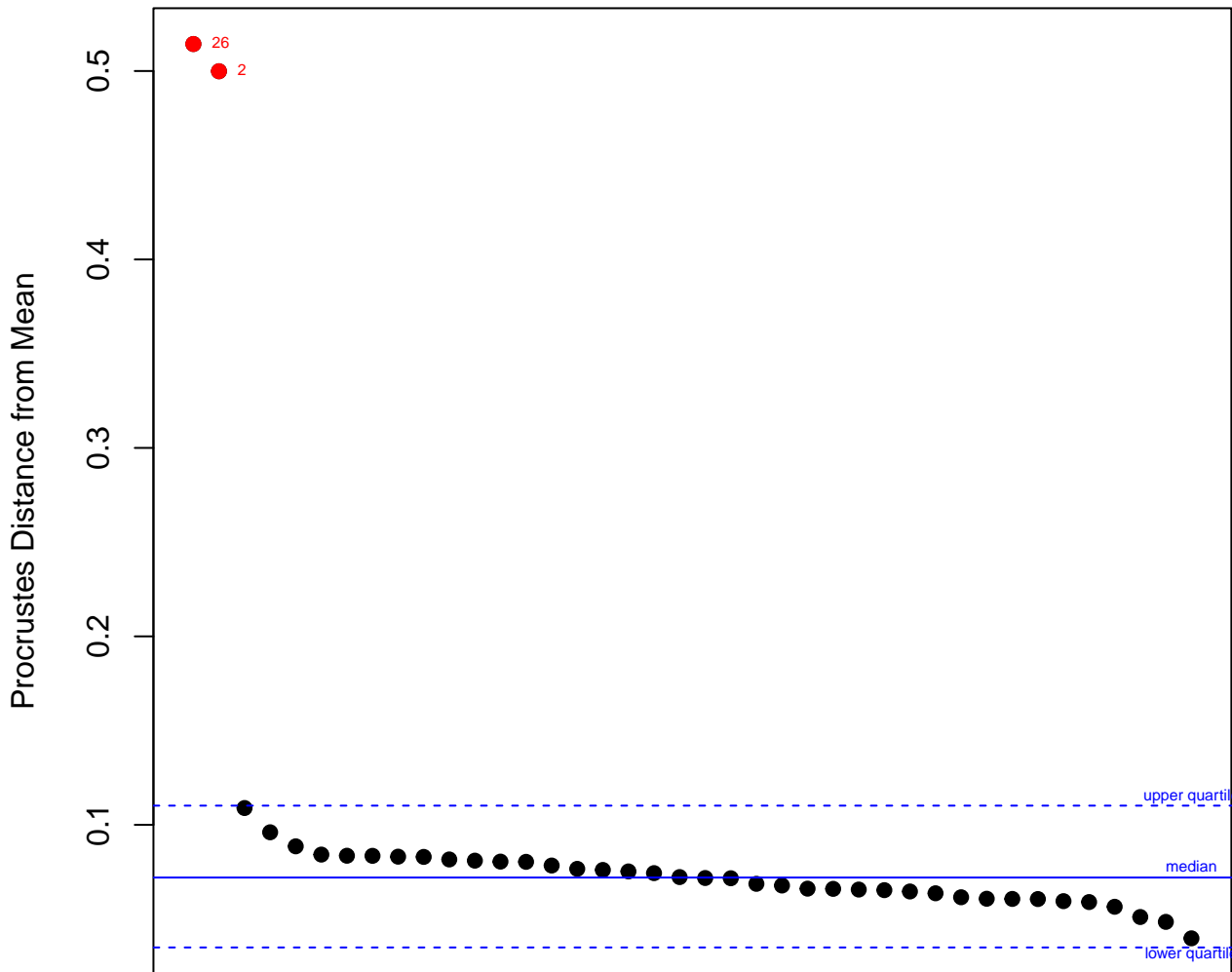




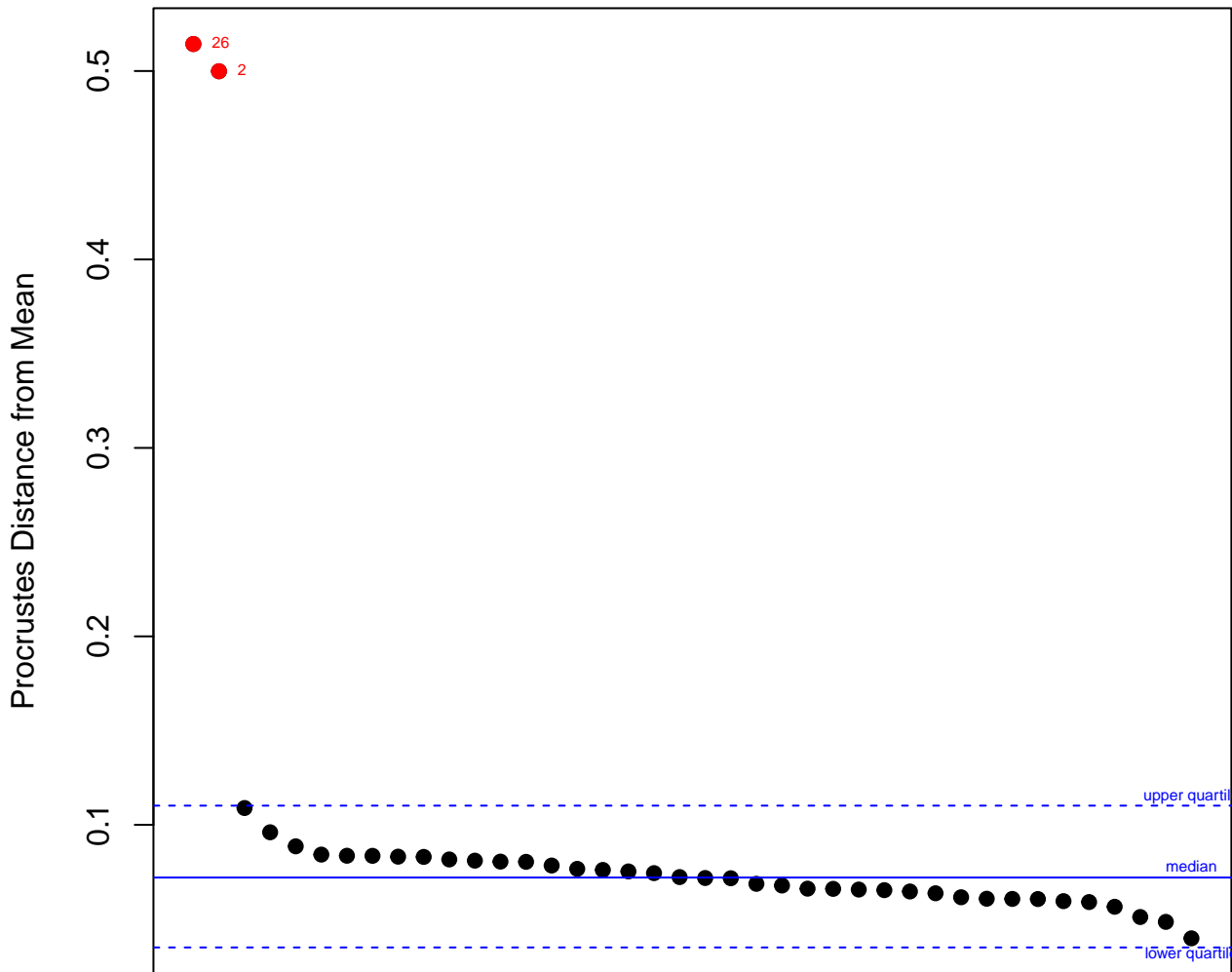




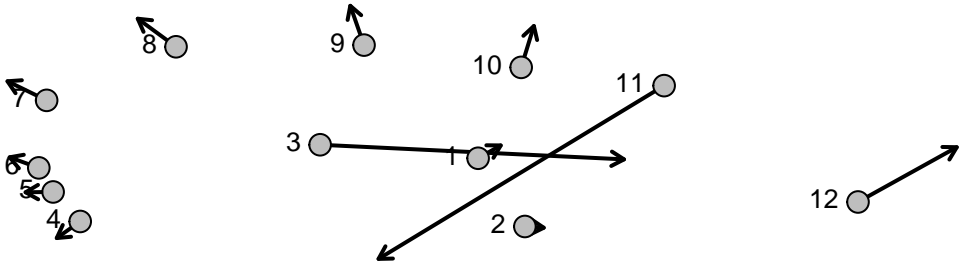
# All Specimens



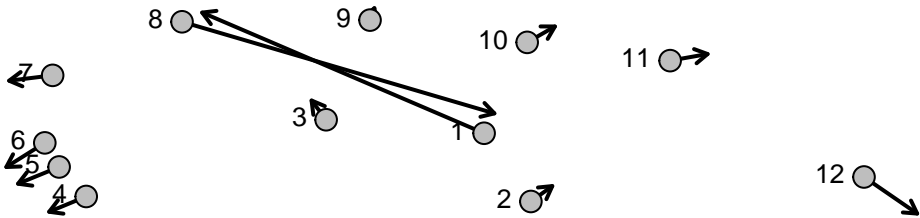
# All Specimens



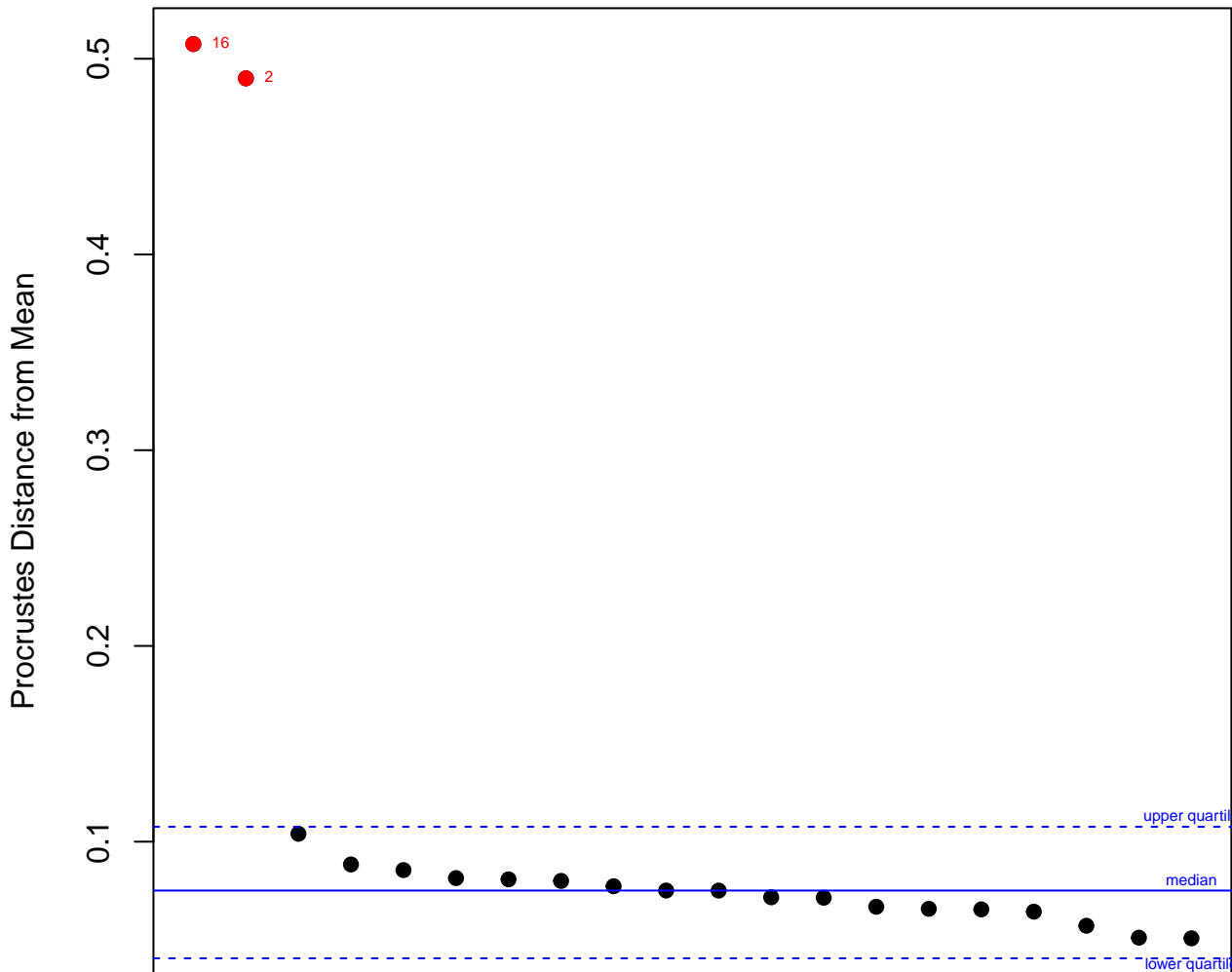
group: All Specimens, specimen: 26



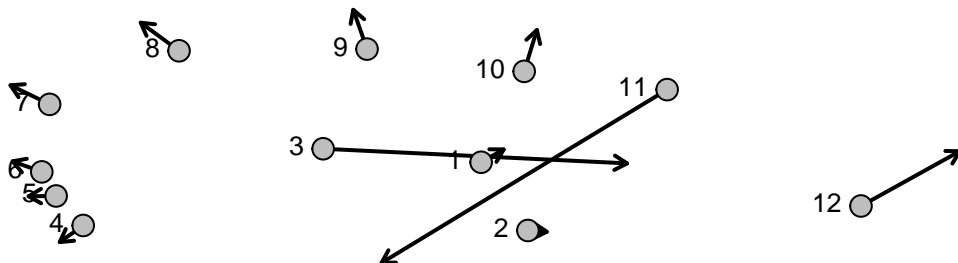
group: All Specimens, specimen: 2



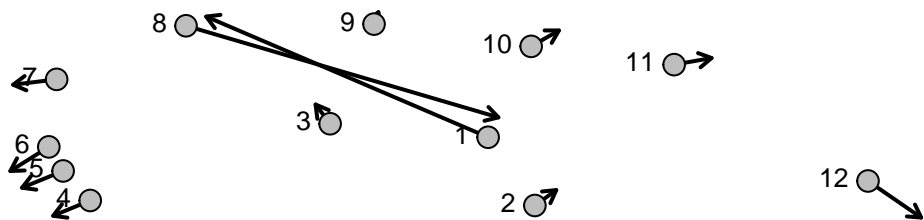
# Jord



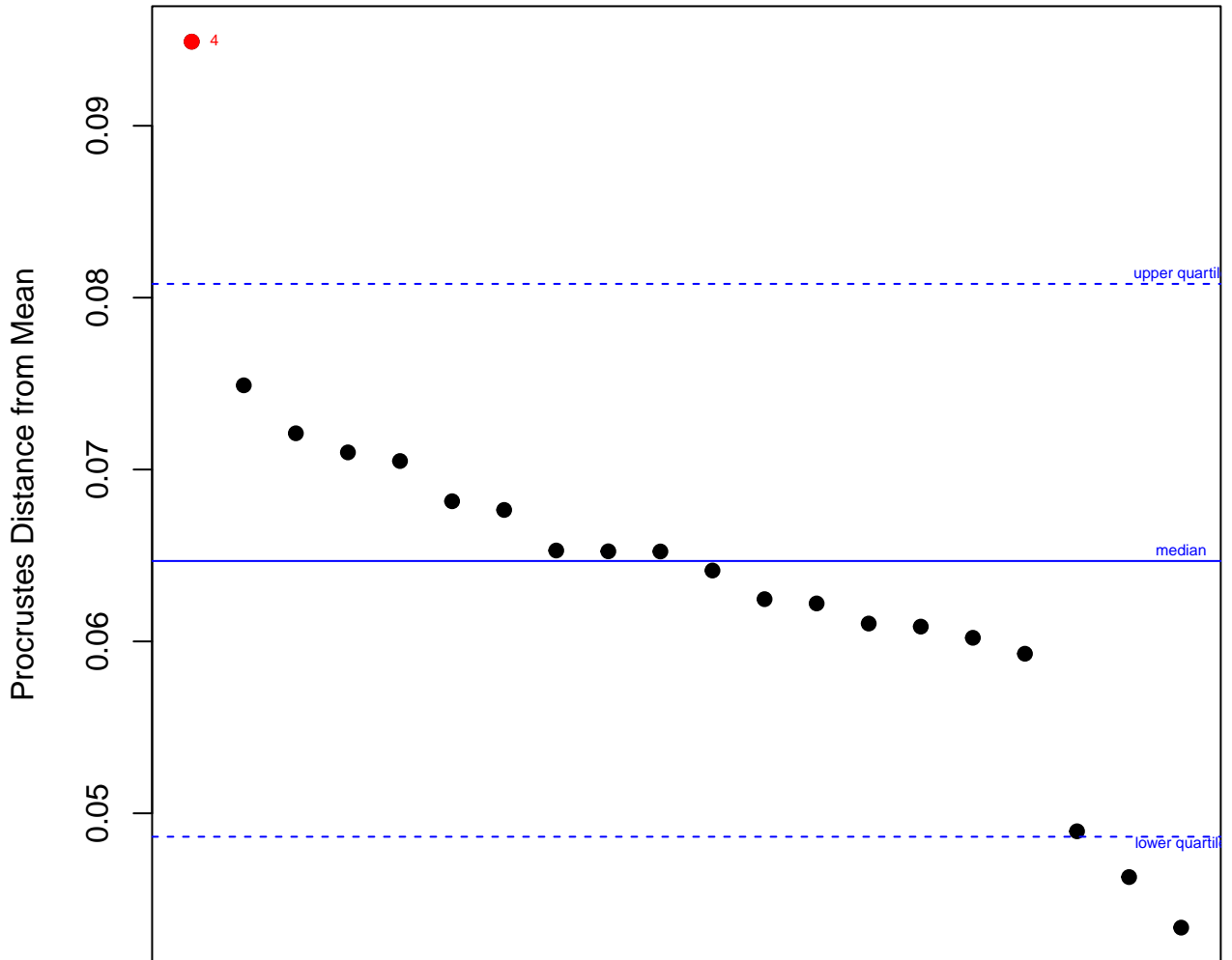
group: Jord, specimen: 16



group: Jord, specimen: 2

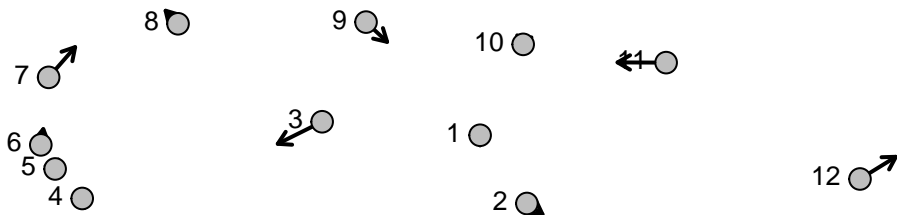


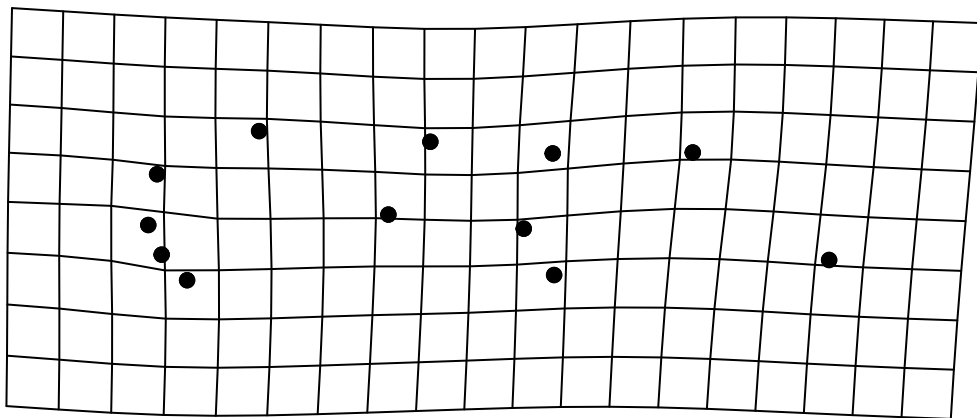
# Teyah

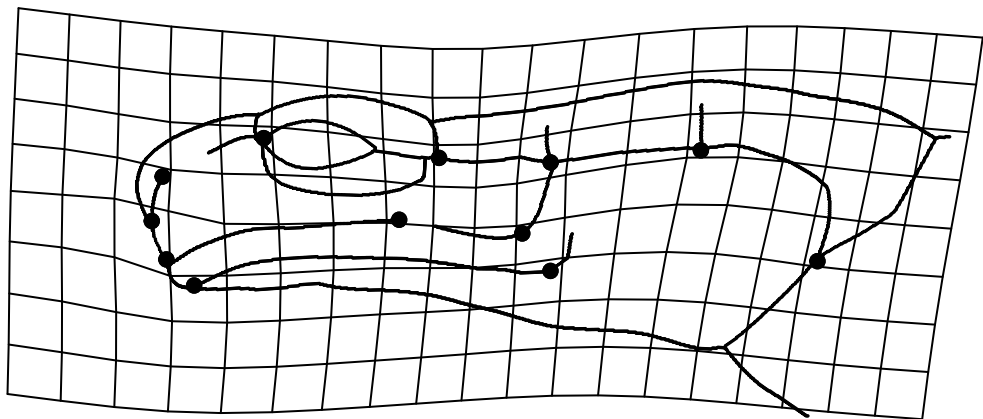


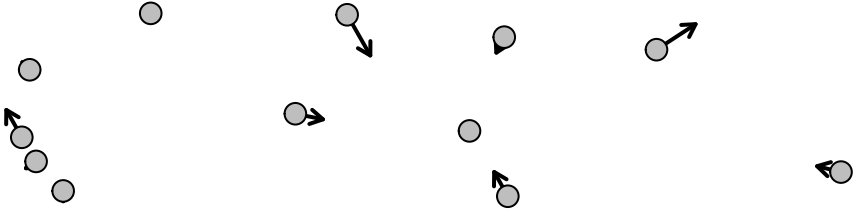


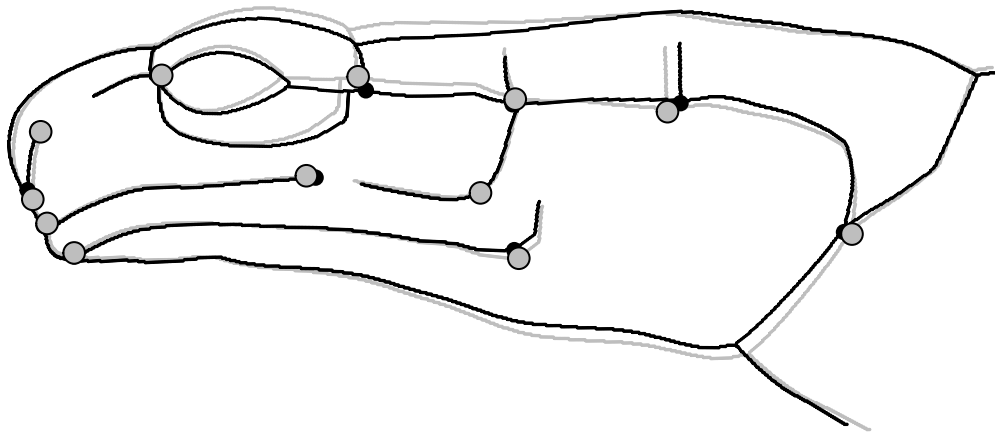
group: Teyah, specimen: 4

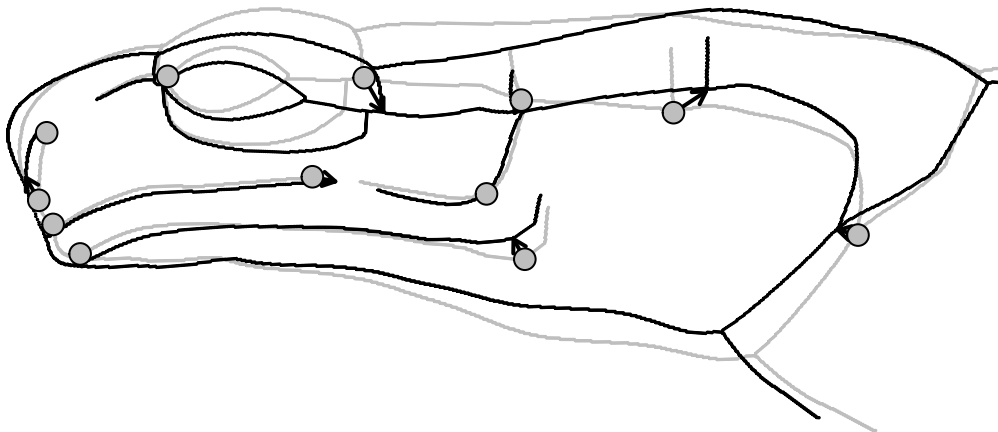


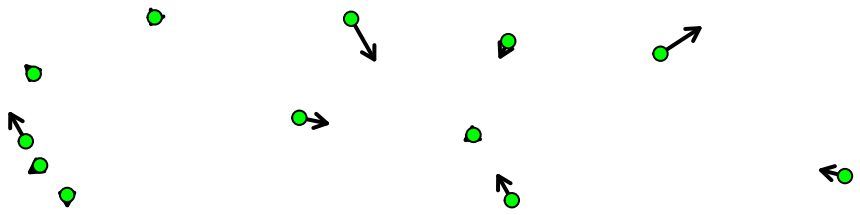




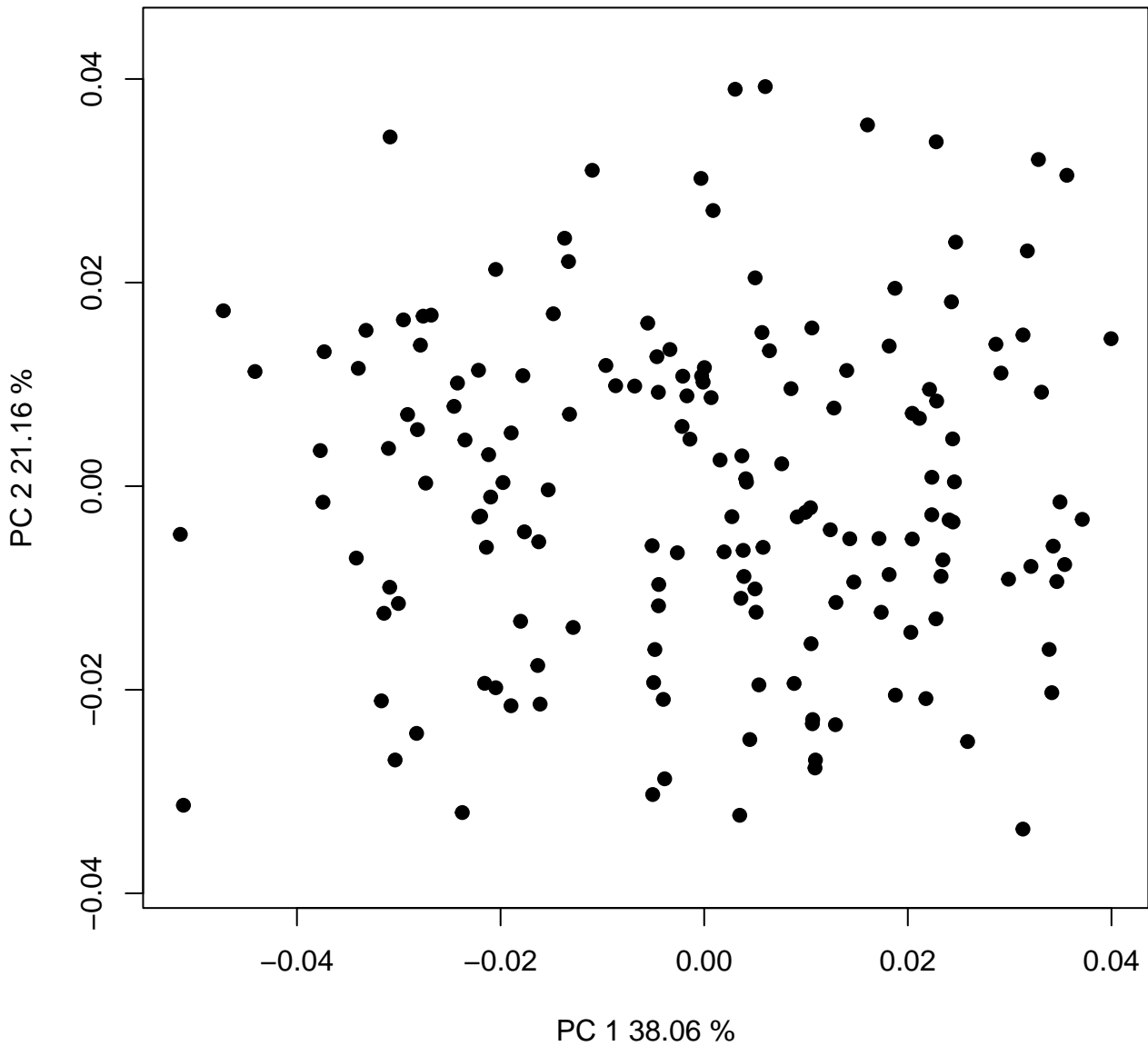






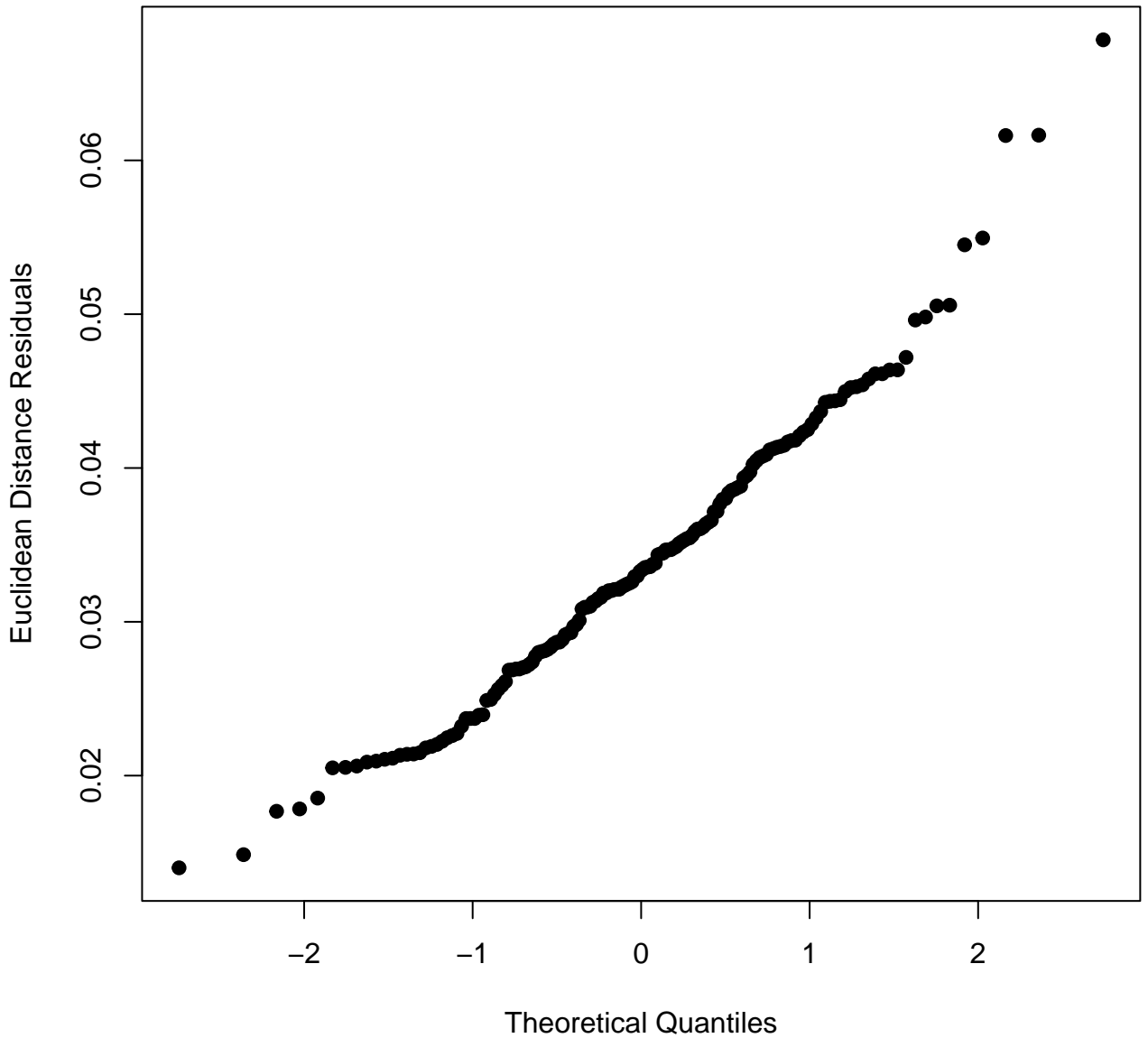


# PCA Residuals

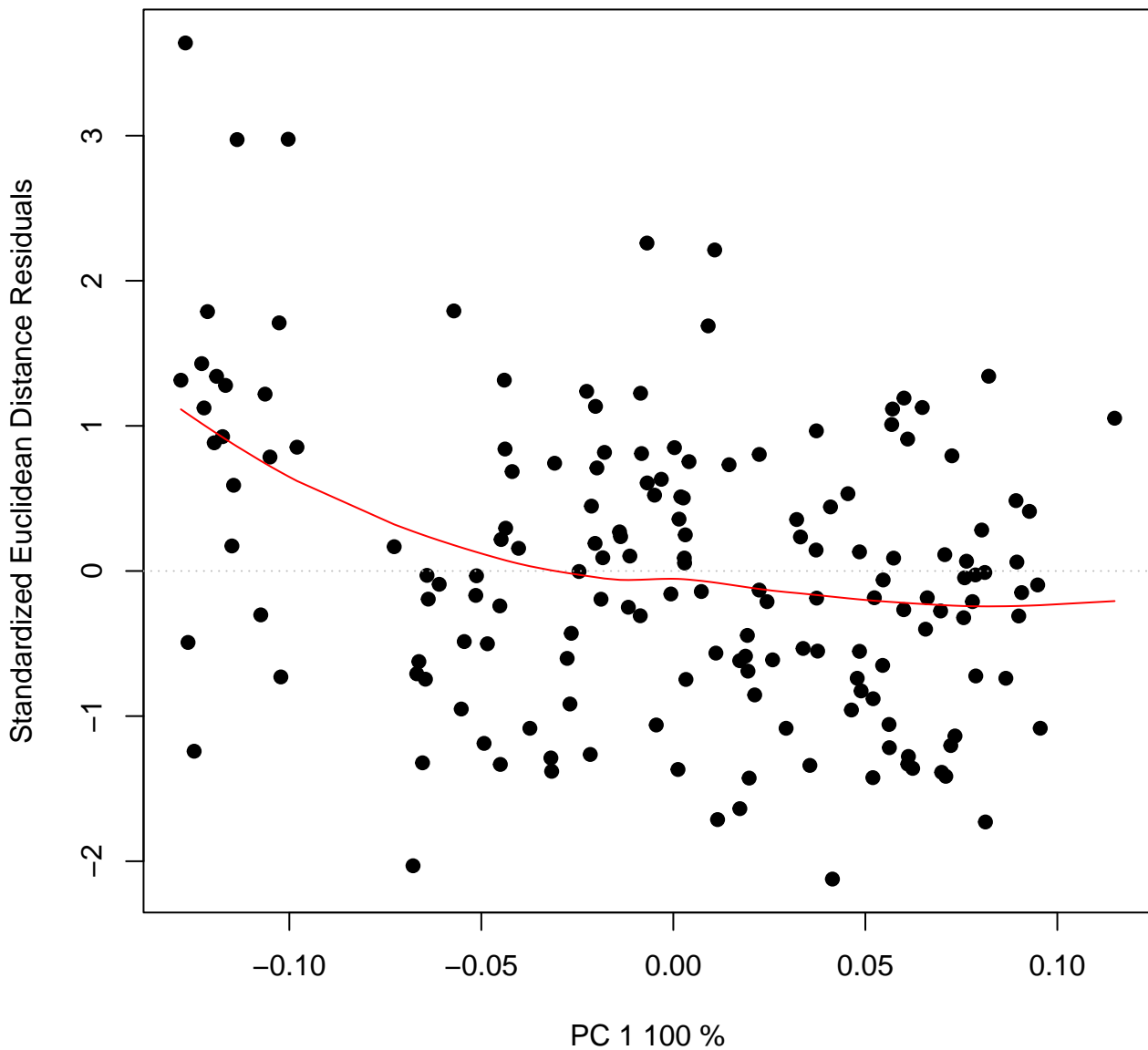




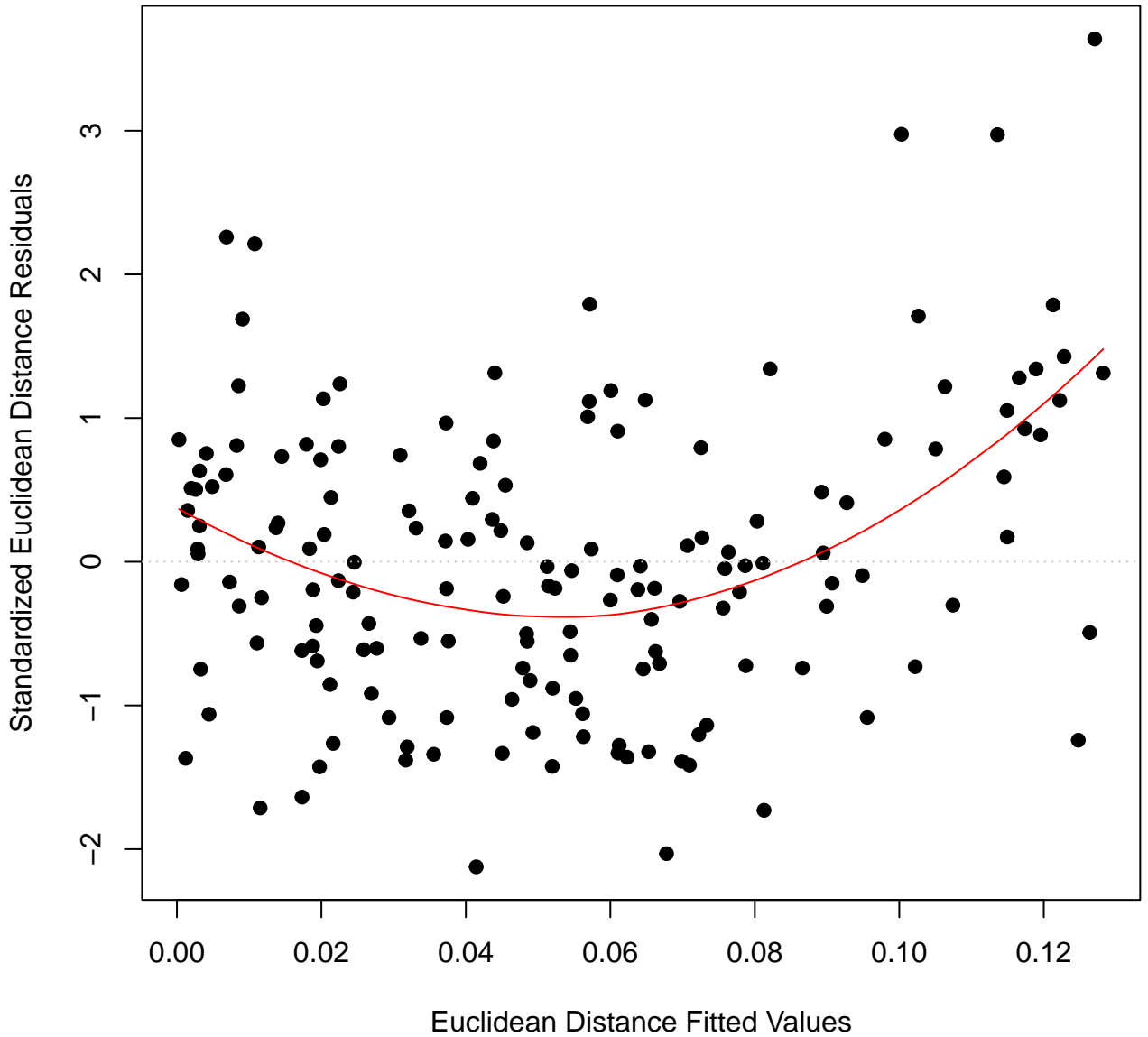
Q-Q plot



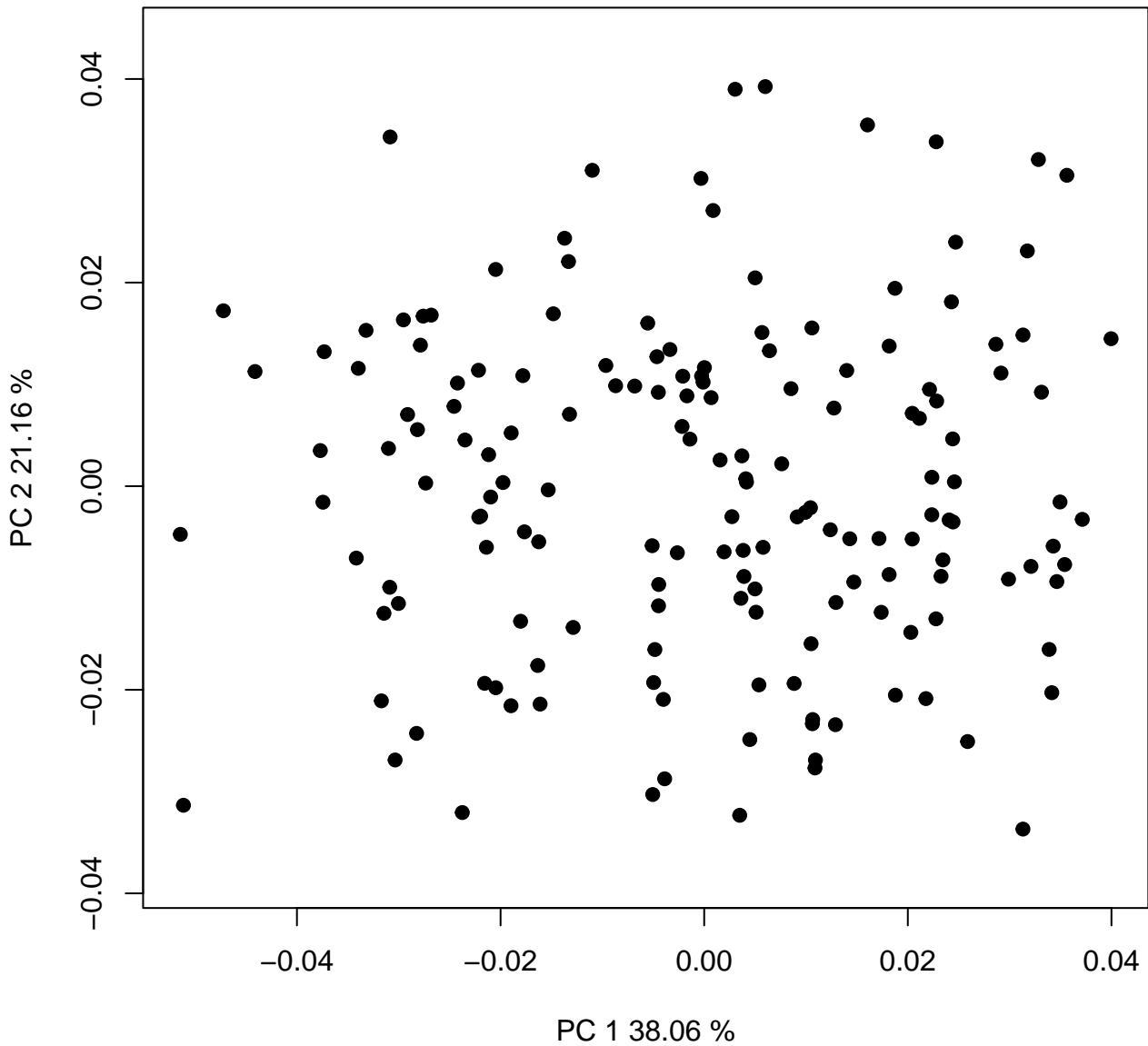
Residuals vs. PC 1 fitted



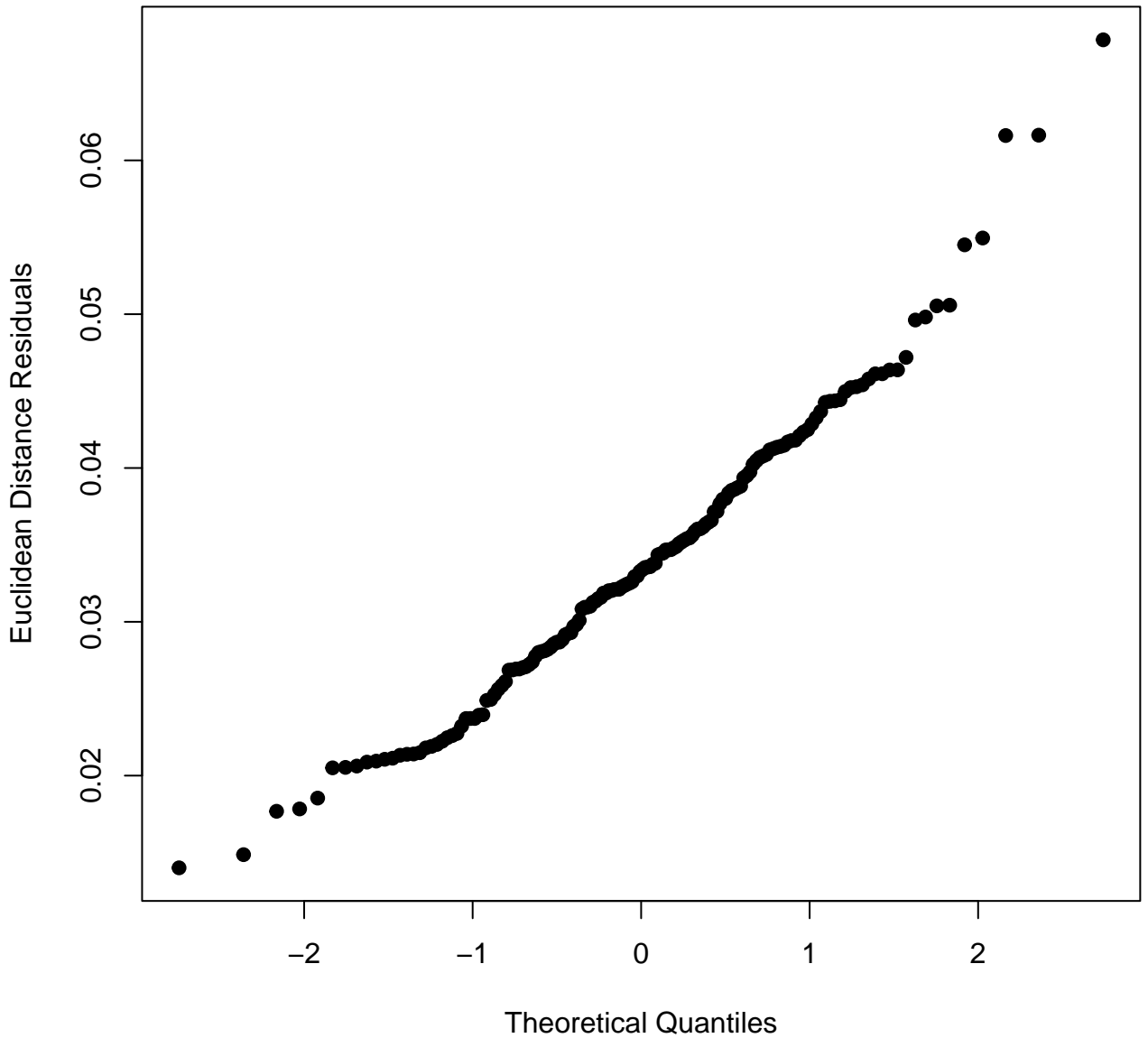
# Residuals vs. Fitted



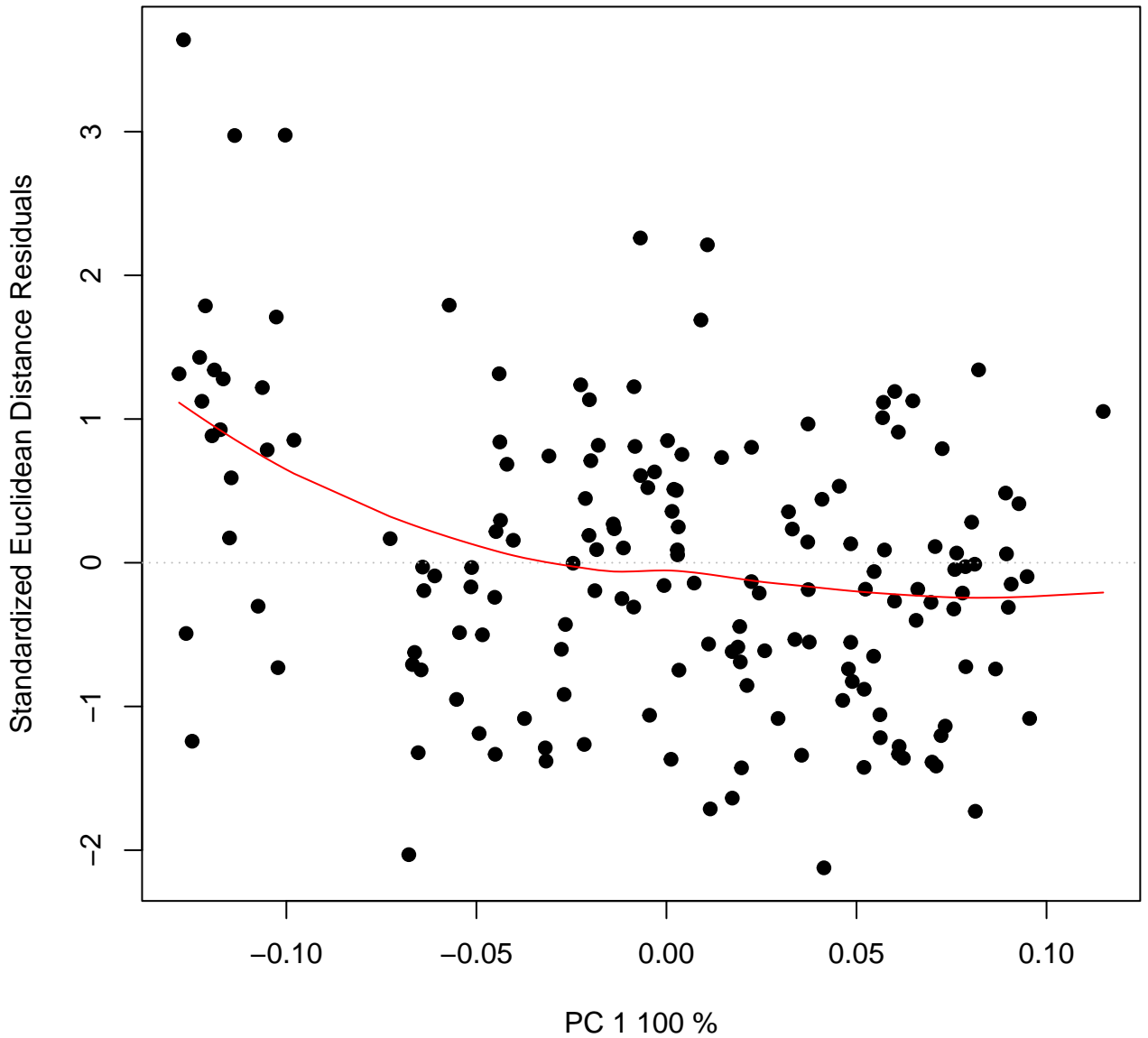
# PCA Residuals



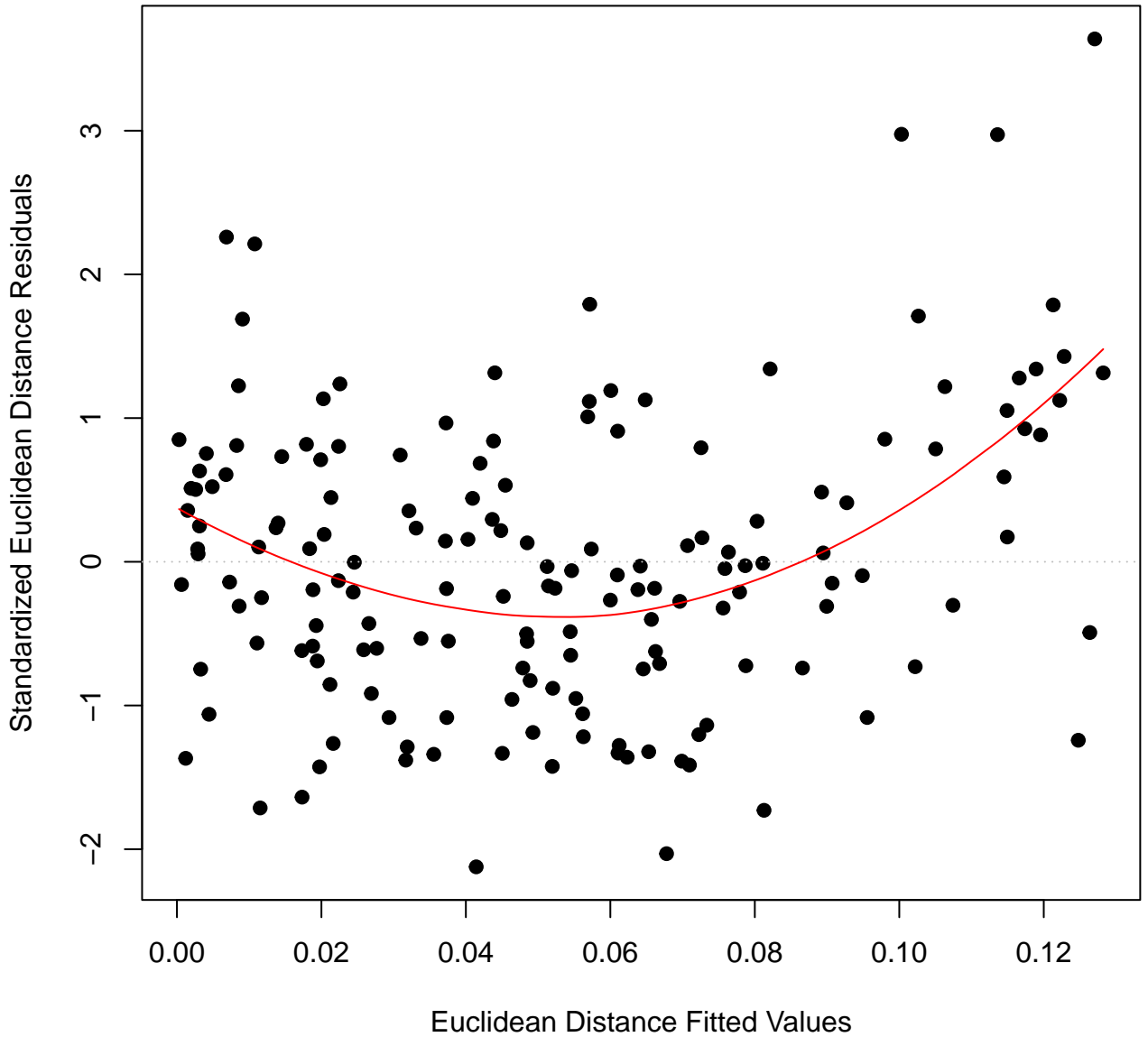
Q-Q plot



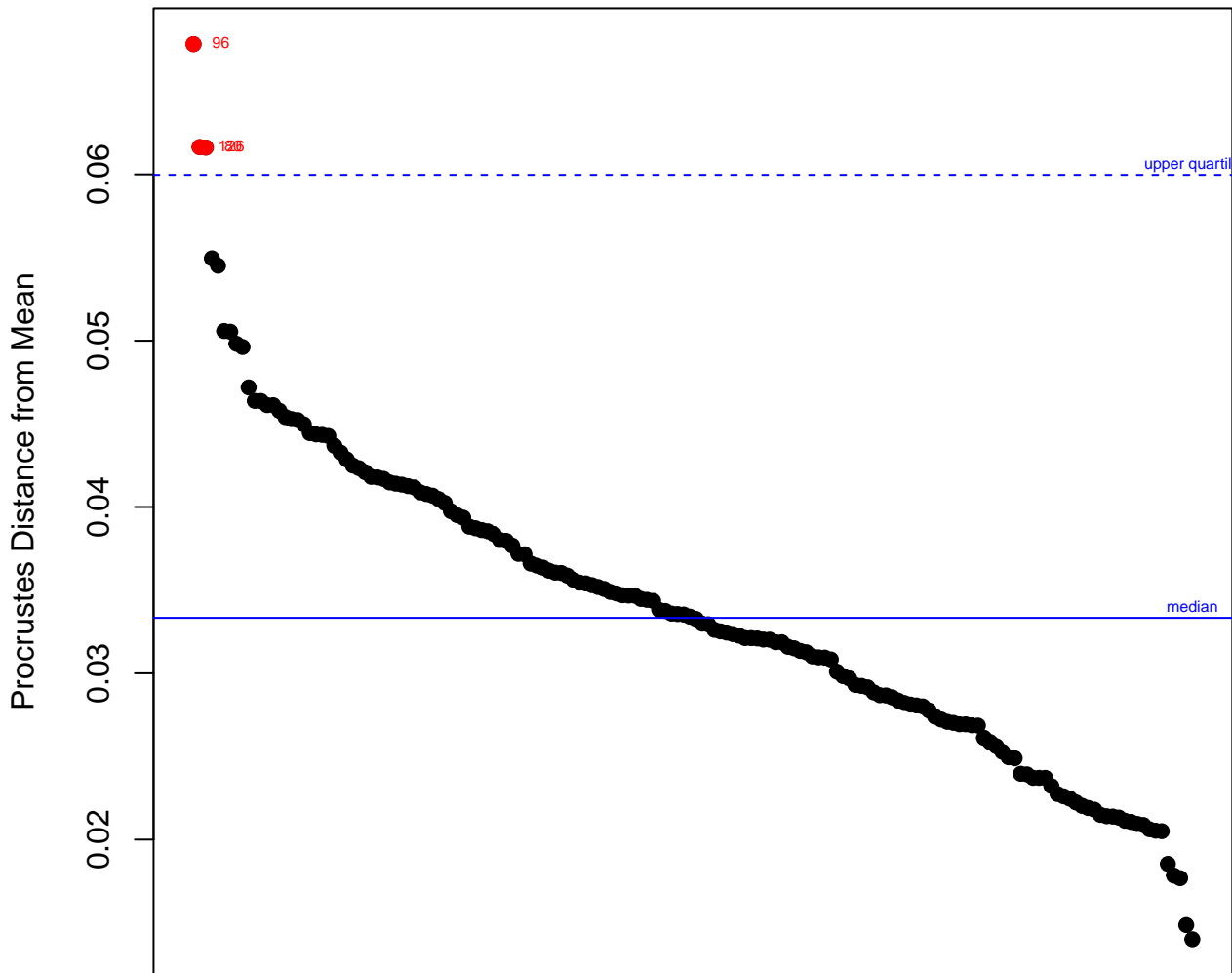
Residuals vs. PC 1 fitted



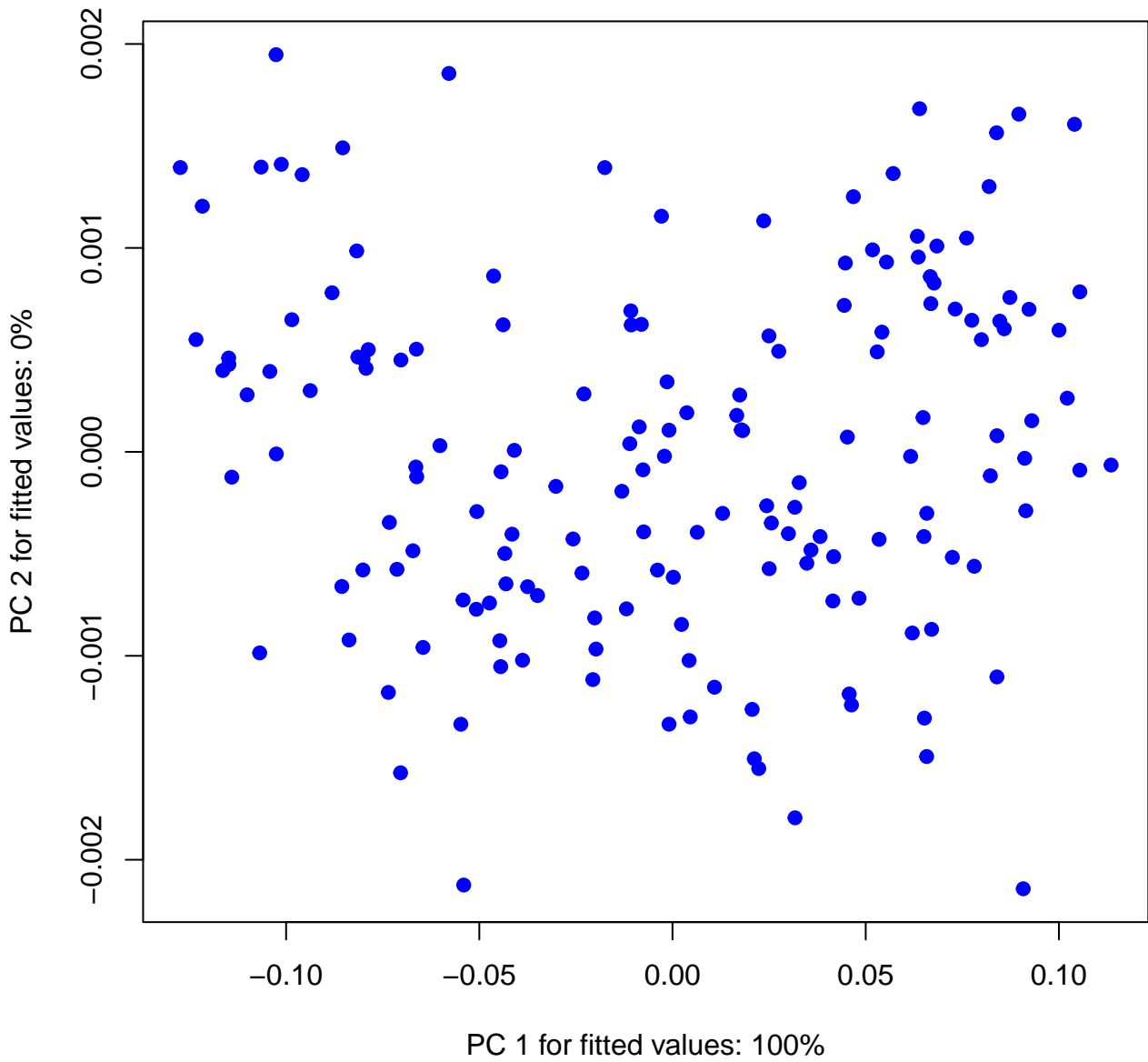
# Residuals vs. Fitted

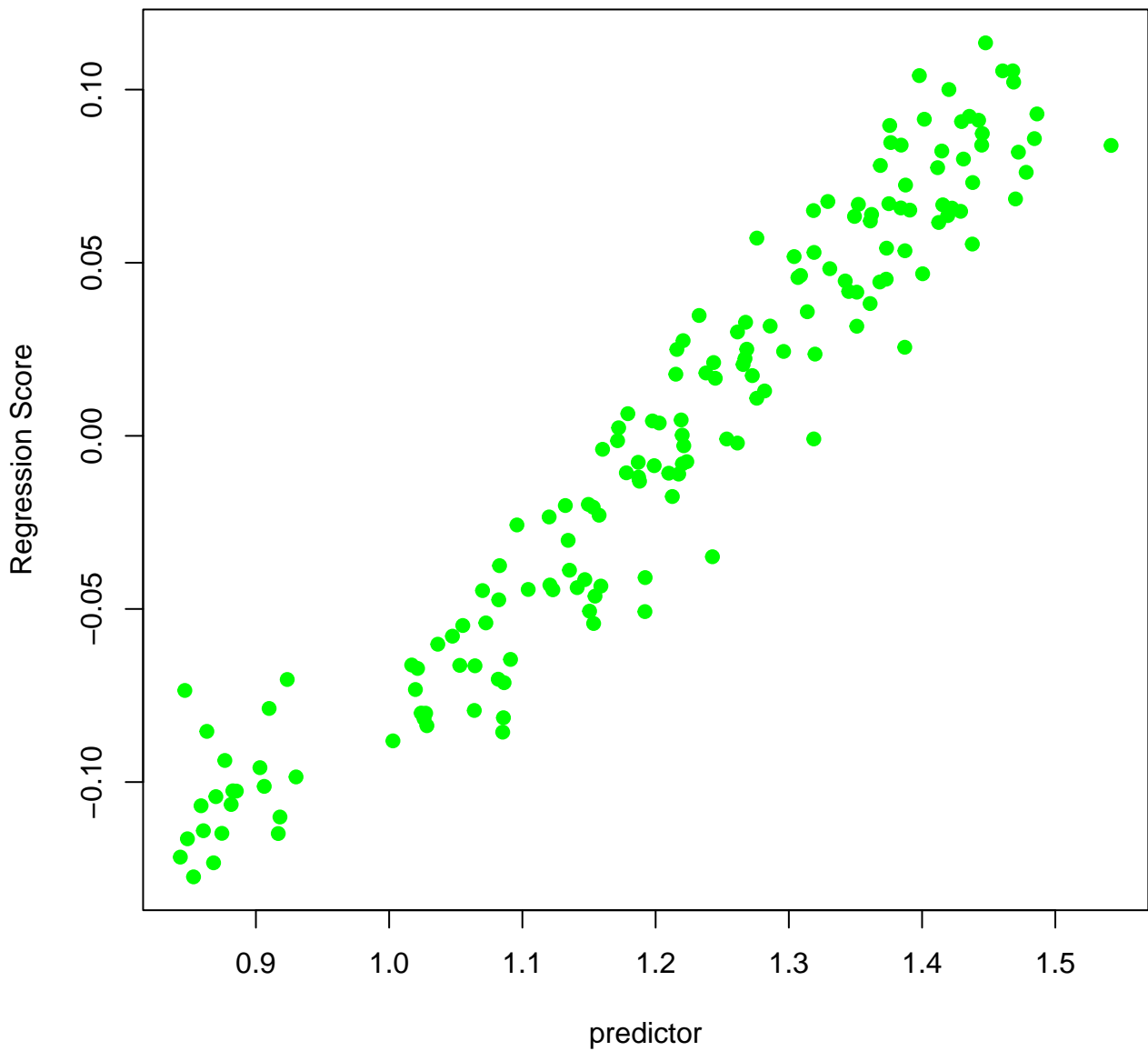


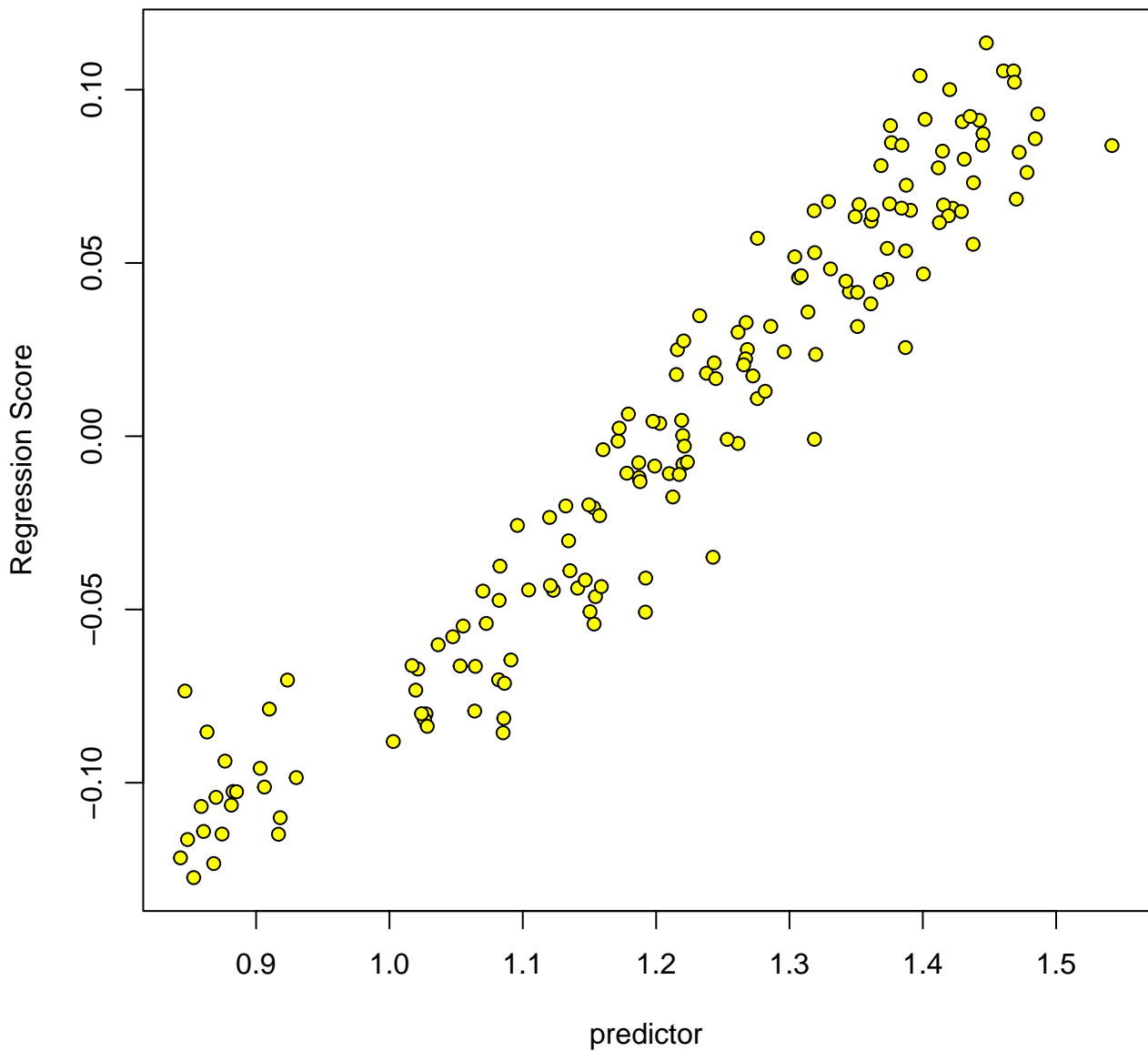
# All Specimens

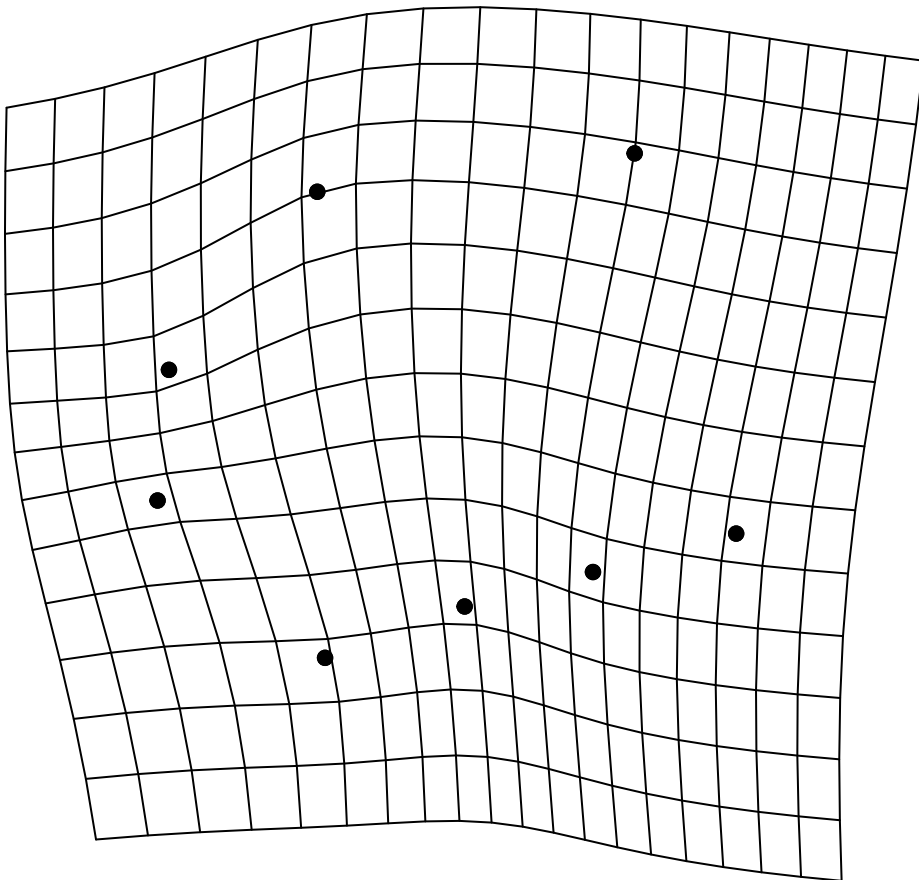


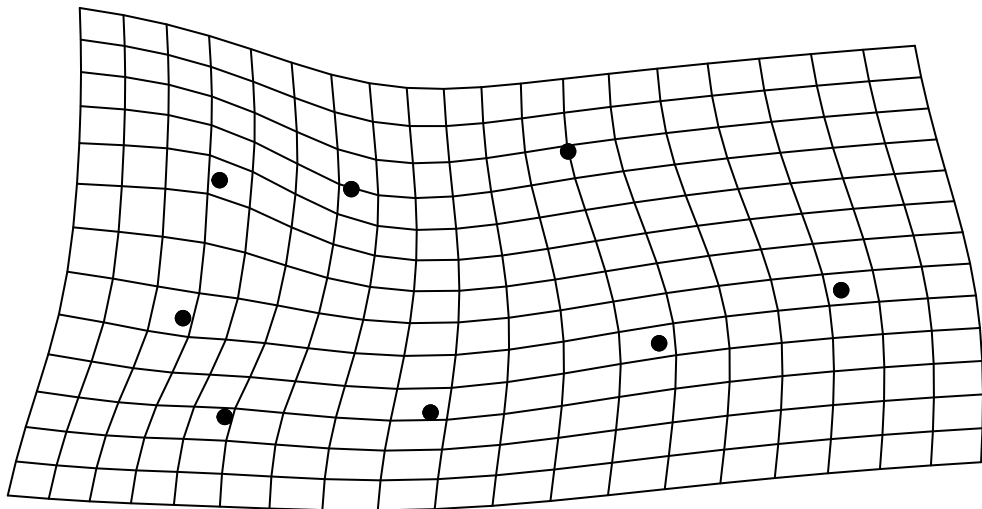


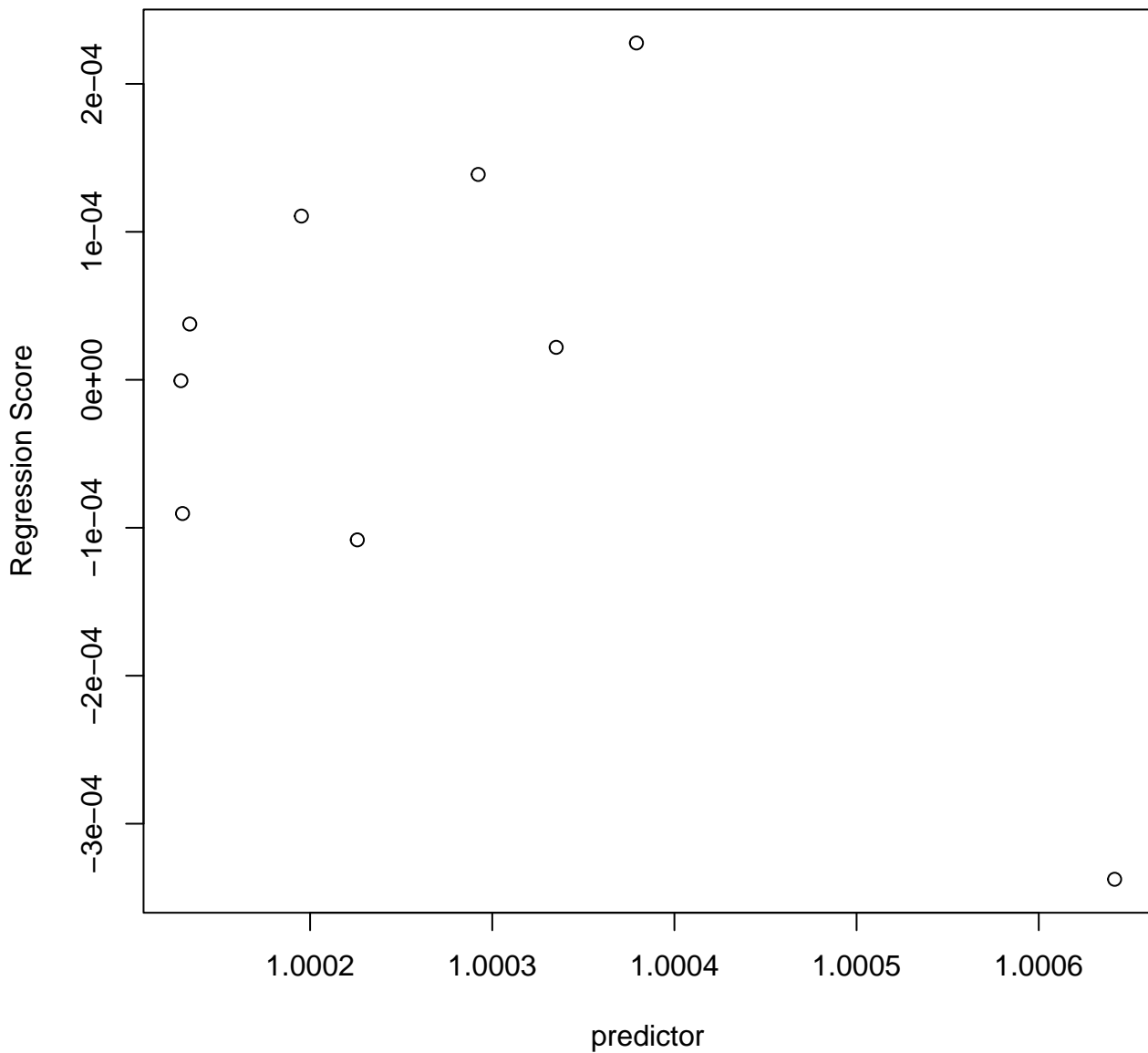


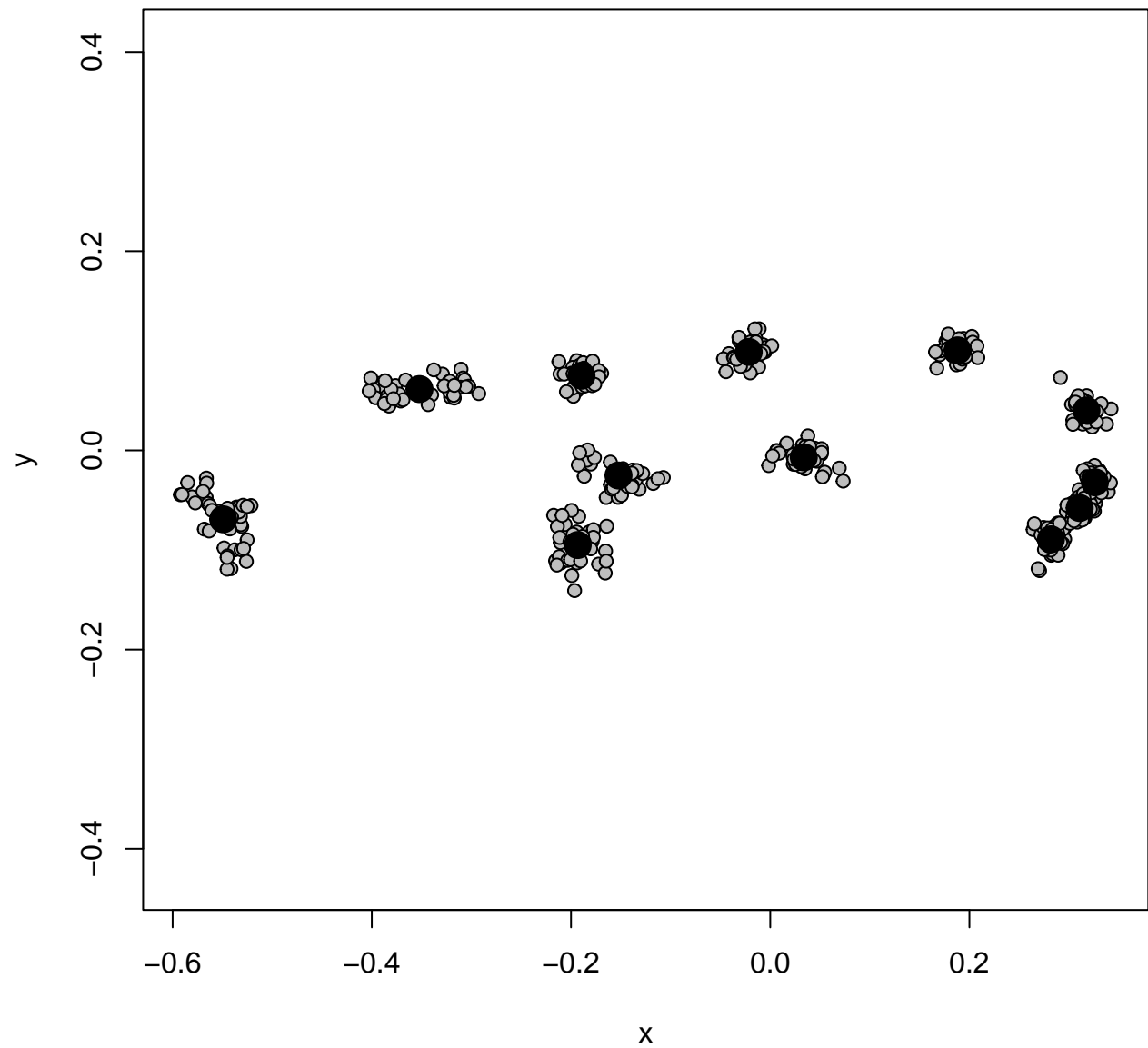


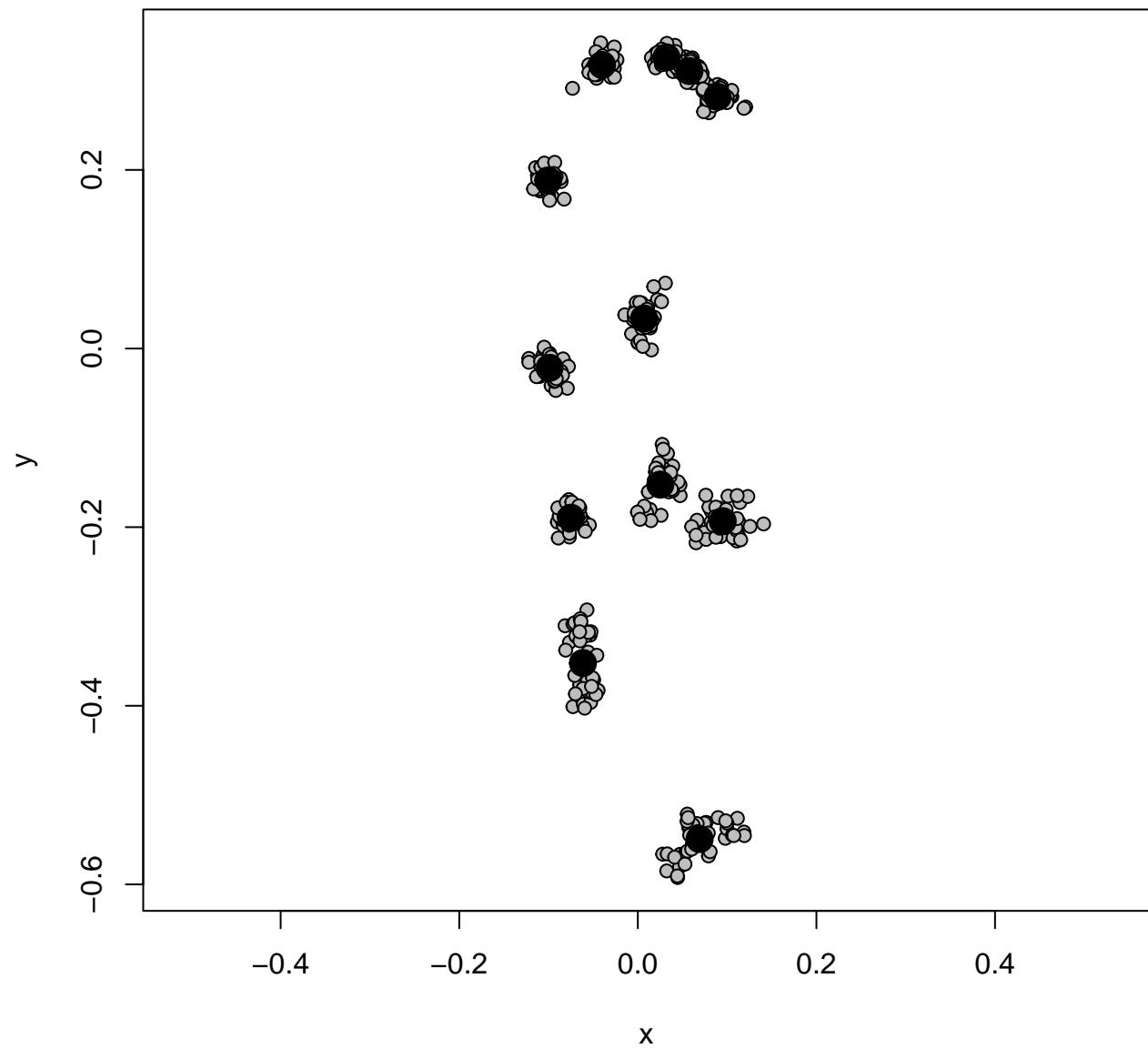




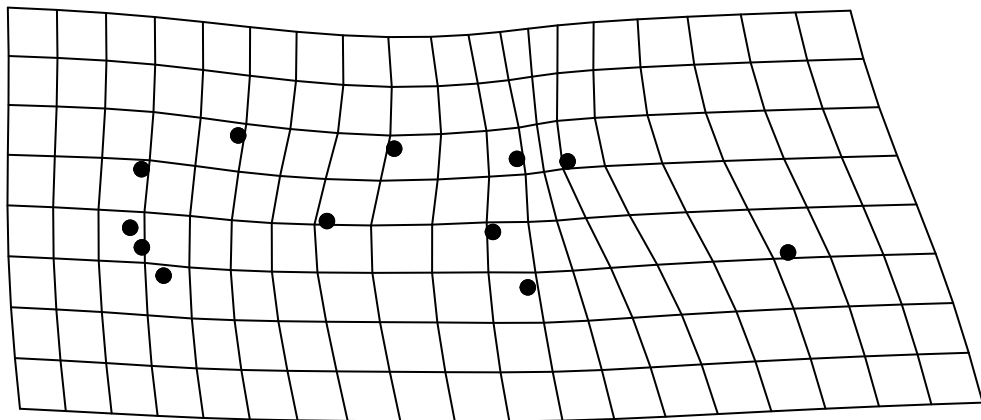


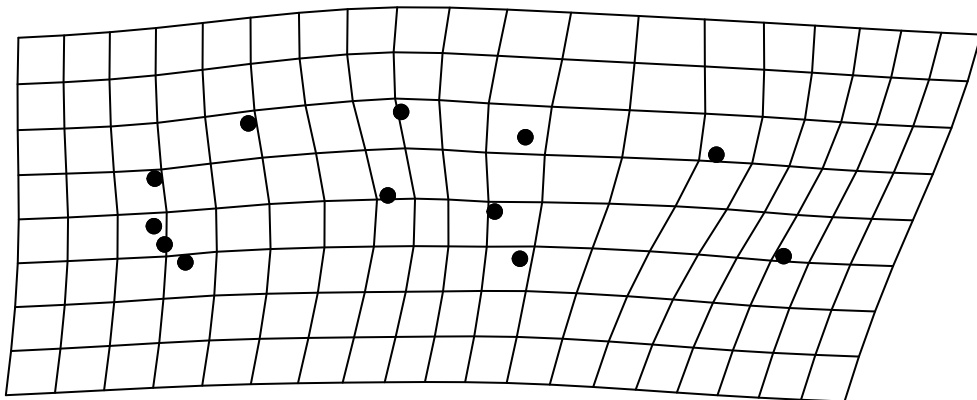


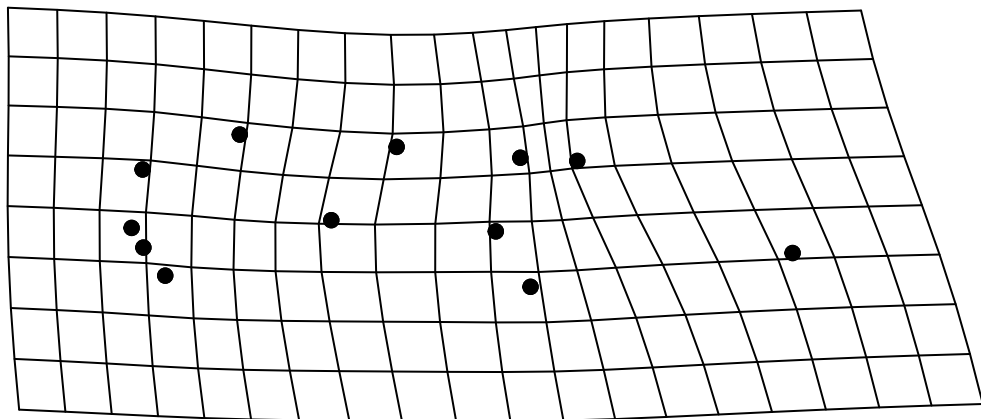


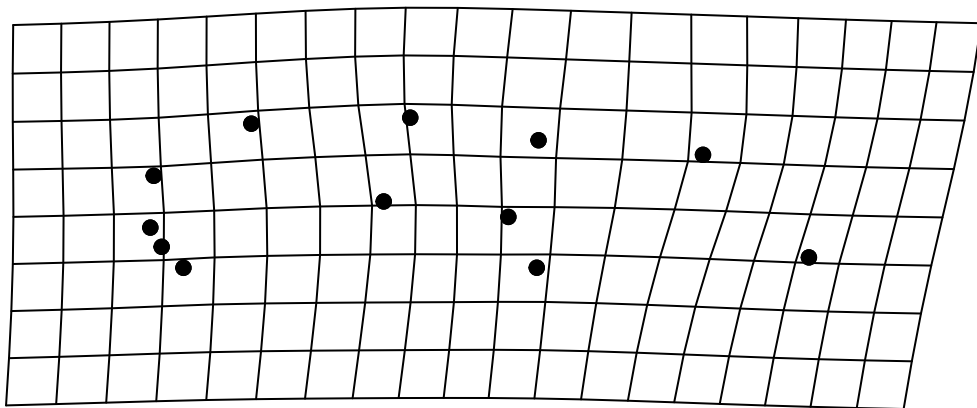


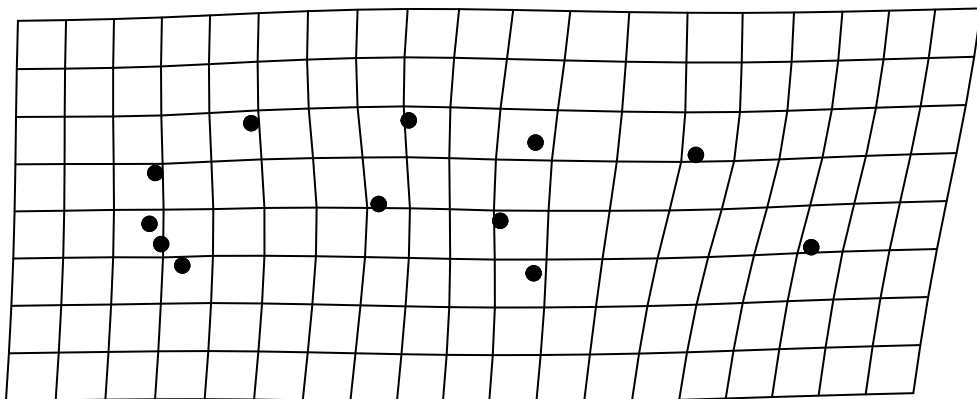


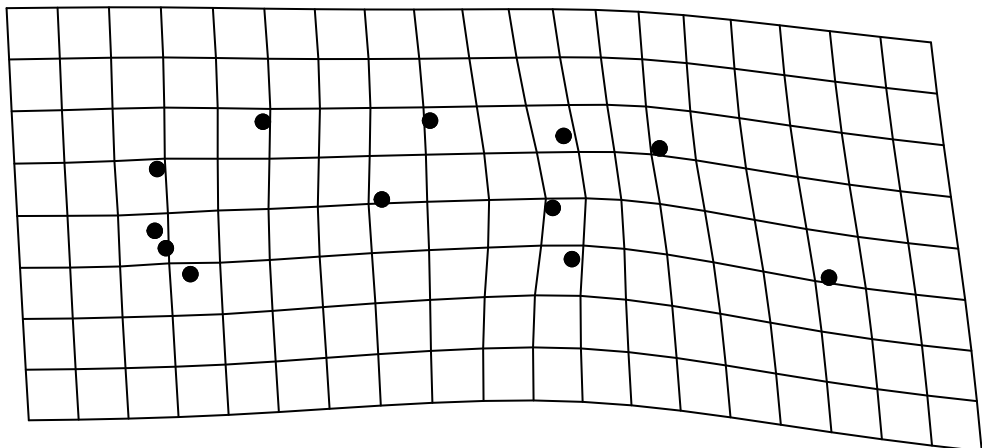


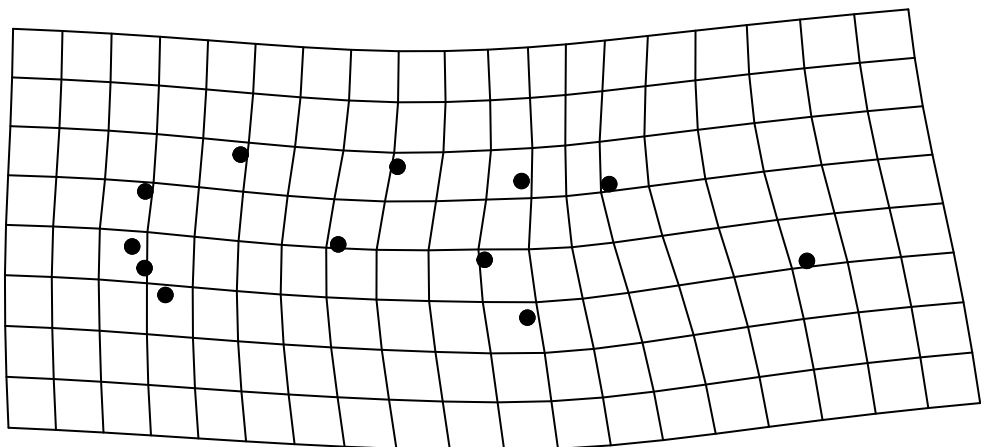


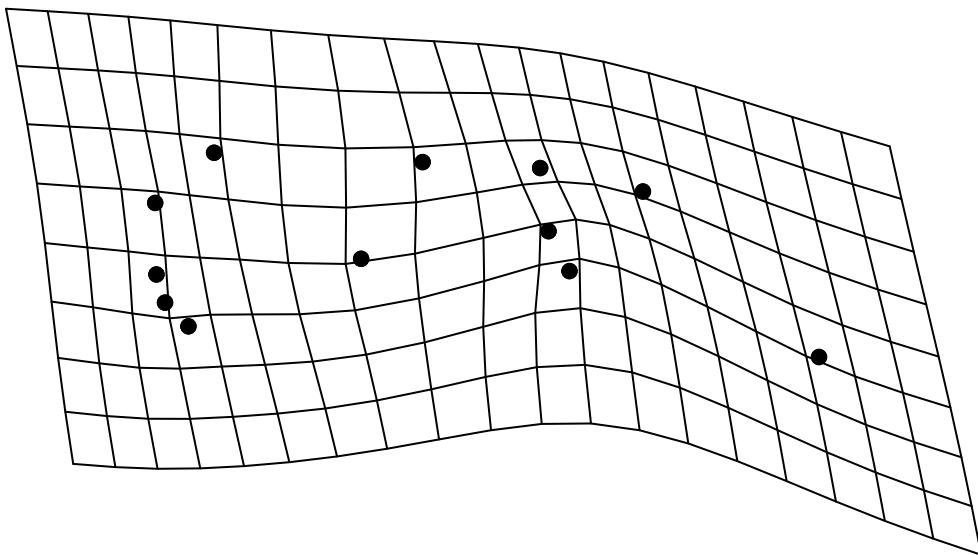




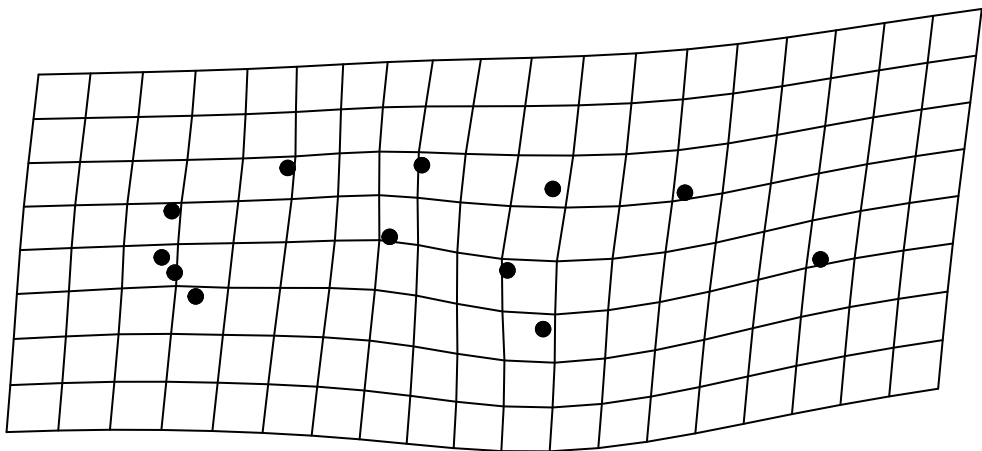


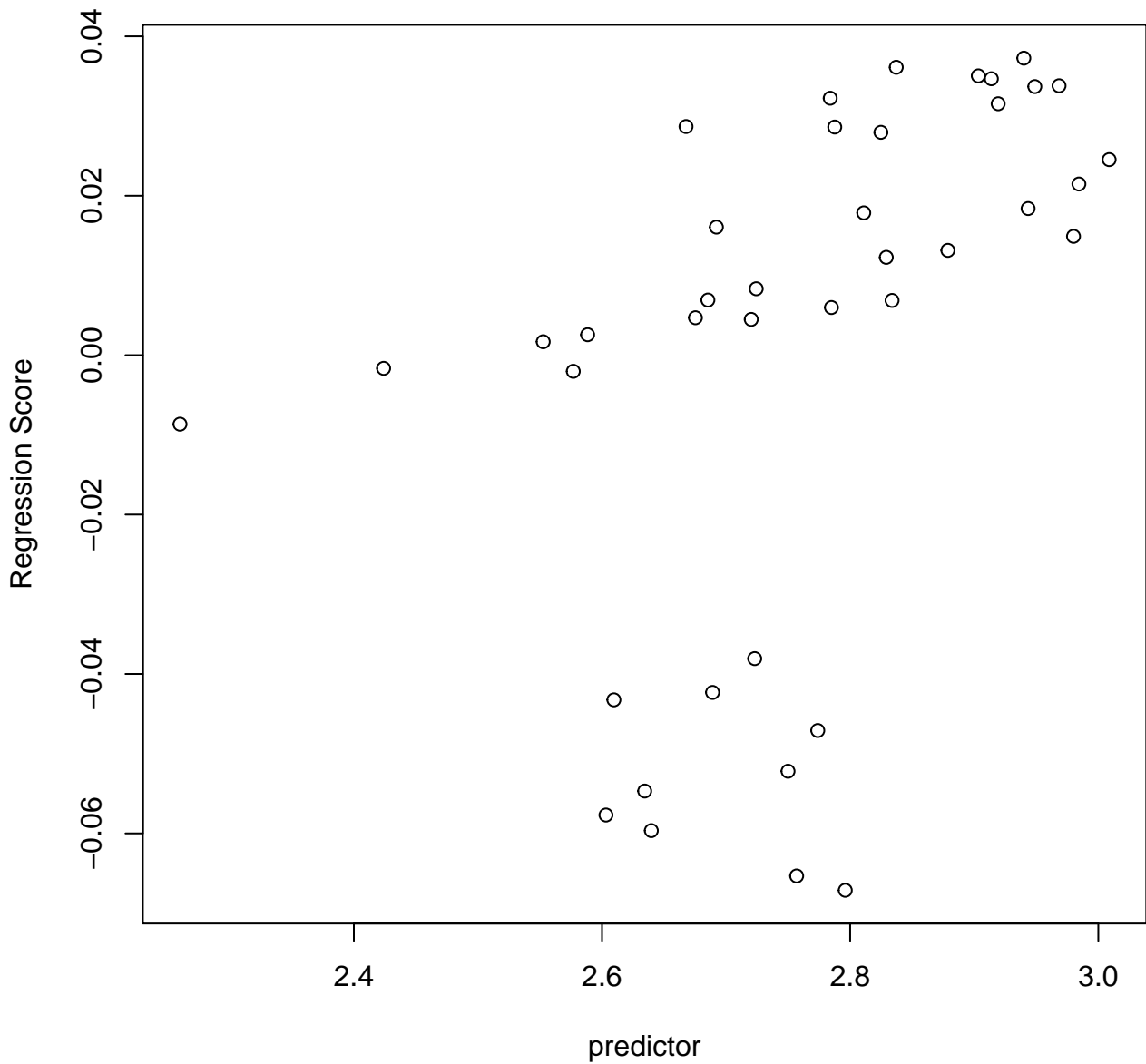


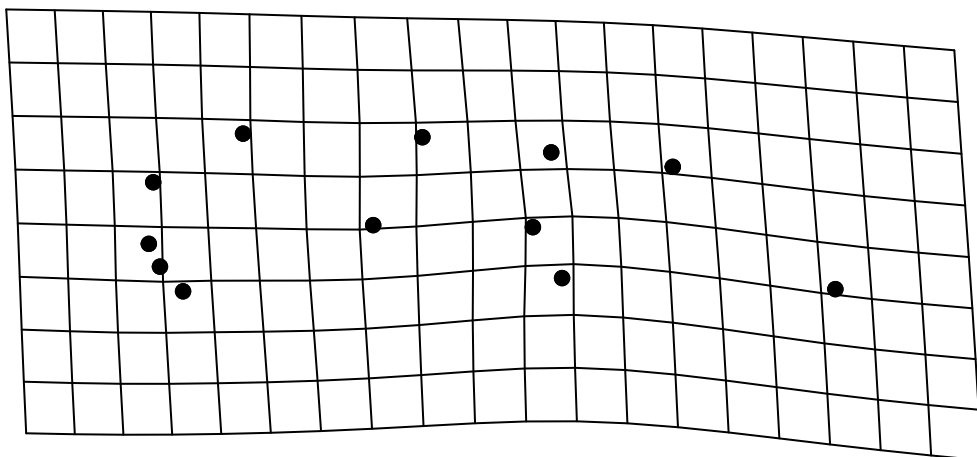


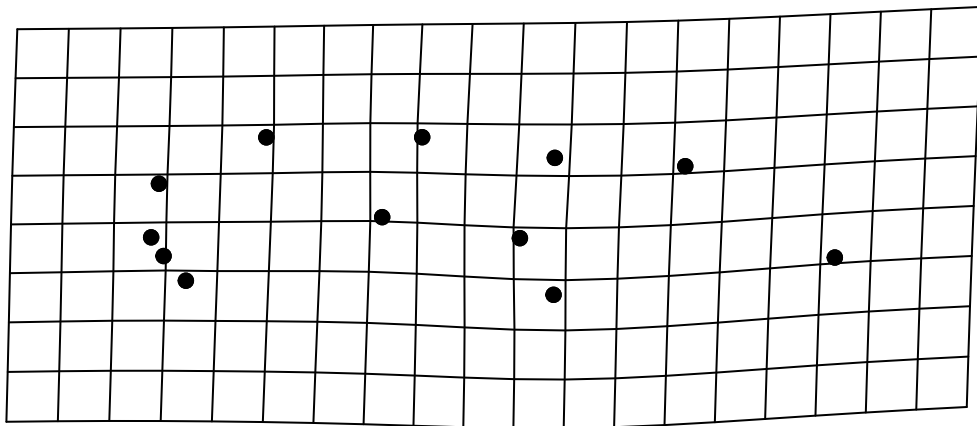


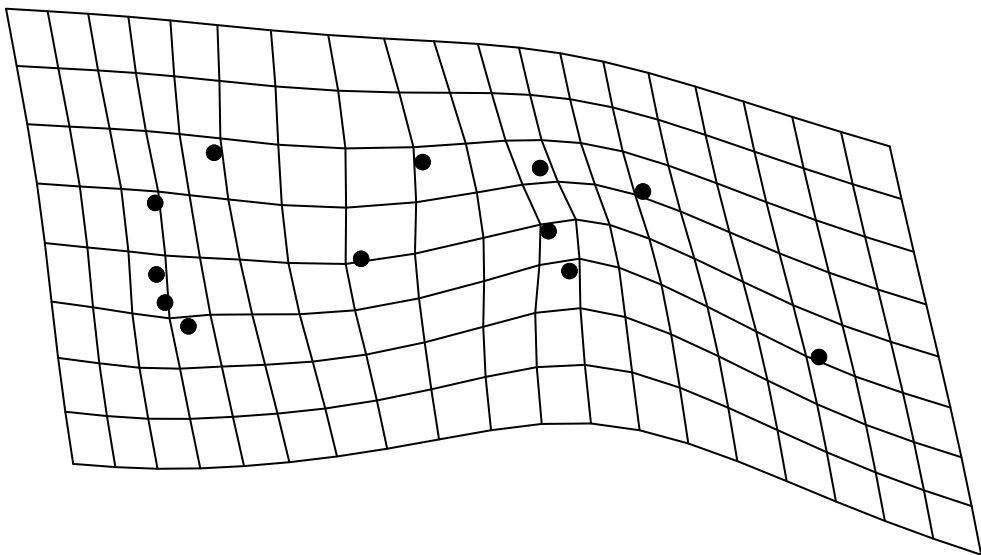


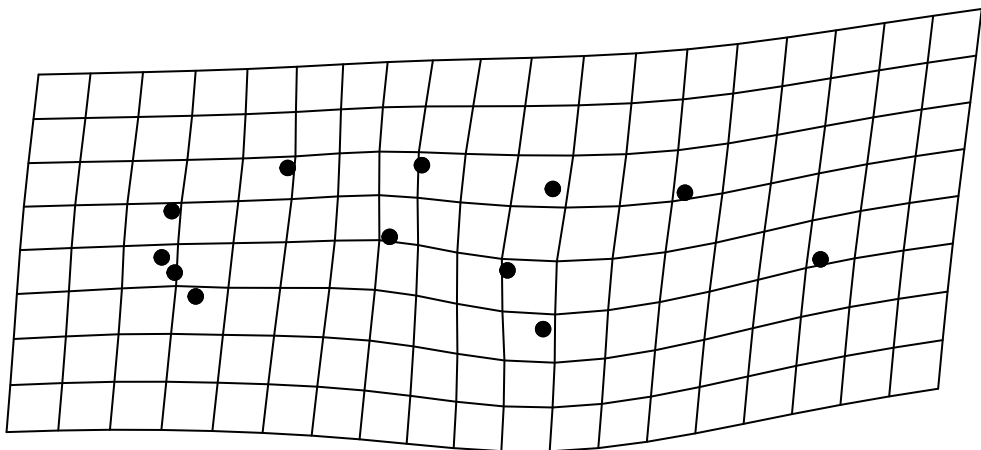


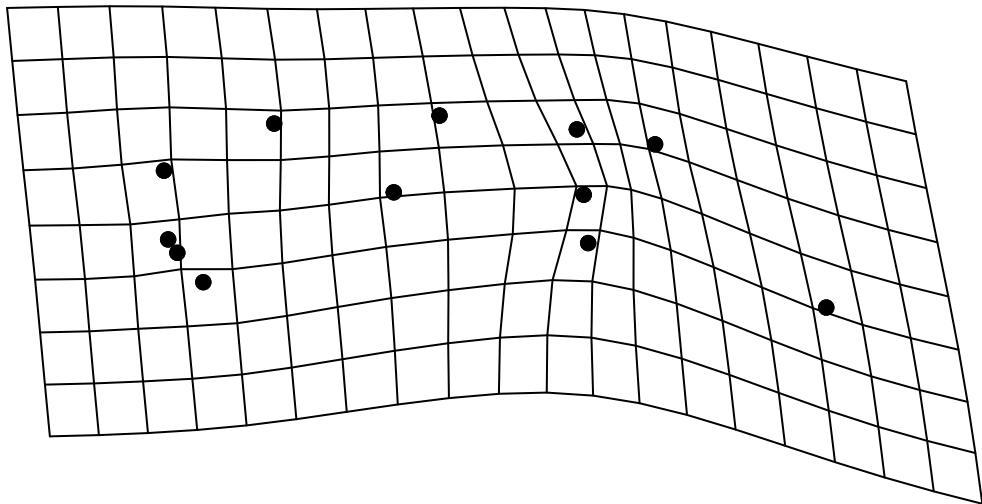


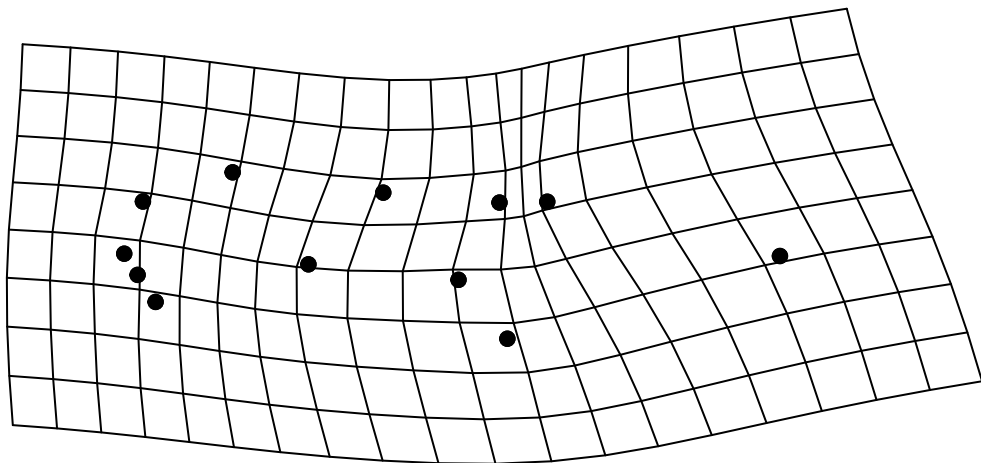




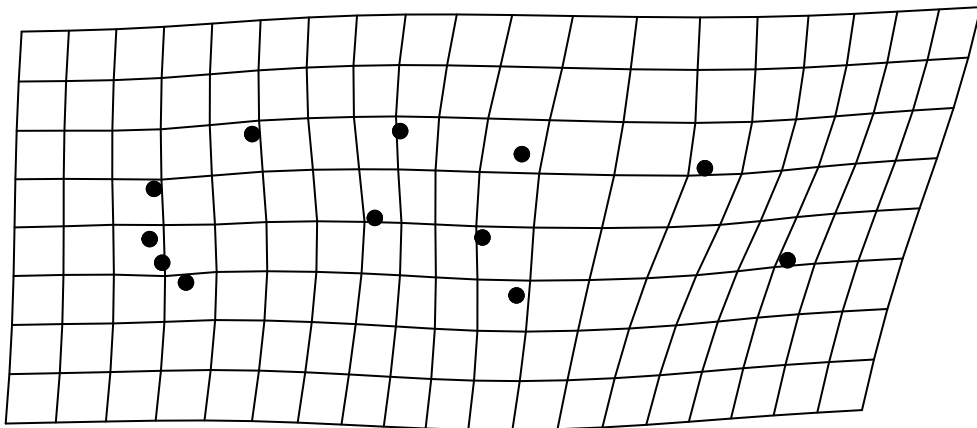


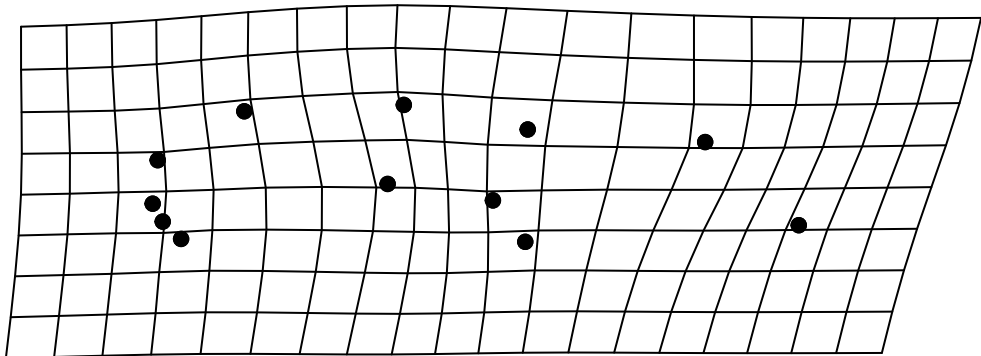


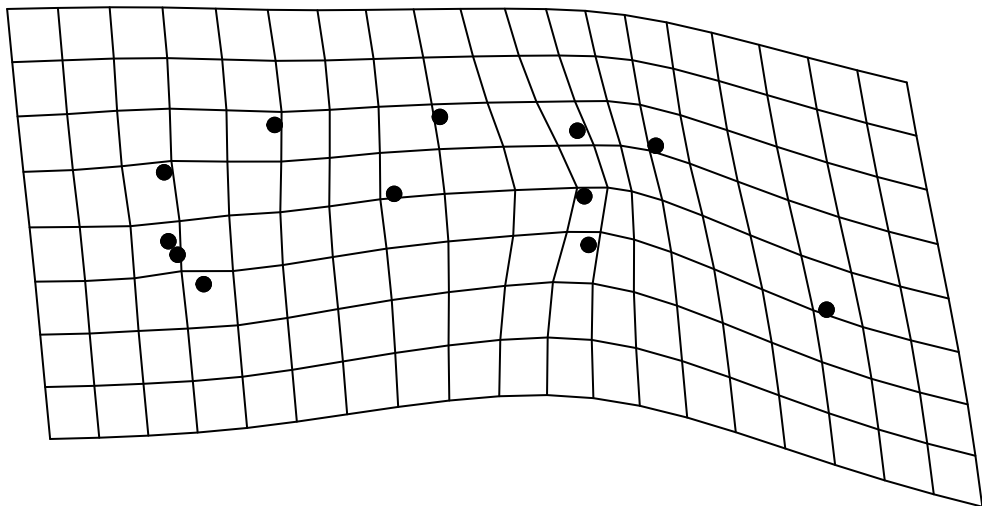


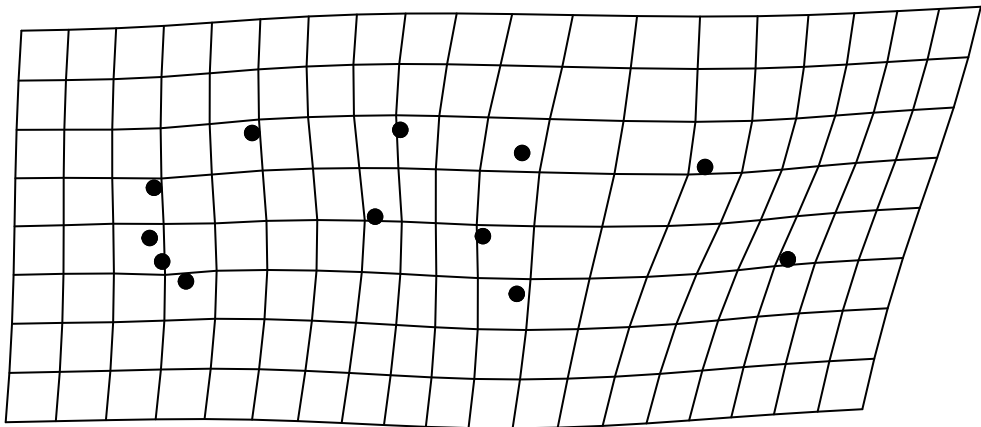


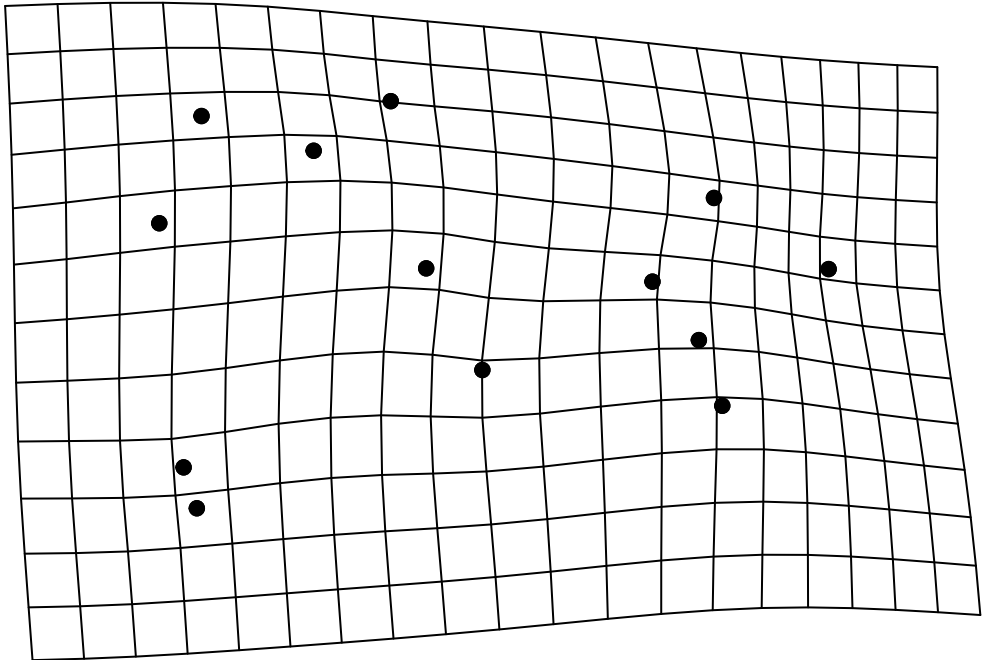


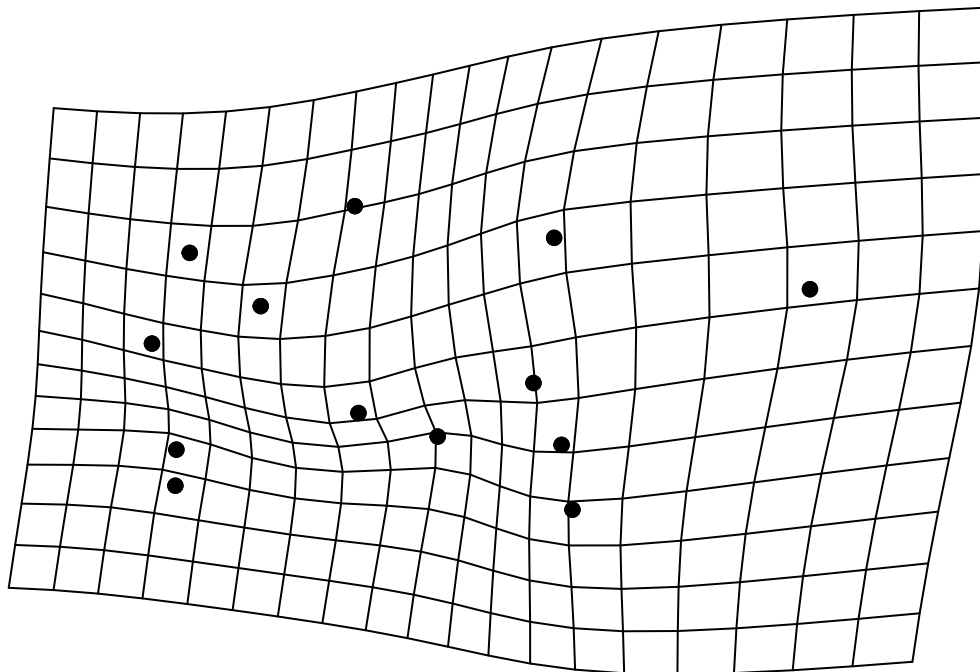


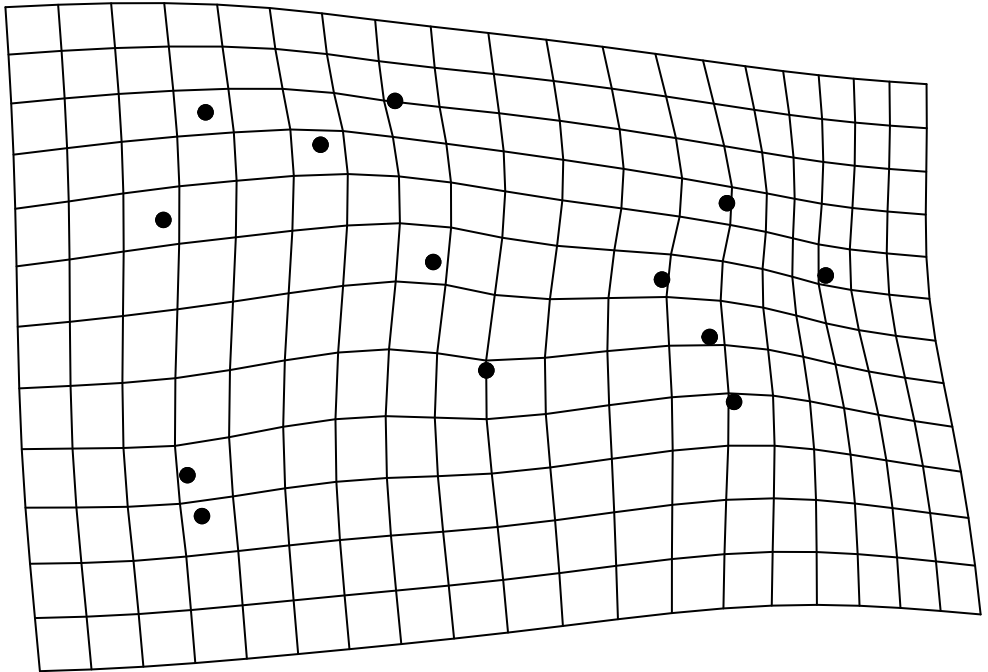


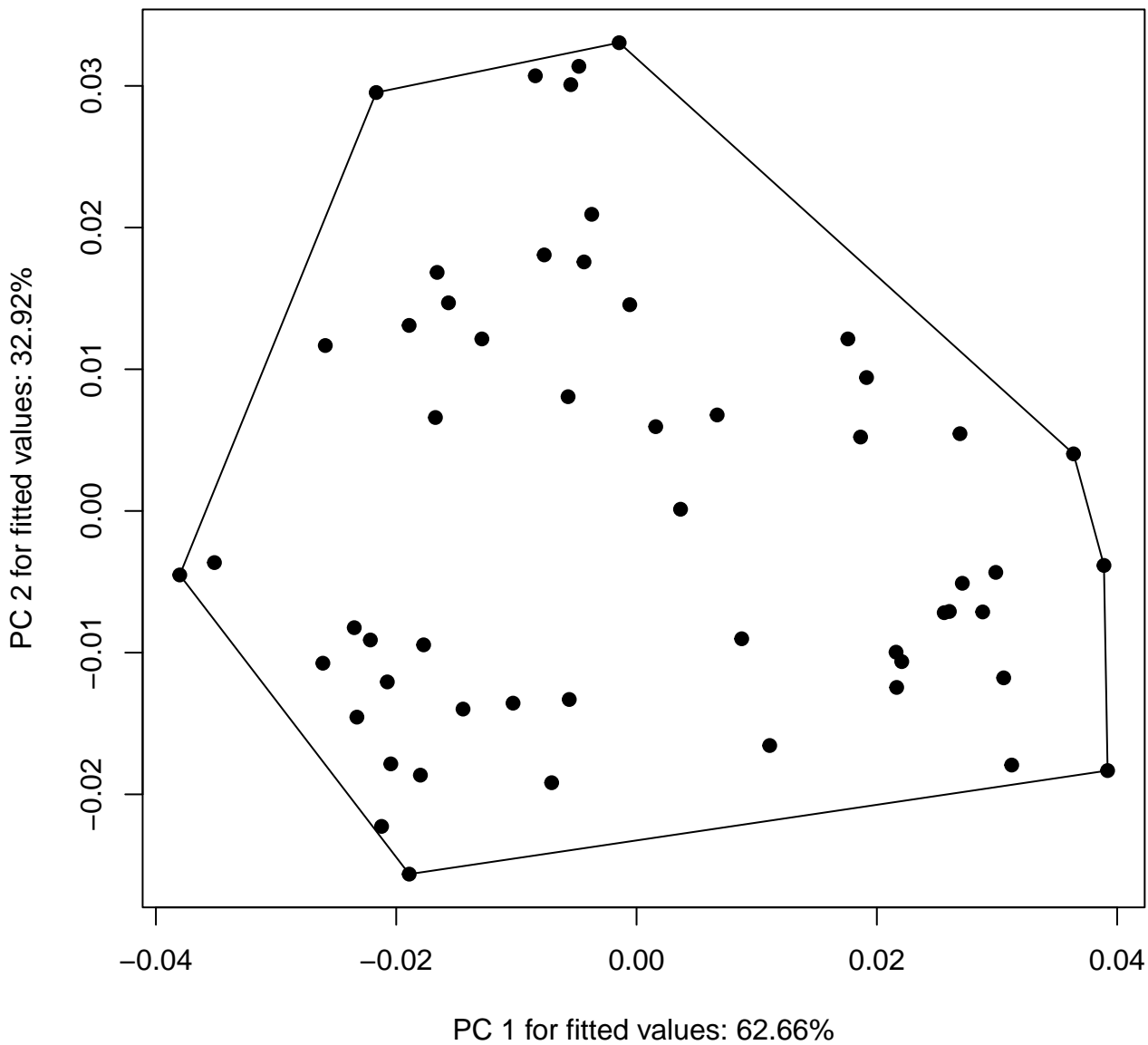




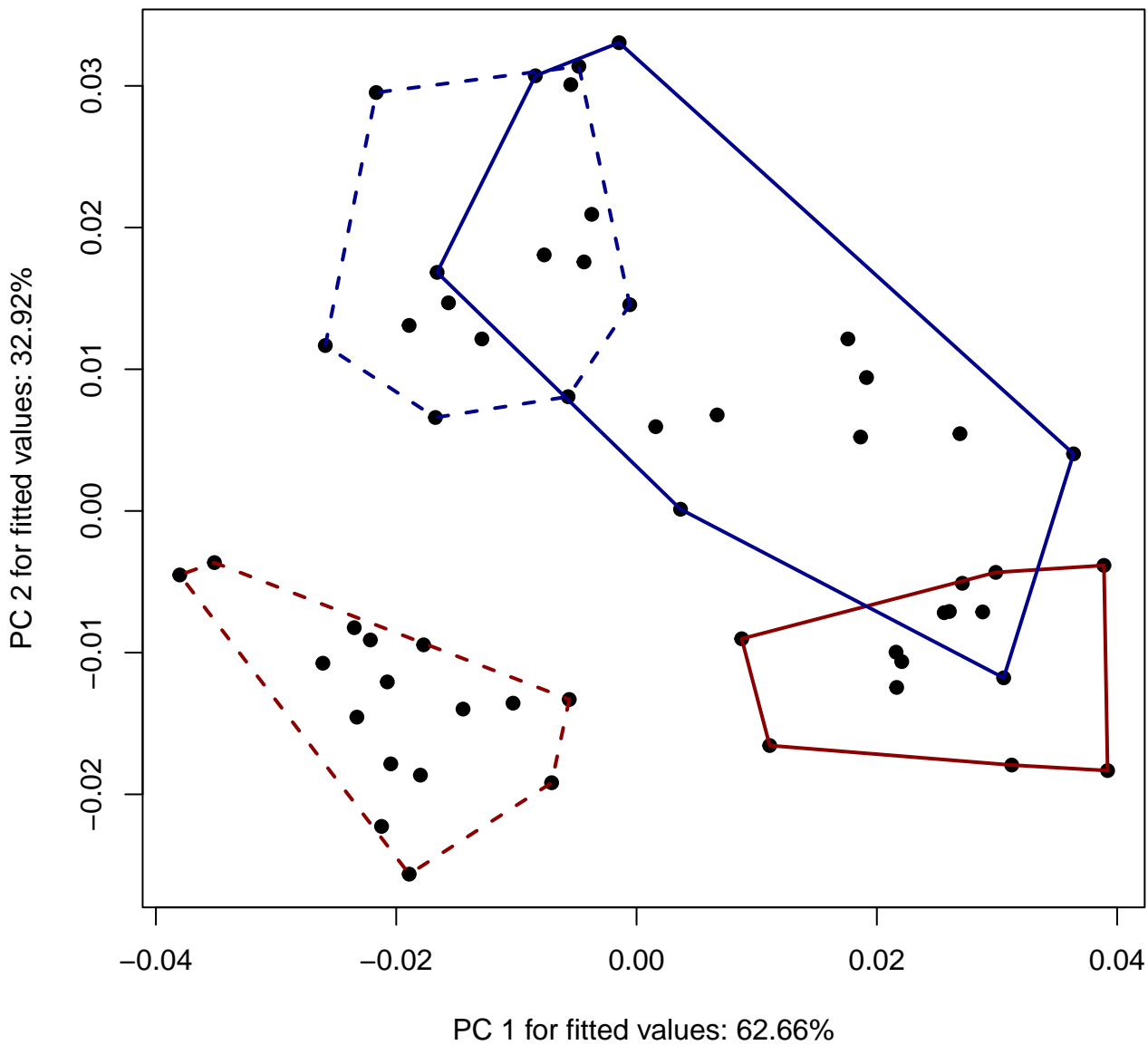




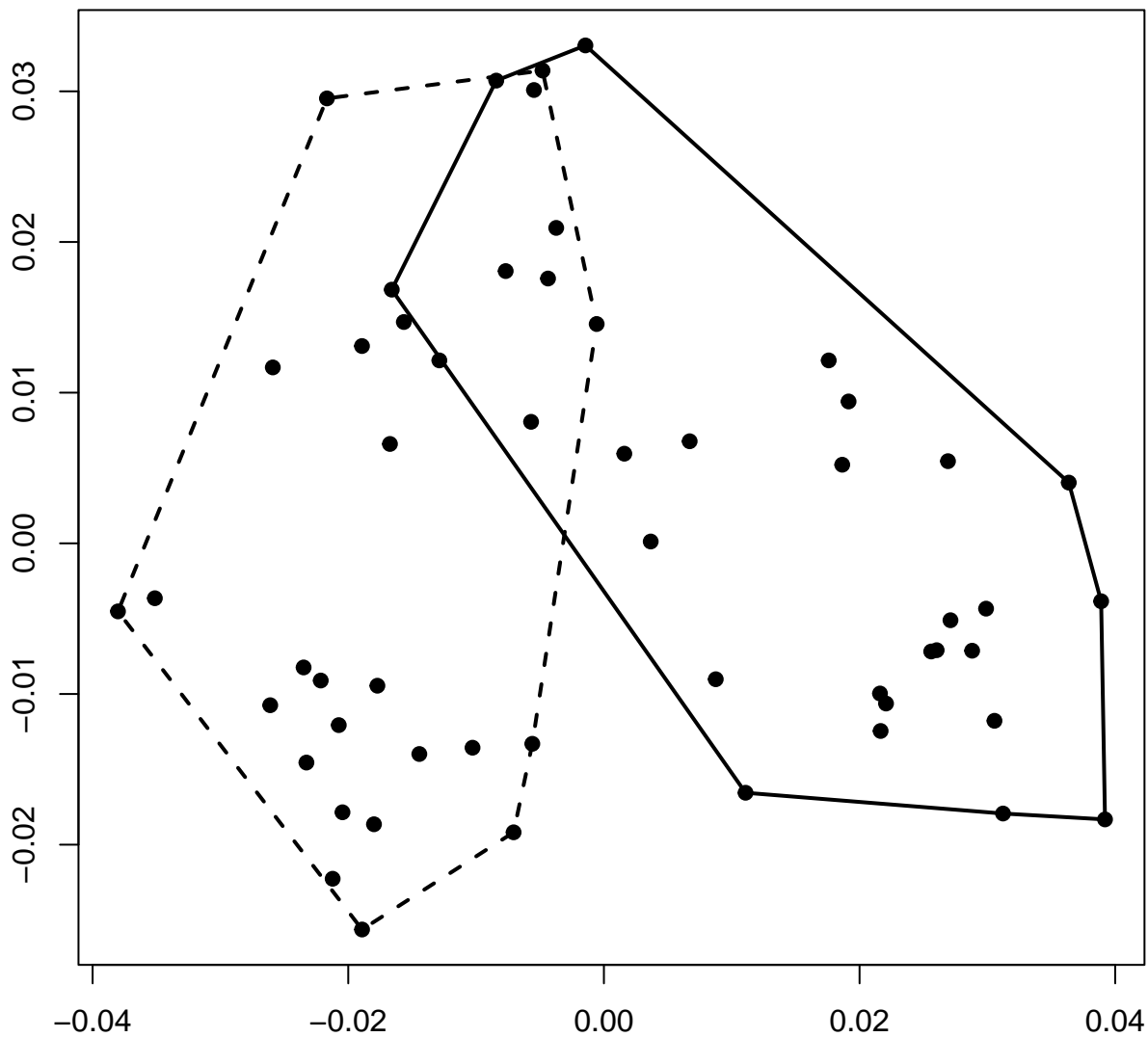




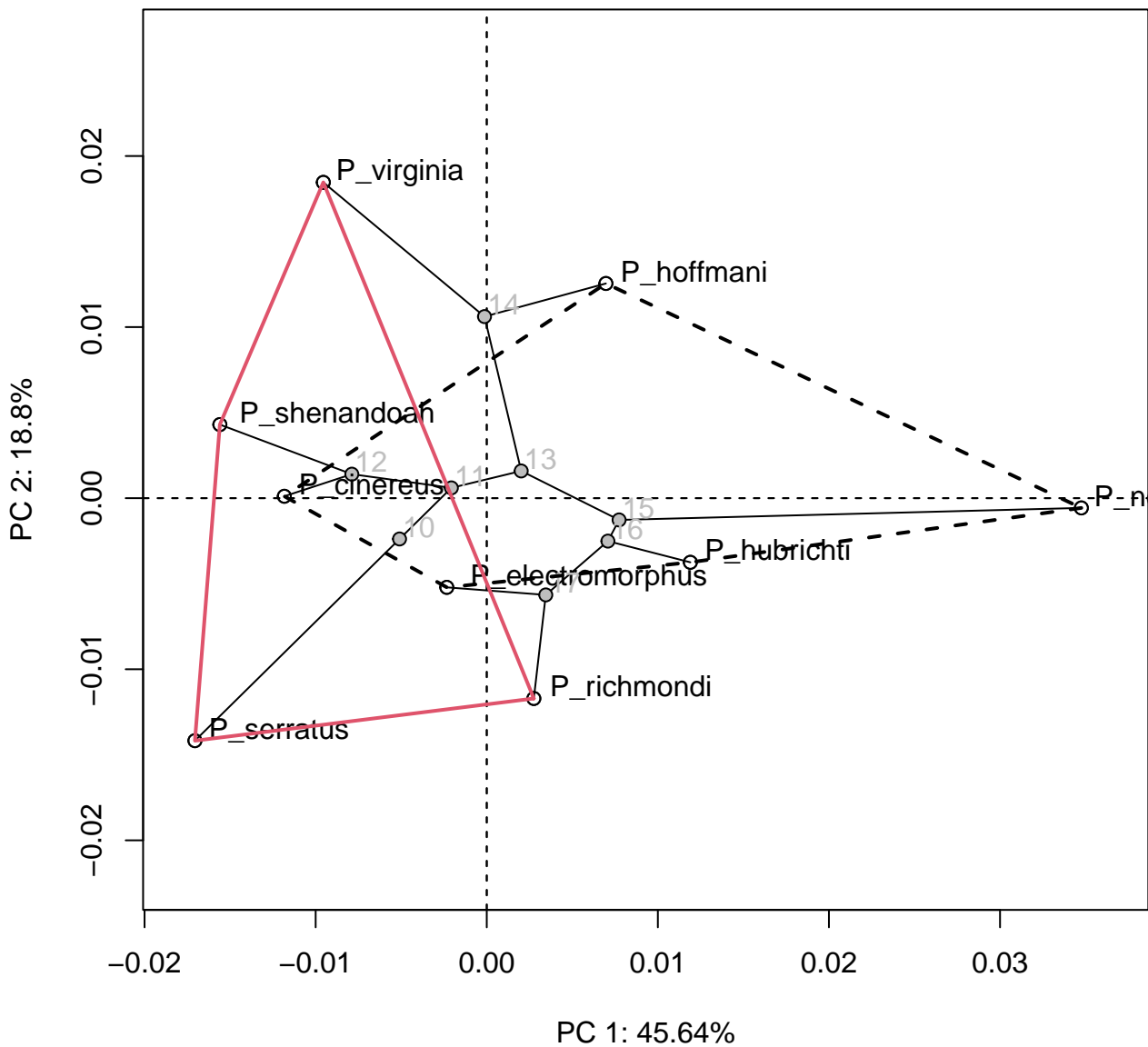




PC 2 for fitted values: 32.92%



PC 1 for fitted values: 62.66%



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

