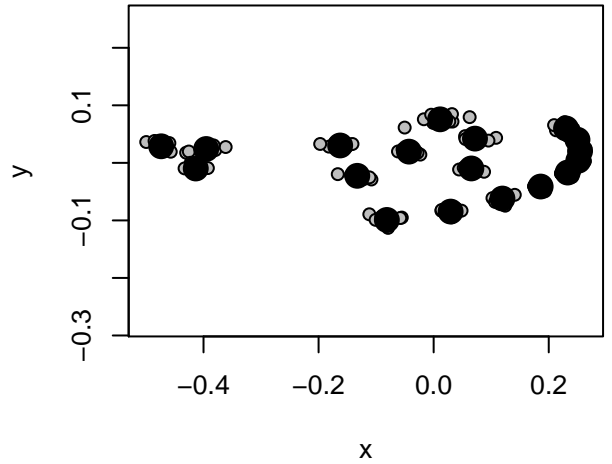
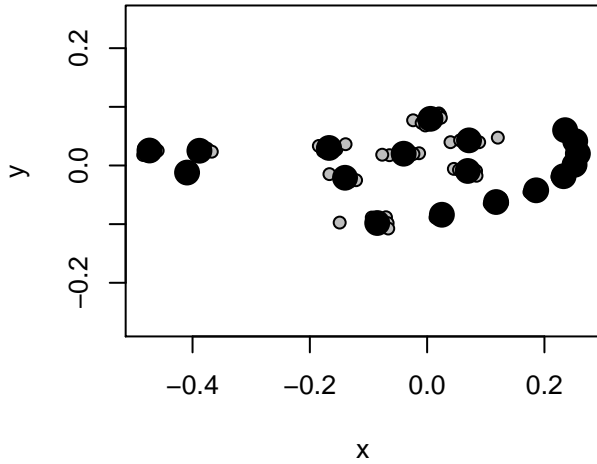
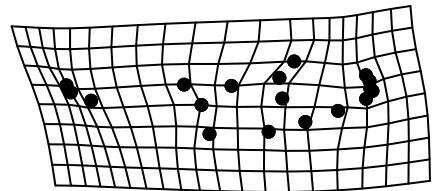
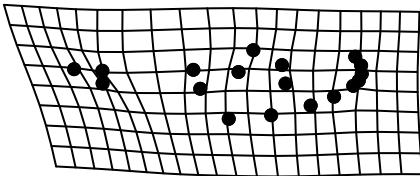


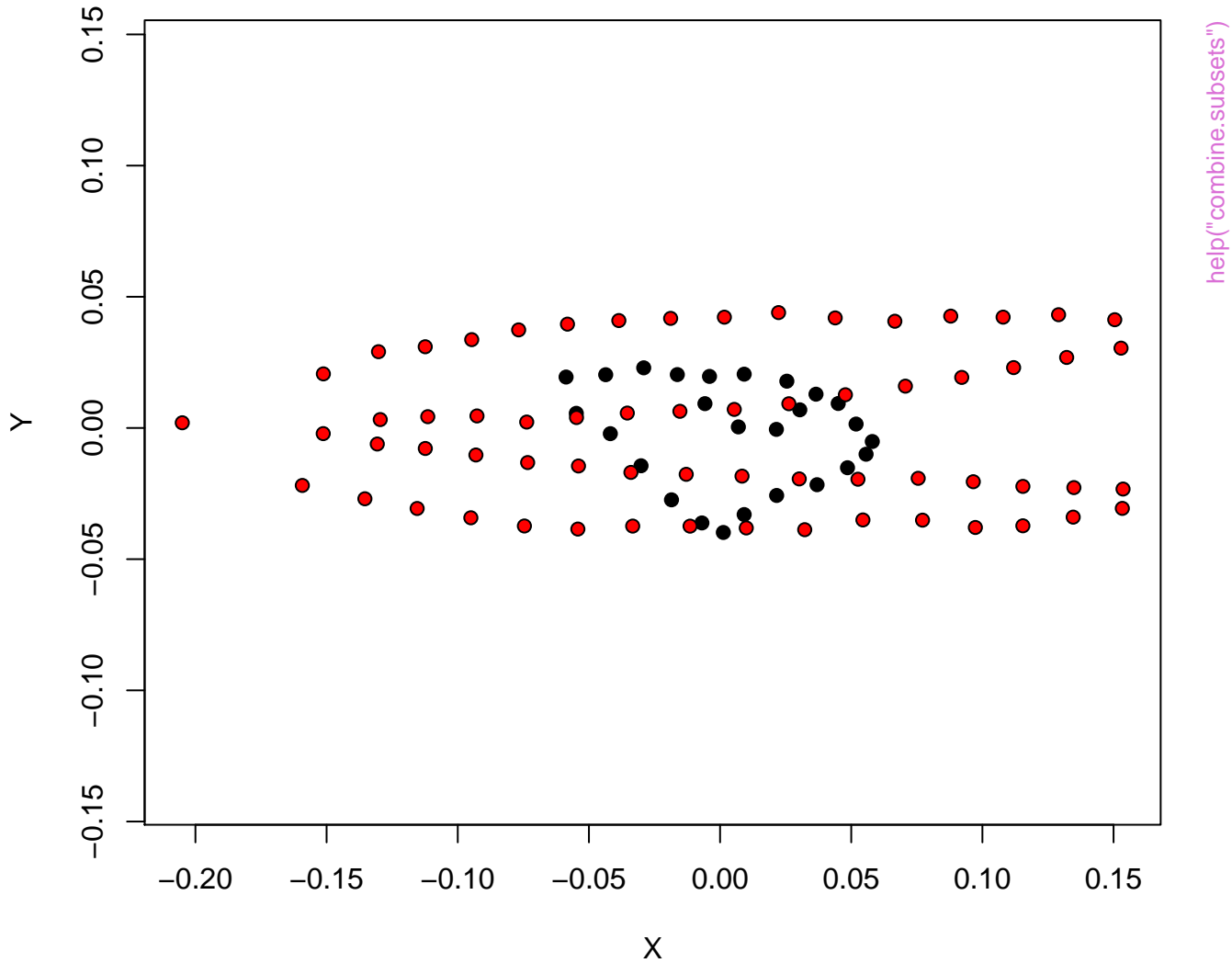
# Symmetric Shape Component (left) and Asymmetric Shape Component (right)

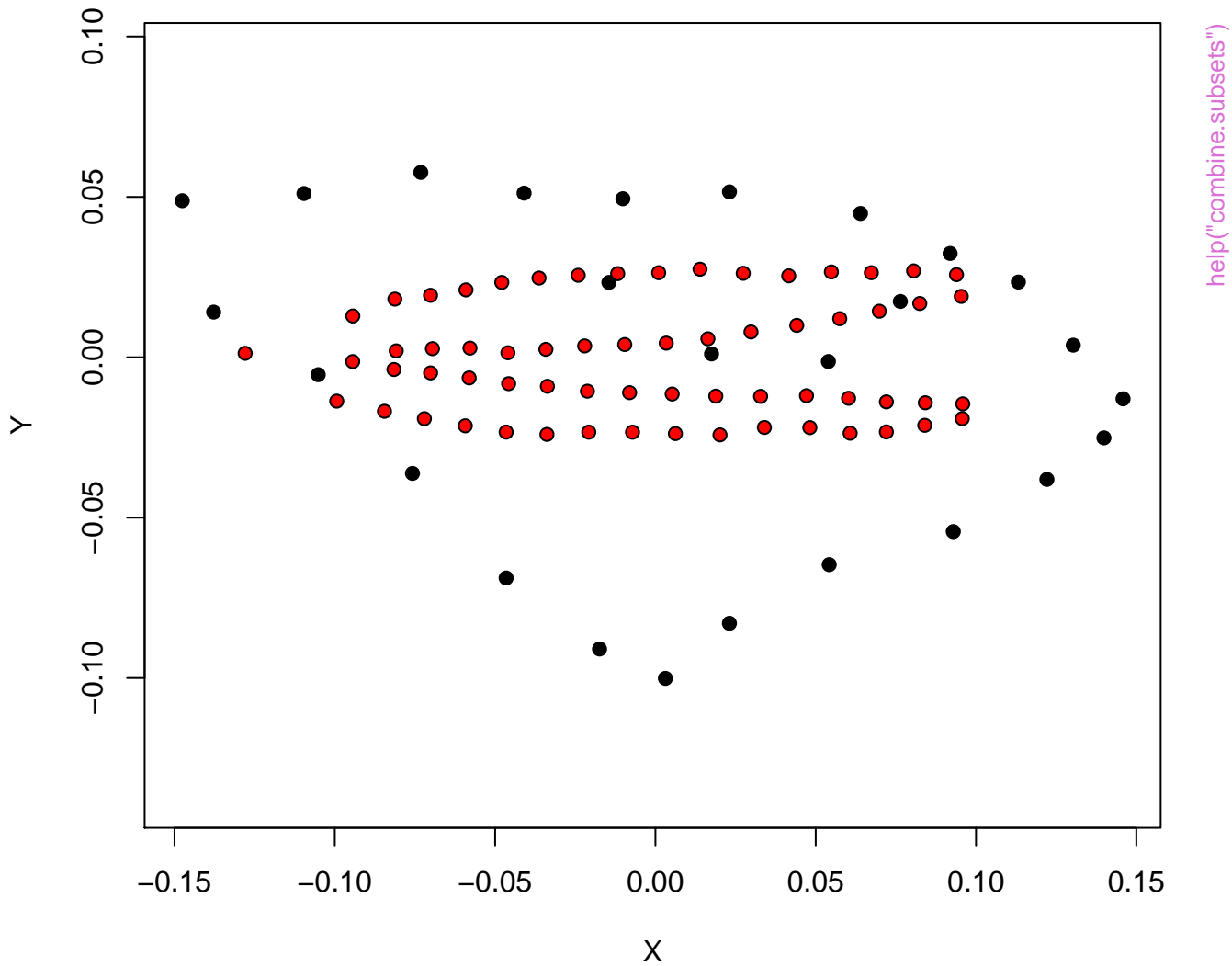


help("bilat.symmetry")

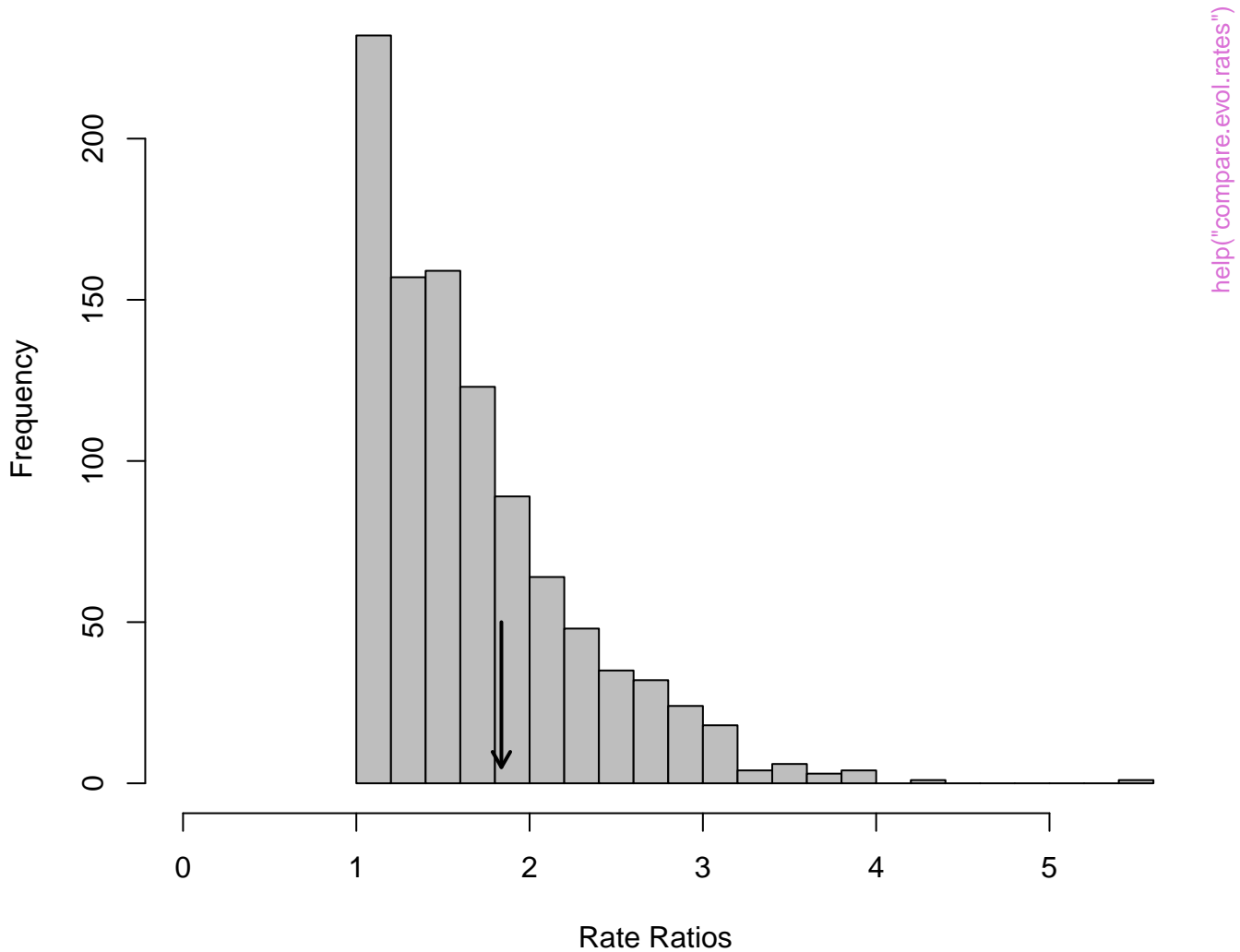


Mean directional (left) and fluctuating (right) asymmetry

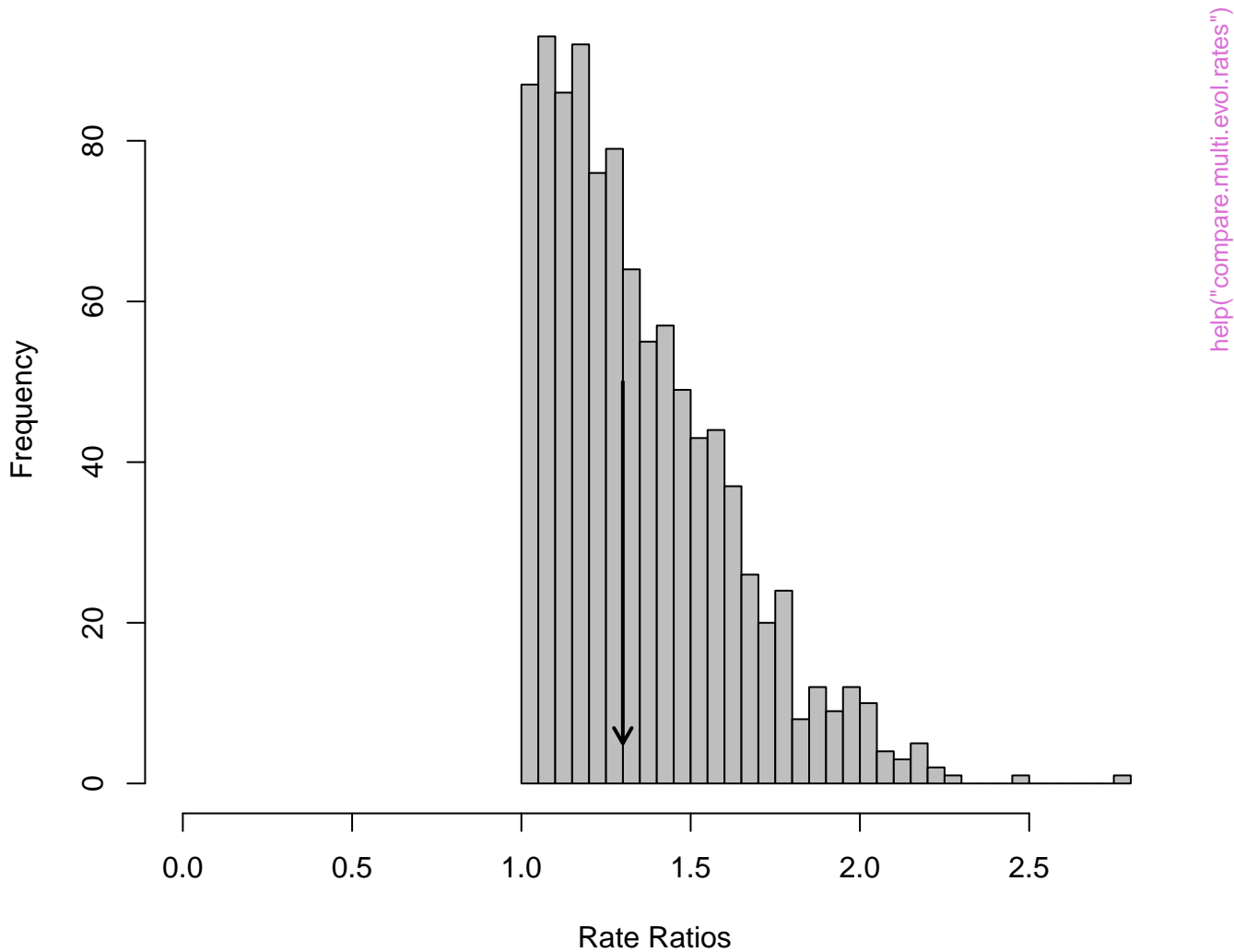


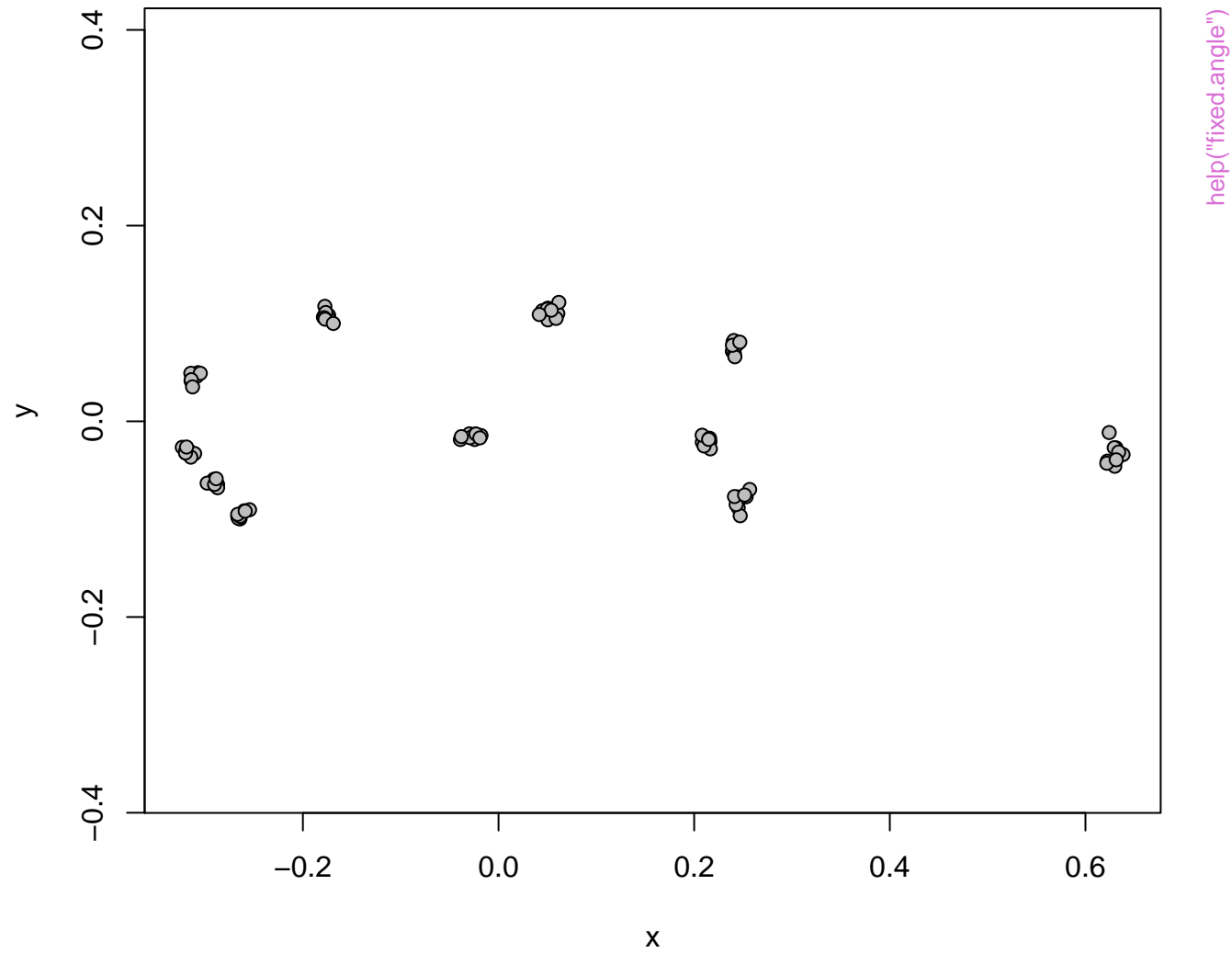


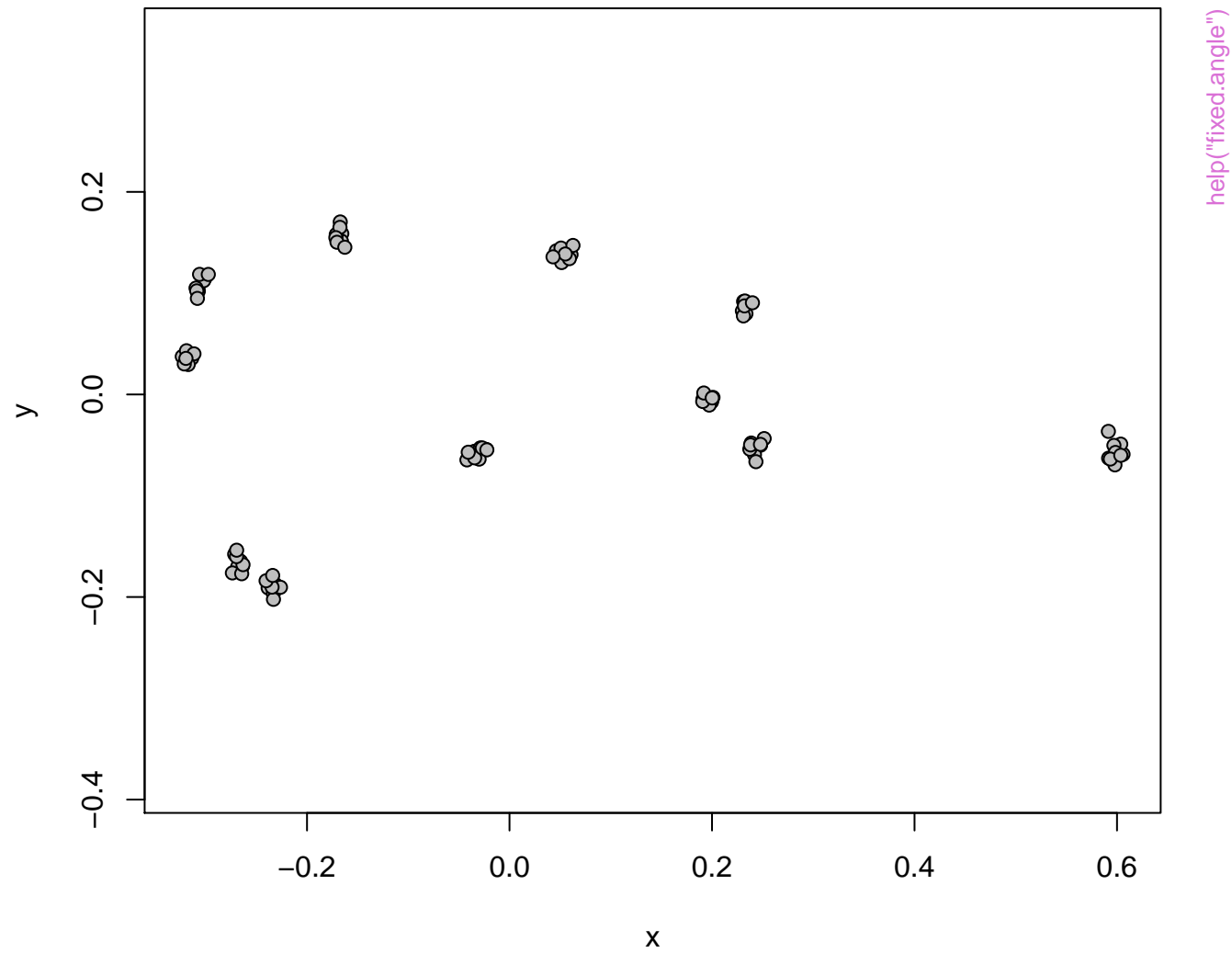
Observed Rate Ratio = 1.8372 ; P-value = 0.308



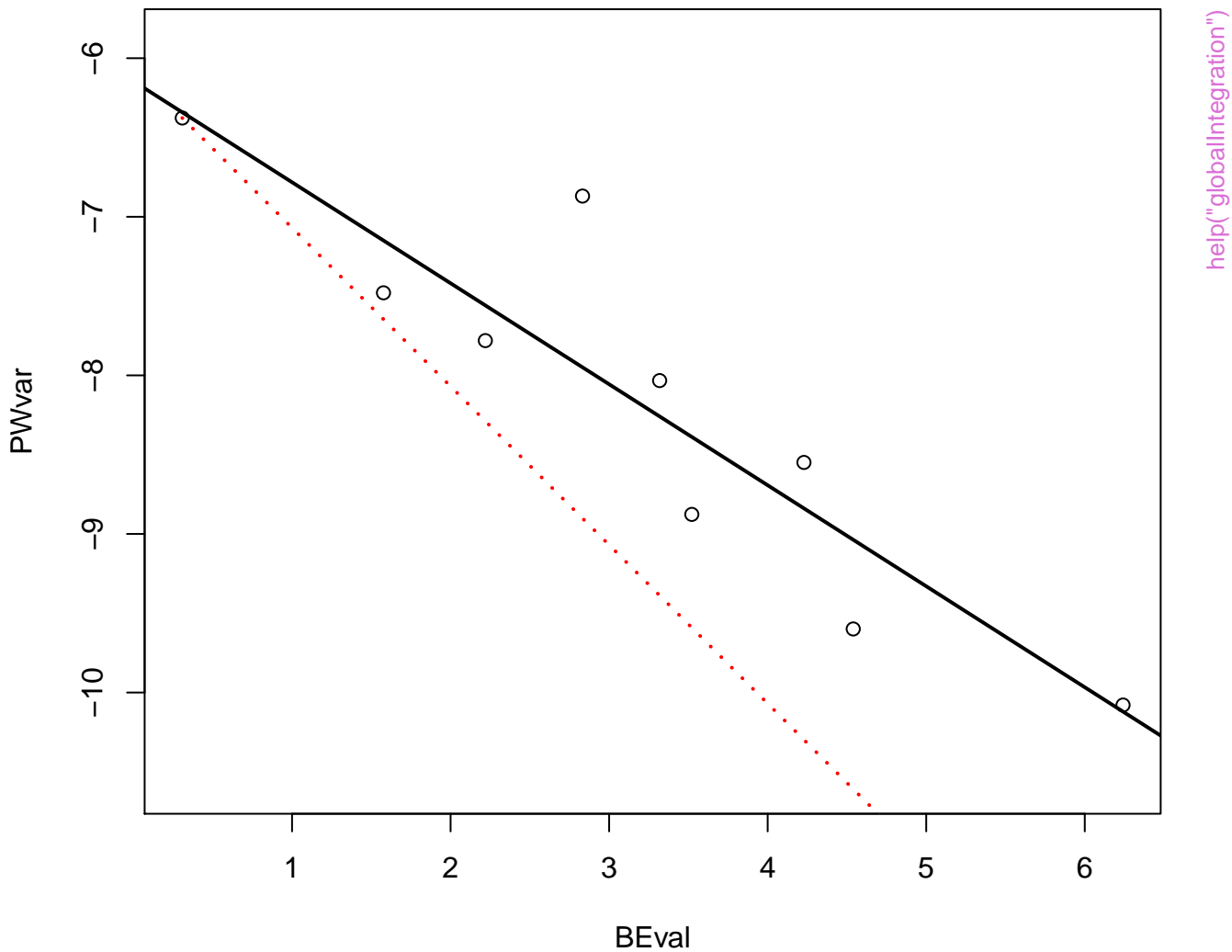
Observed Rate Ratio = 1.2997 ; P-value = 0.489





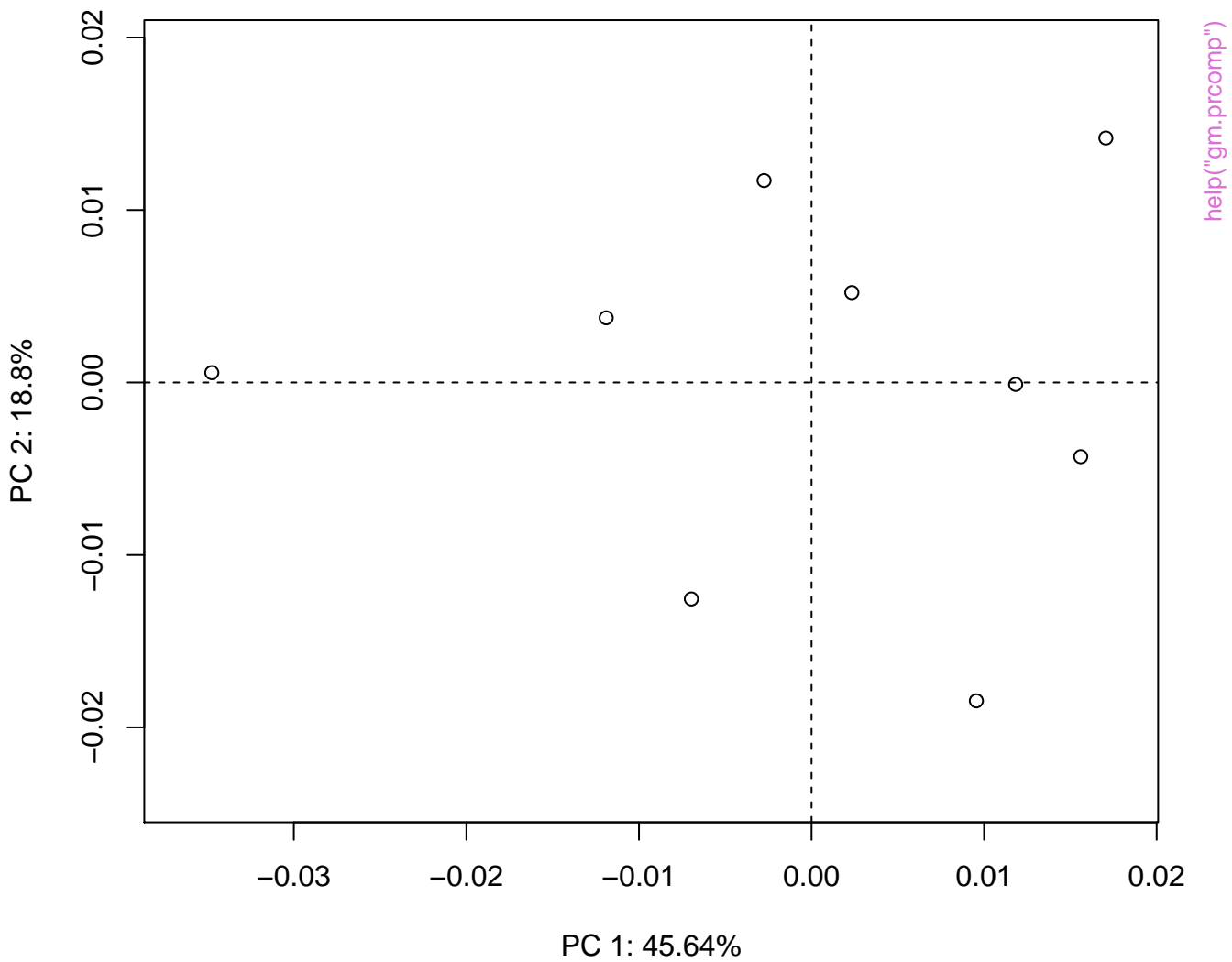


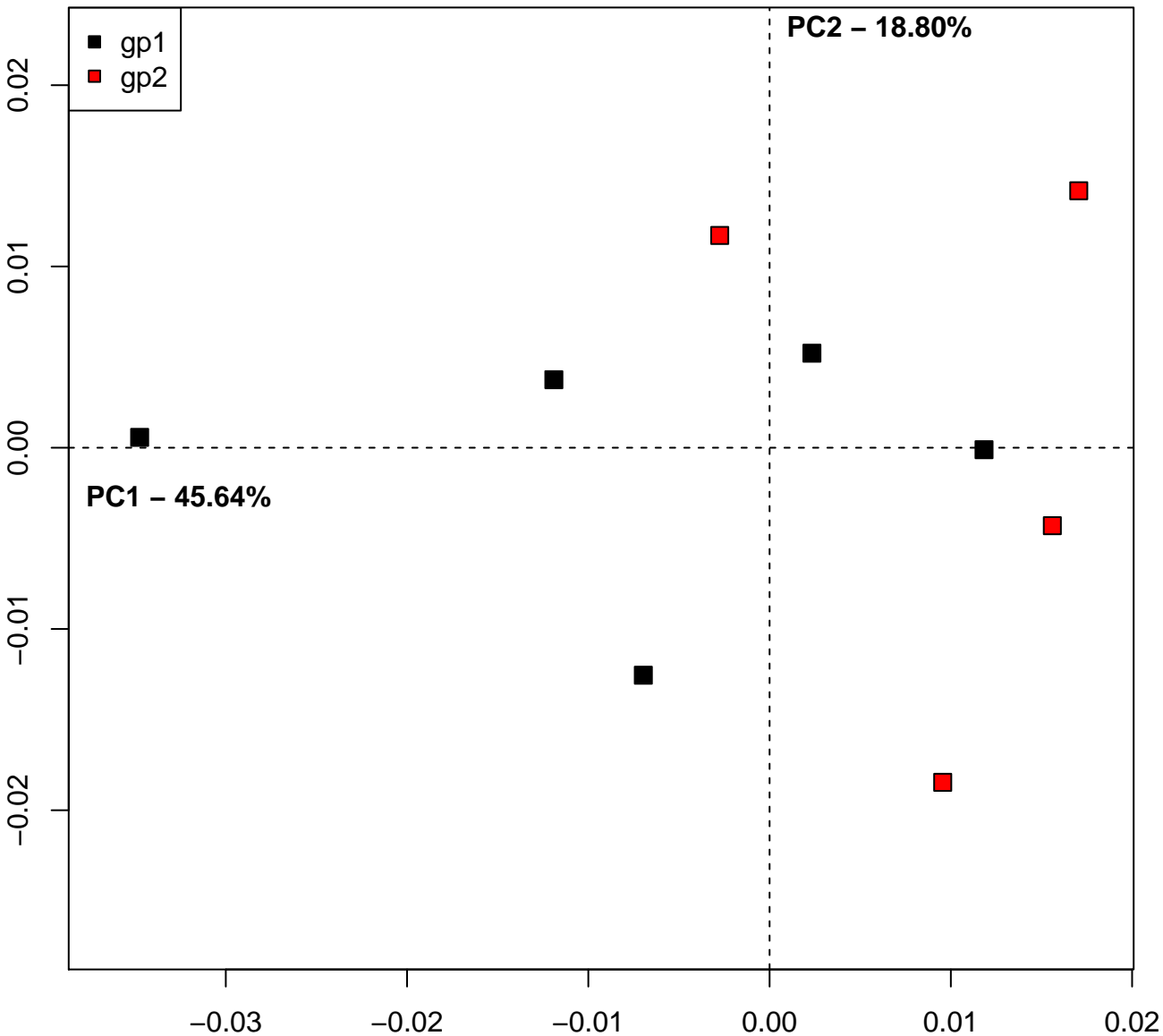
ObservedSlope<sub>black</sub> = -0.6369197



help("globalIntegration")

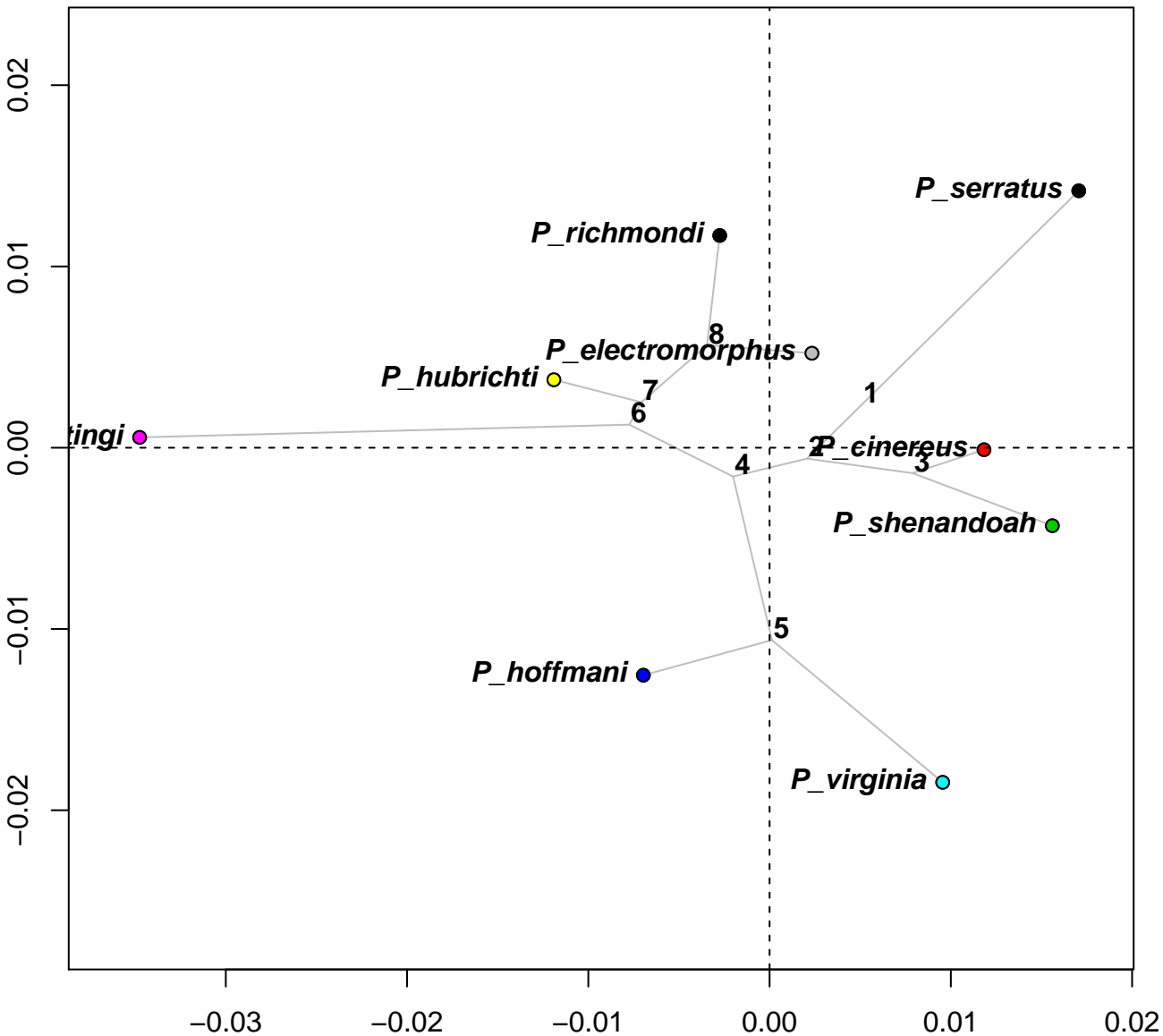




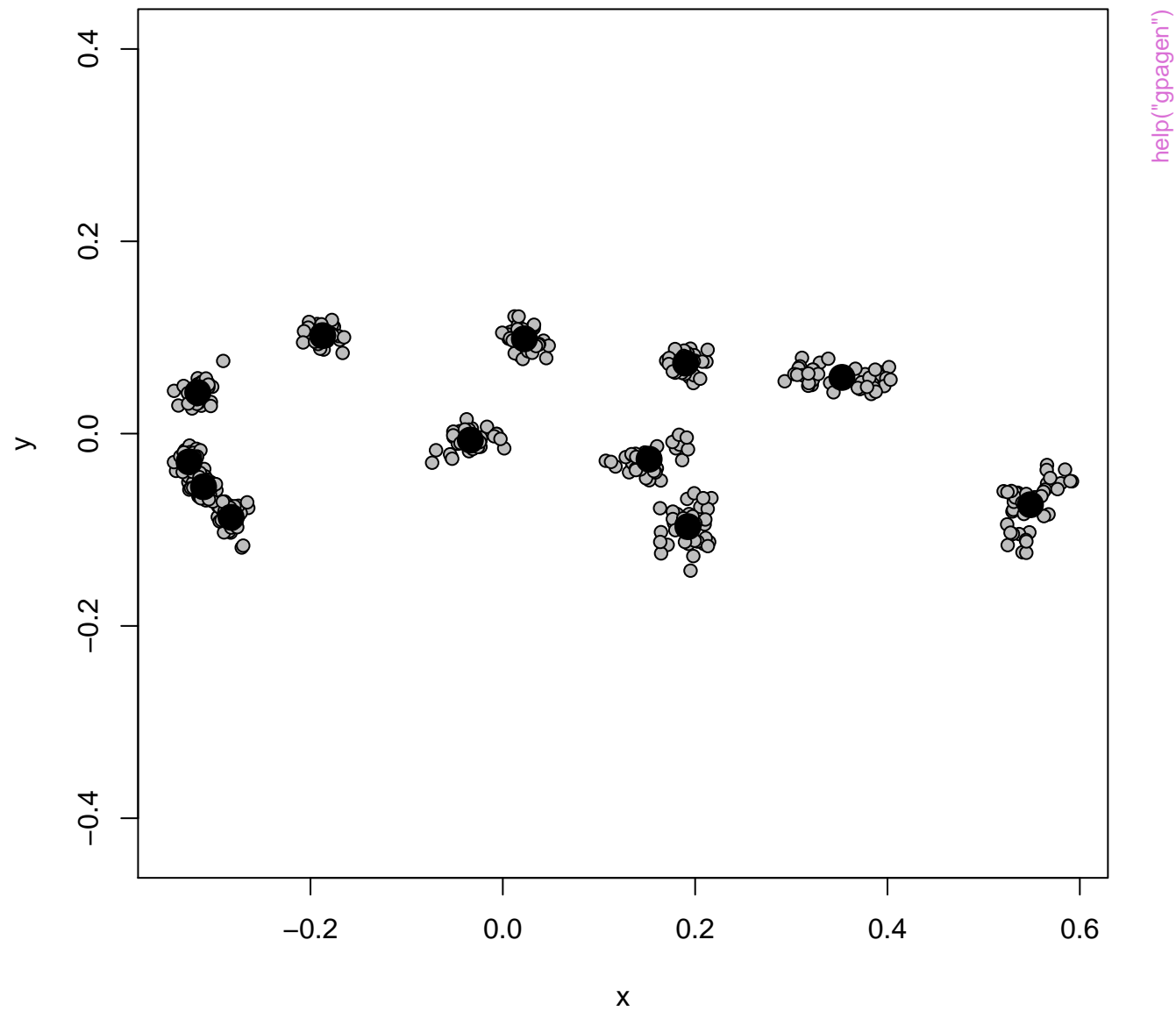


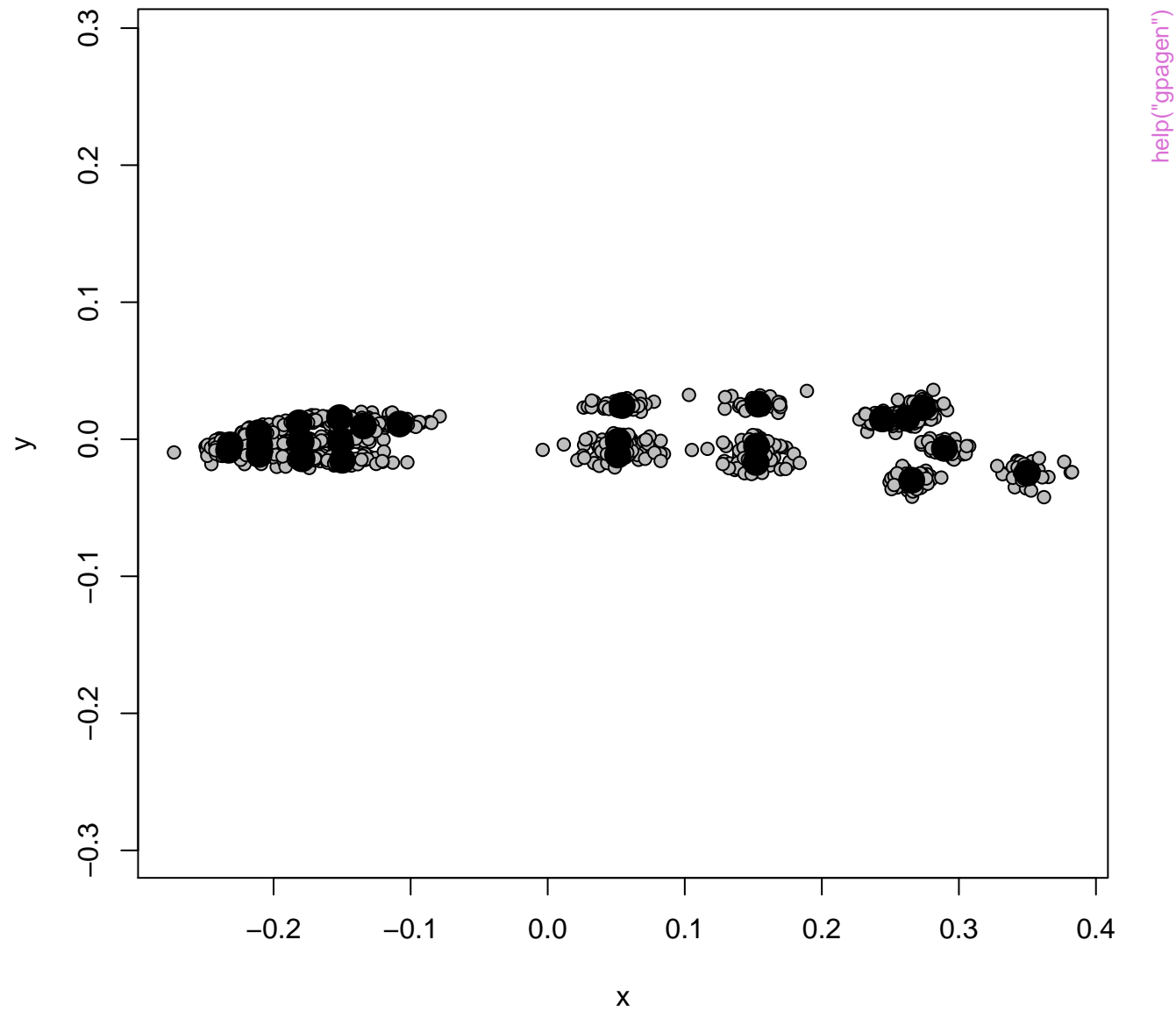
help("gm.prcomp")

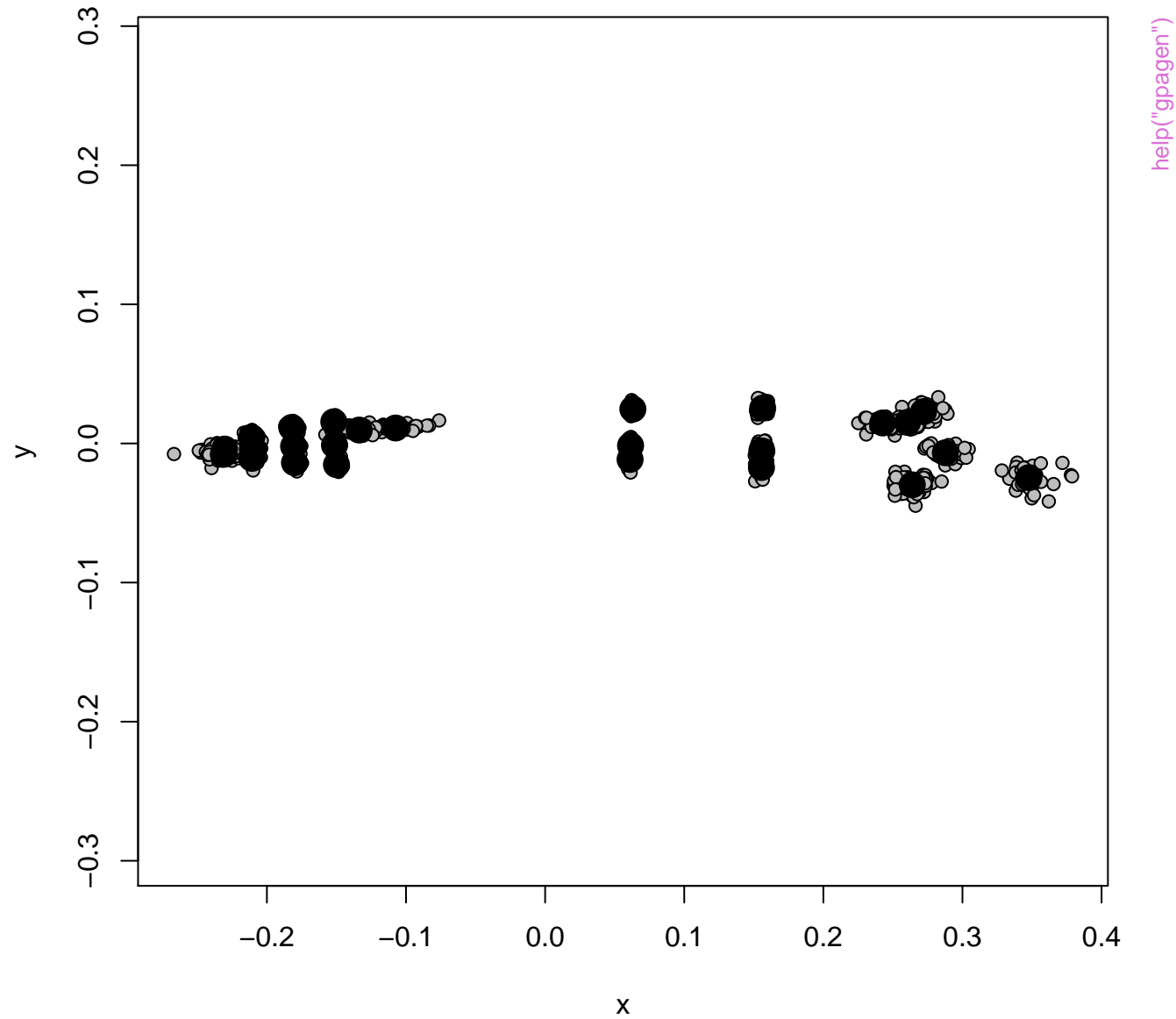
# phylomorphospace

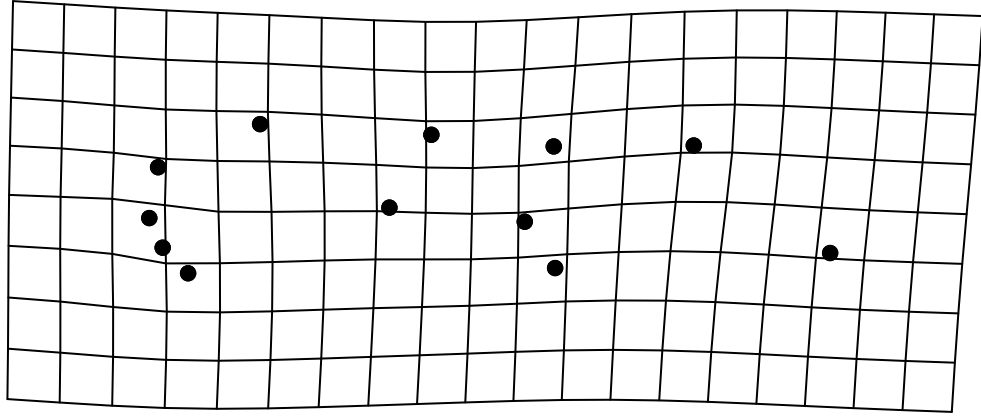


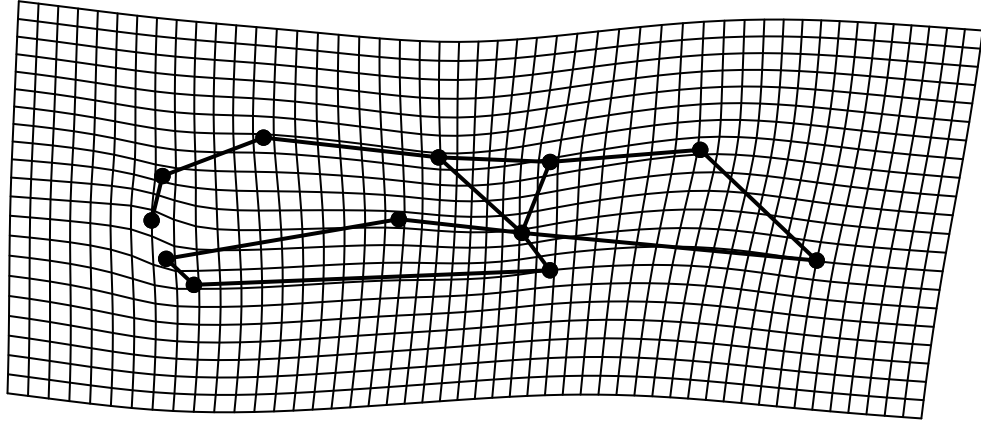
help("gm.prcomp")



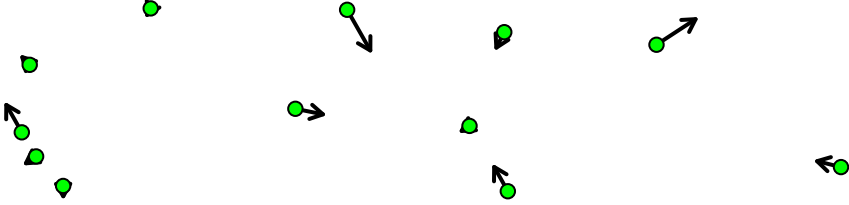




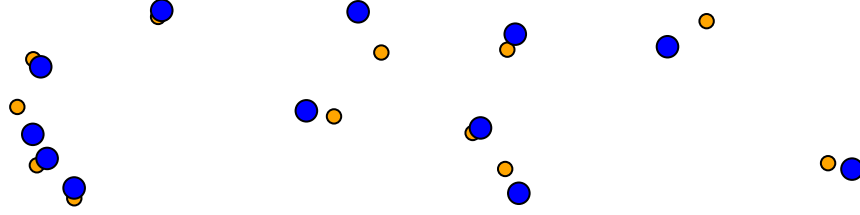


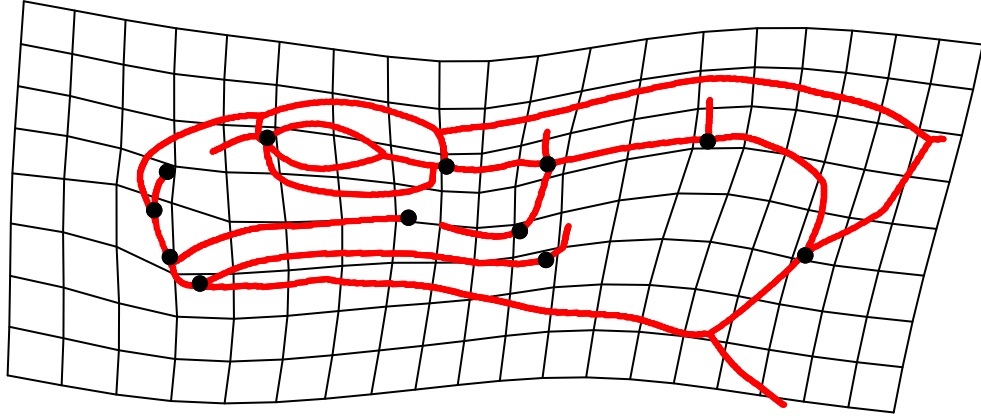




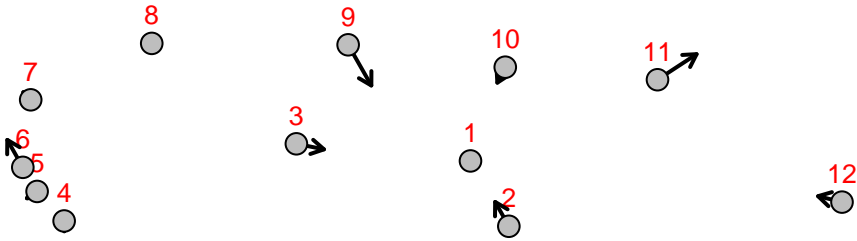


help("gridPar")

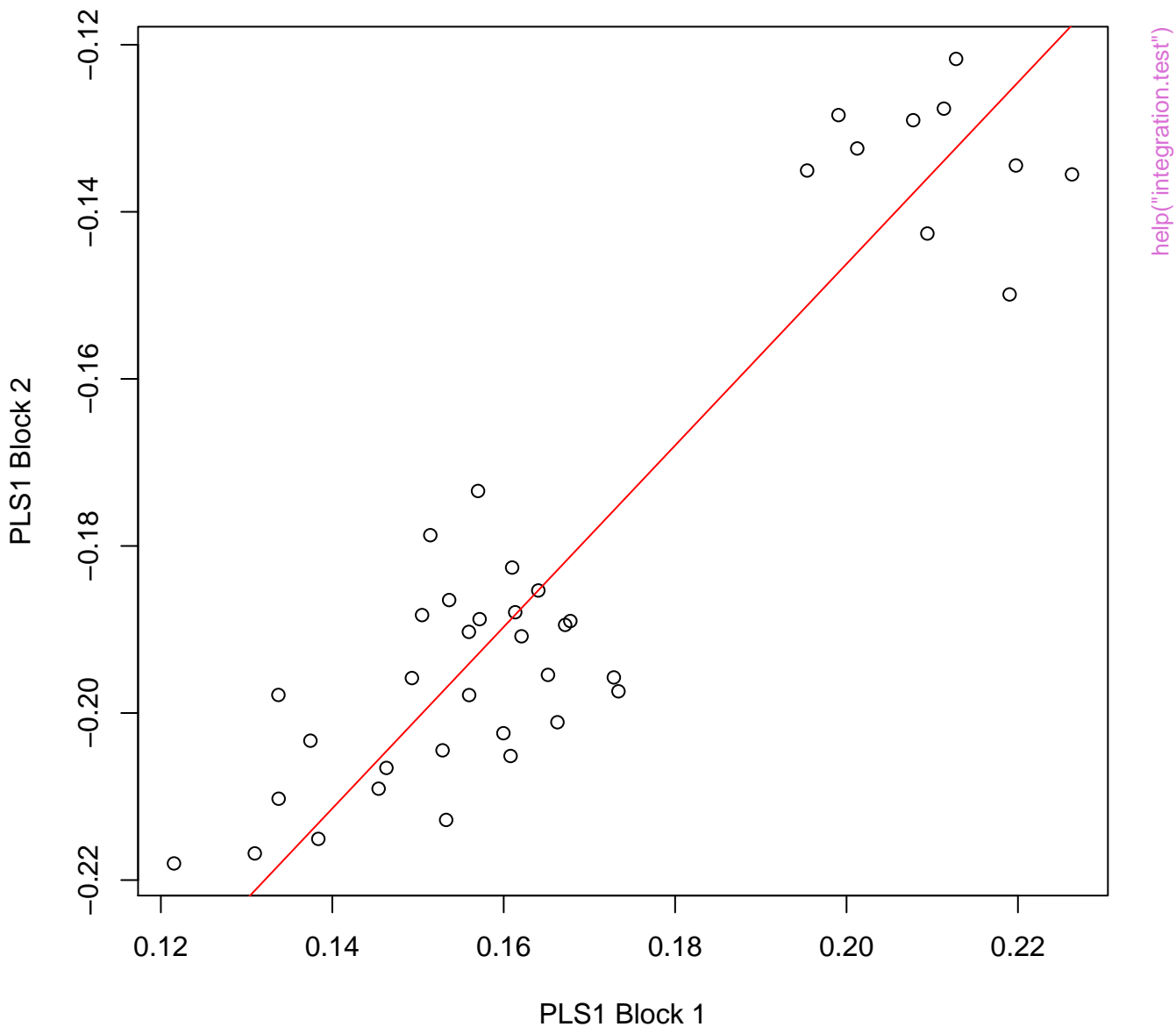




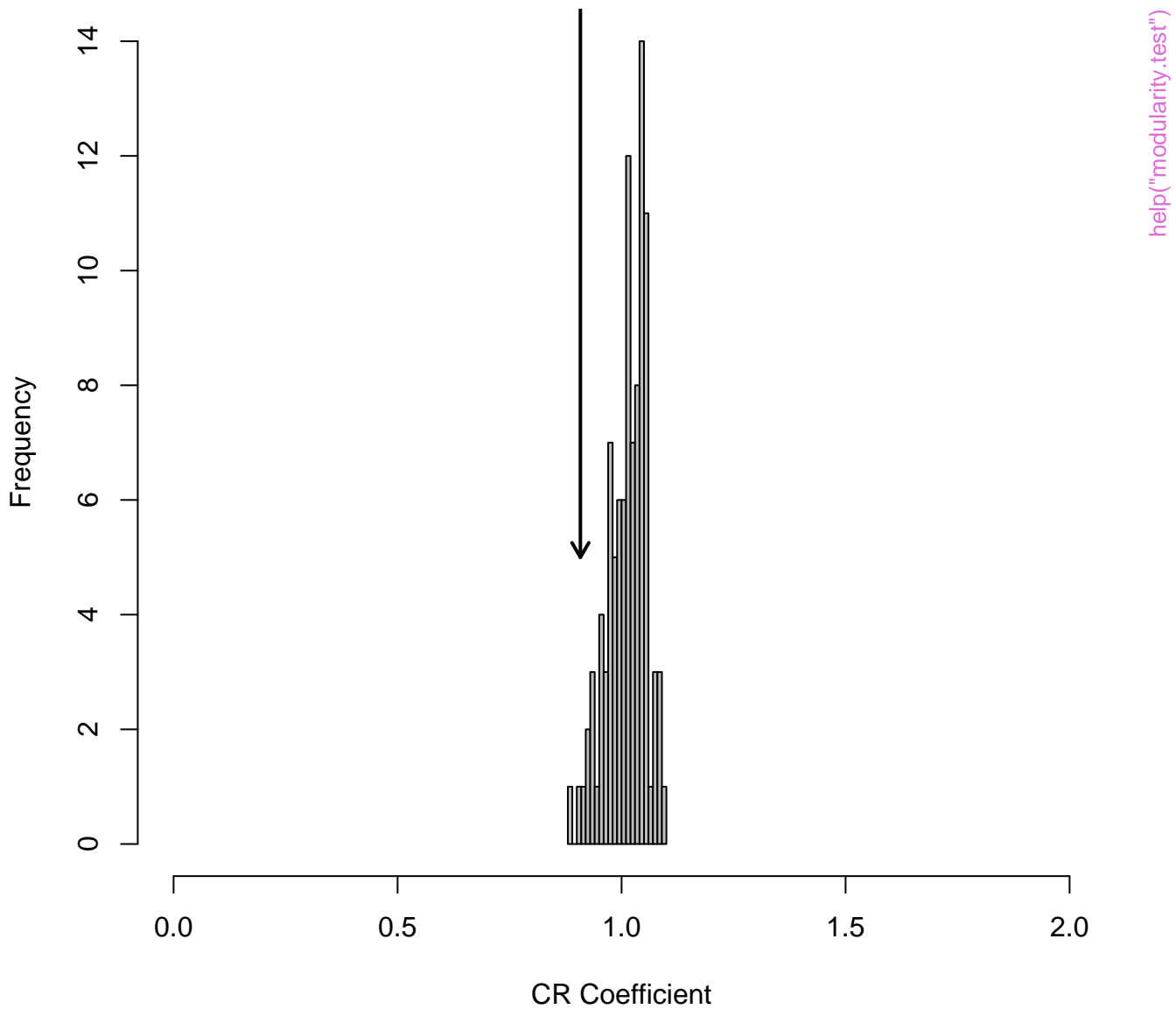
```
help("gridPar")
```



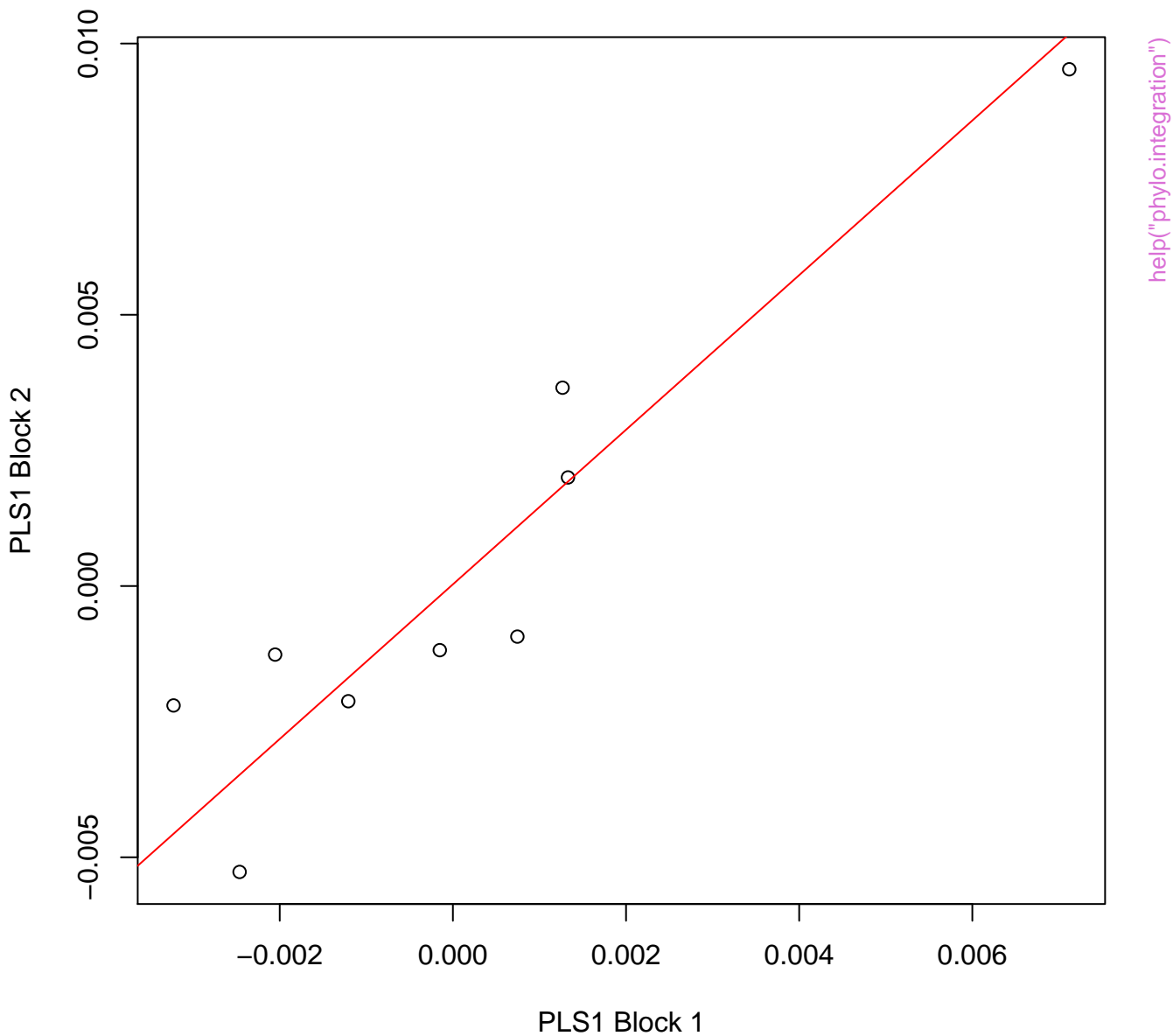
PLS1 Plot: Block 1 (X) vs. Block 2 (Y)



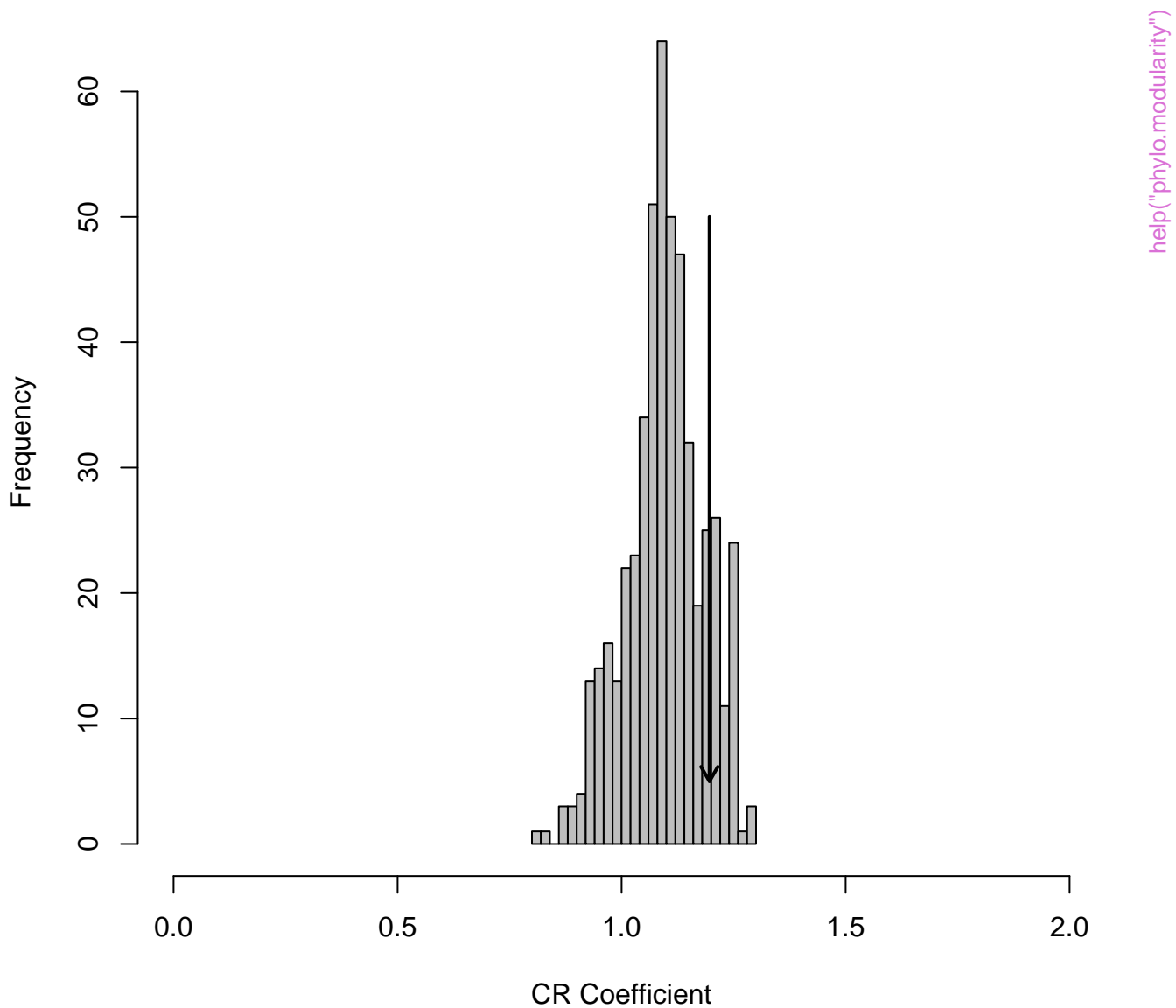
Observed CR = 0.908 ; P-value = 0.02



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

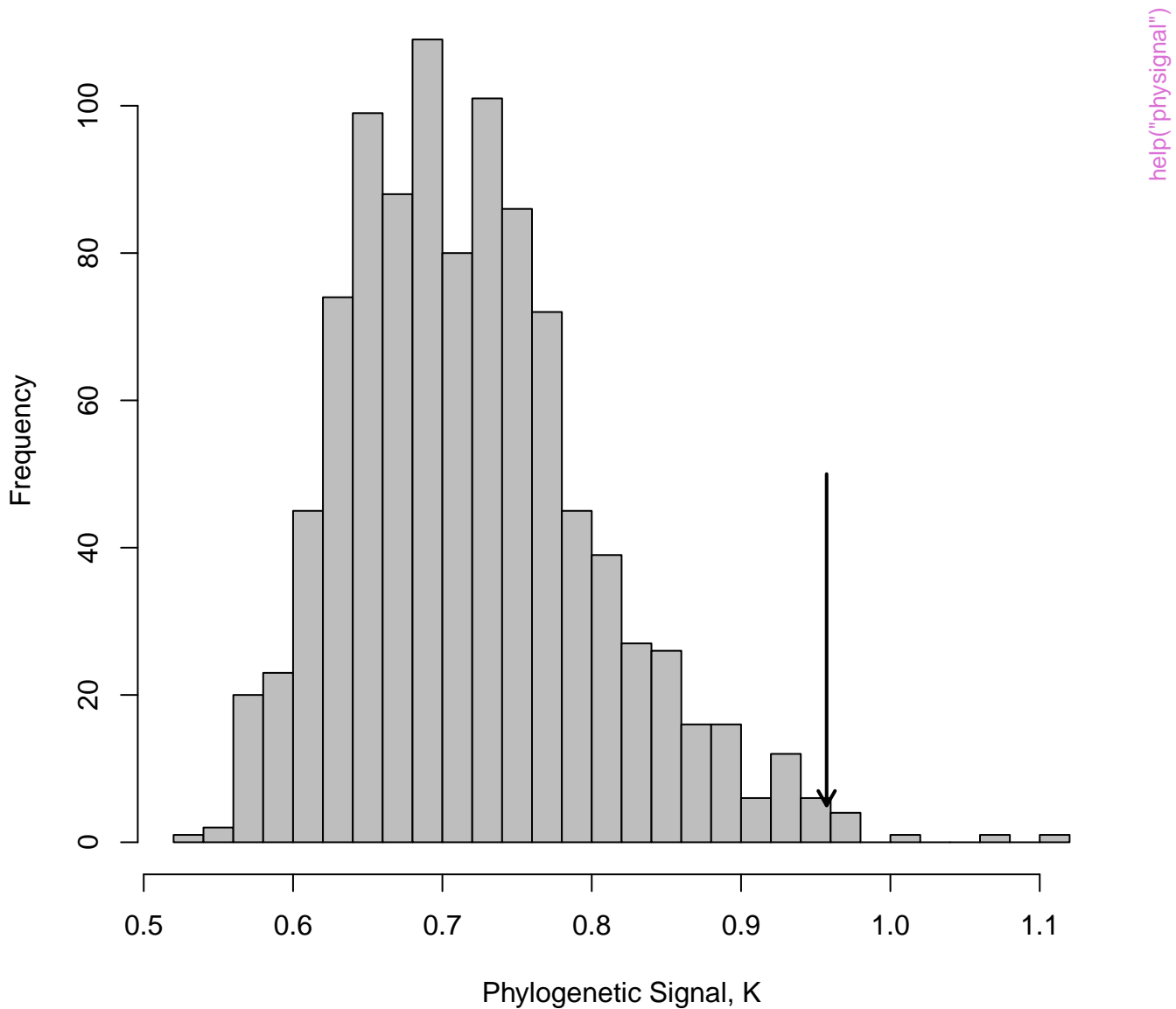


Observed CR = 1.196 ; P-value = 0.854

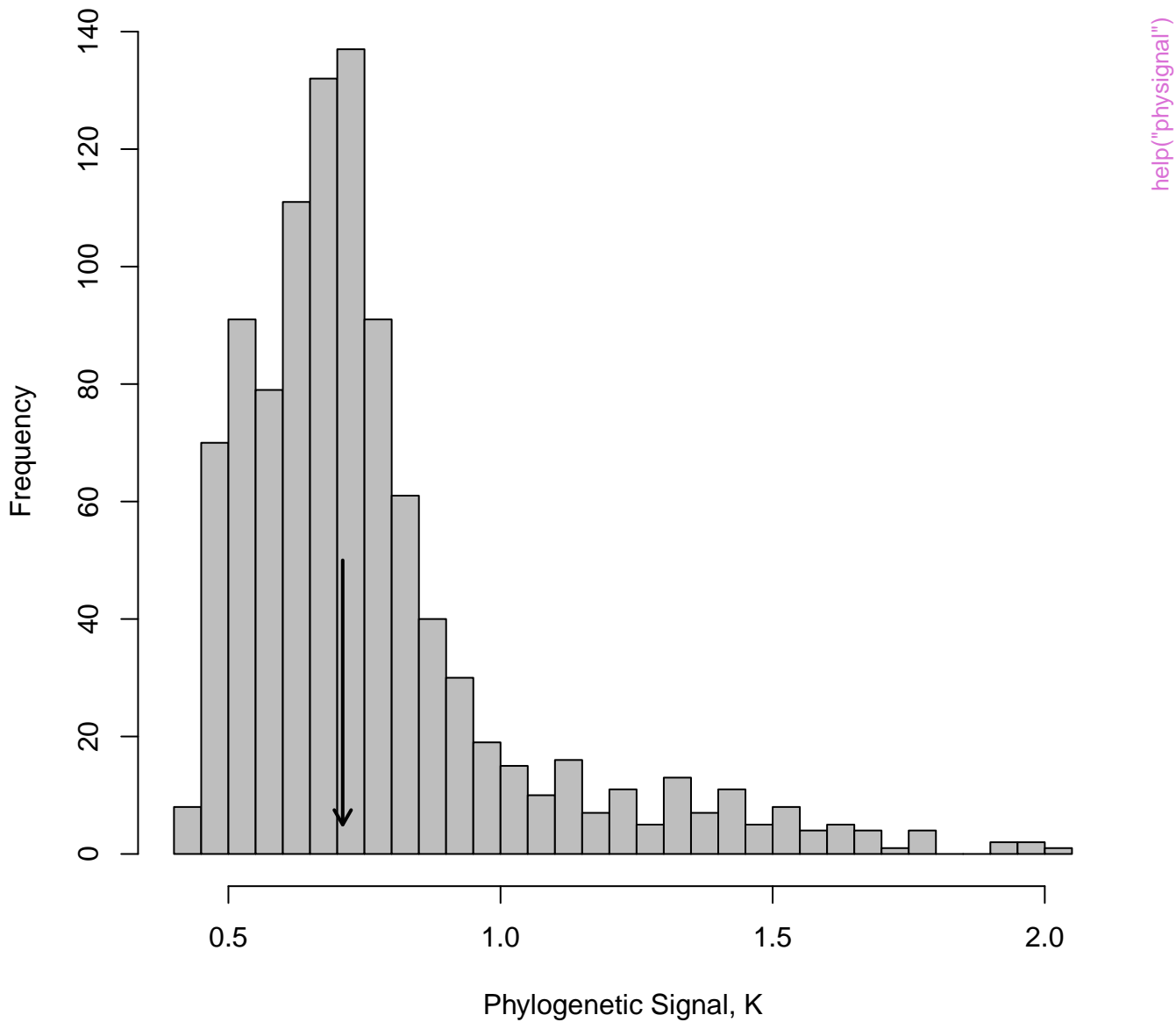


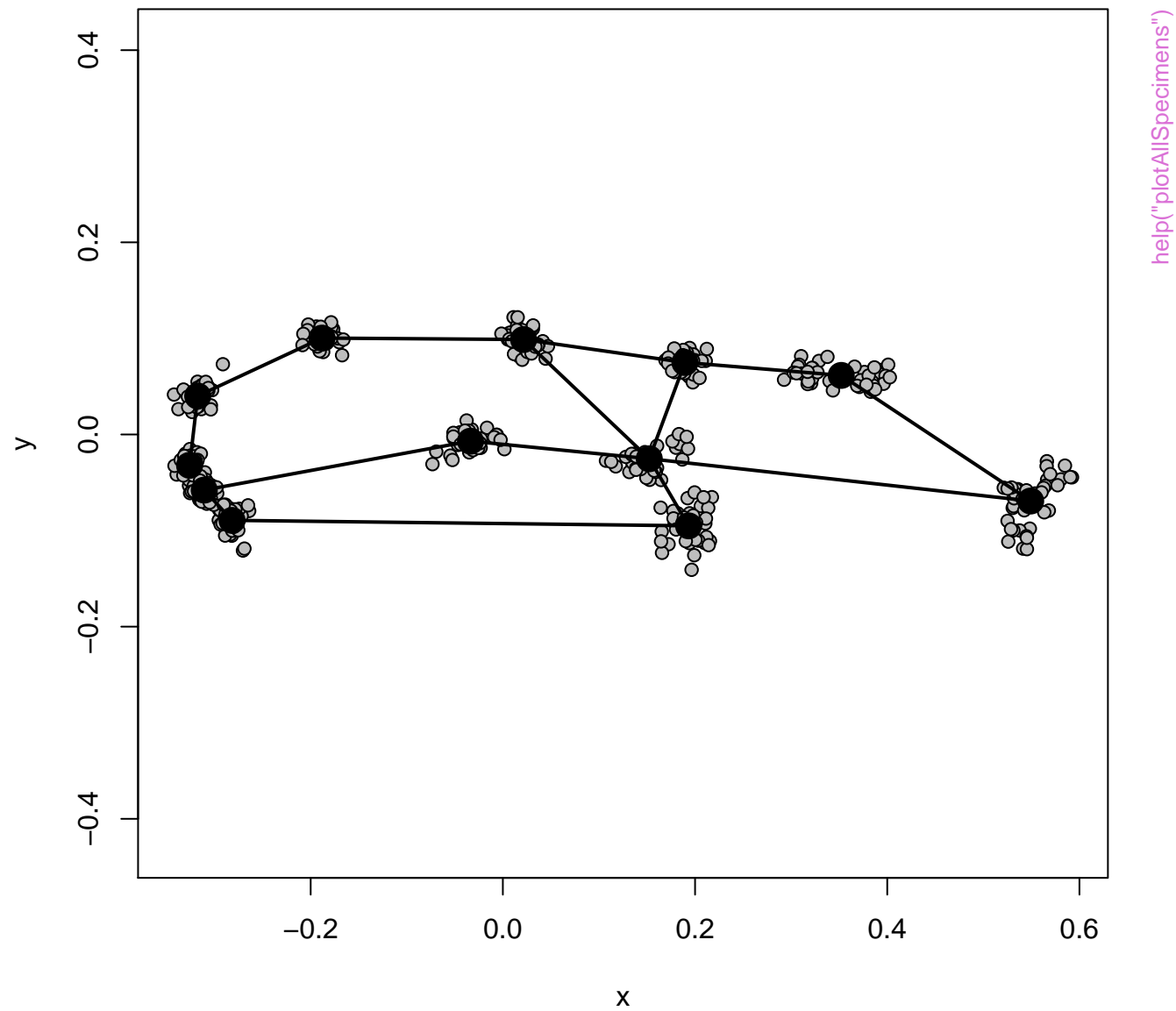


Observed K = 0.957299083638102 ; P-value = 0.008000000000000001

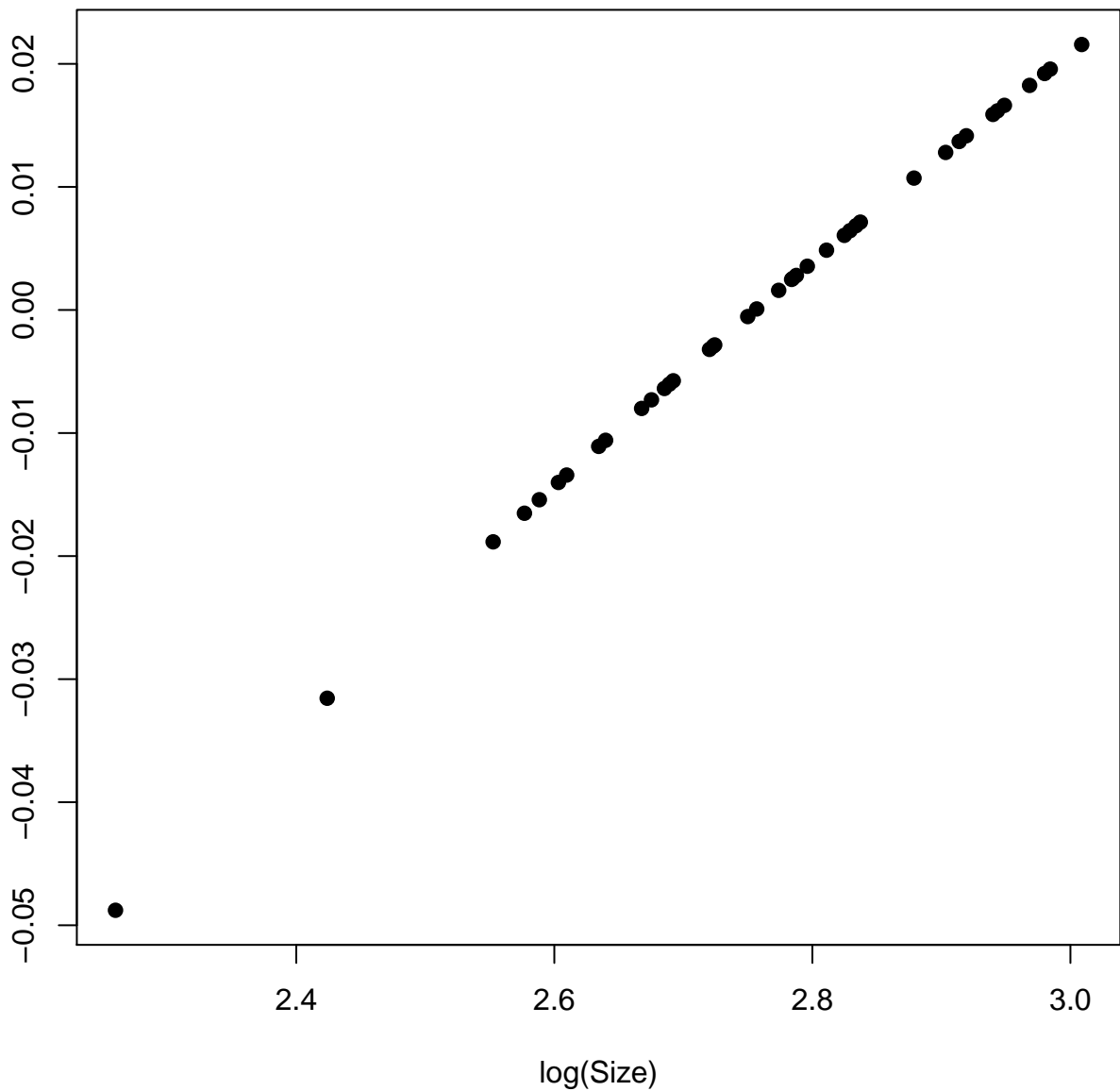


Observed K = 0.71 ; P-value = 0.477



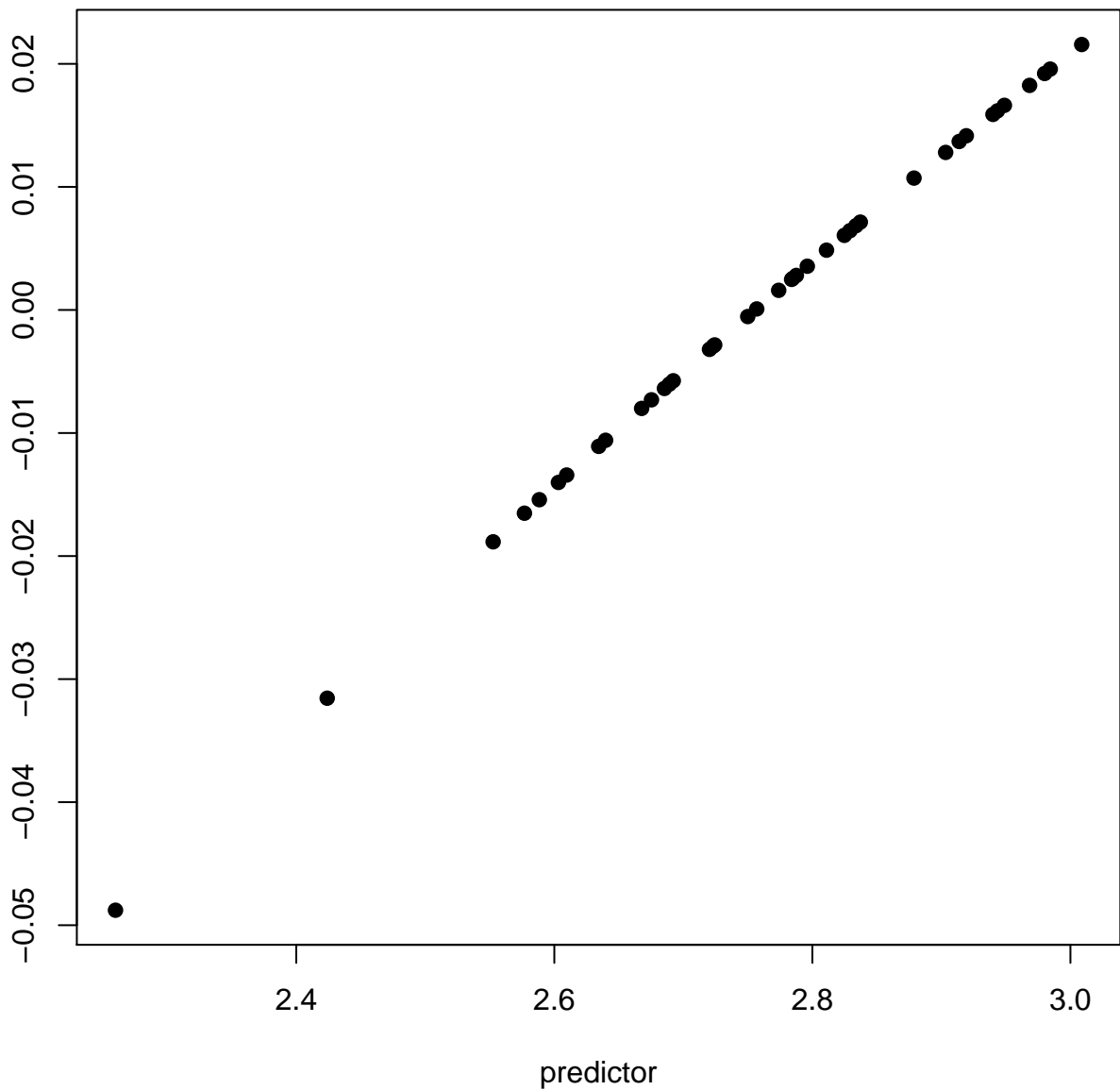


PC 1 for fitted values

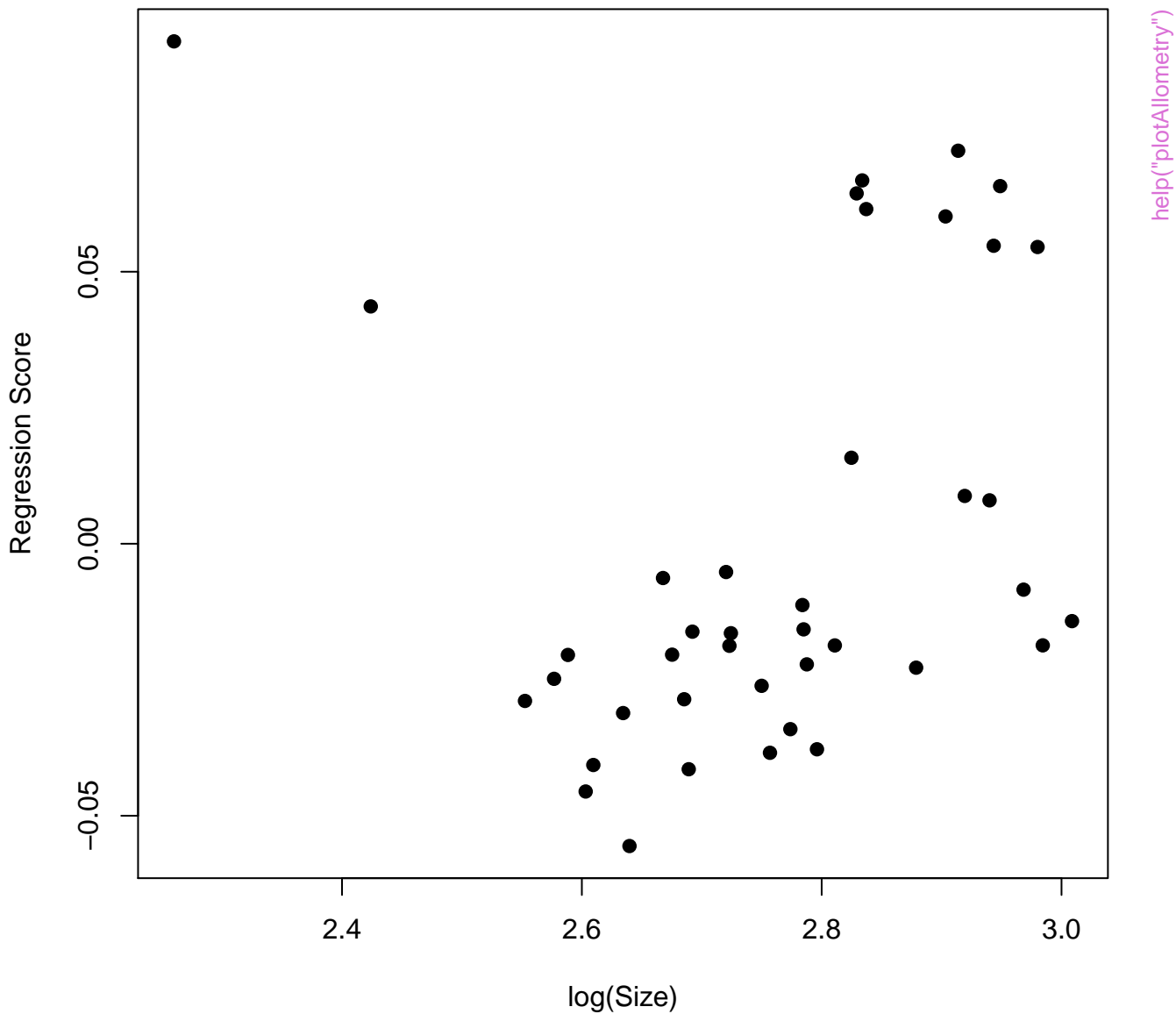


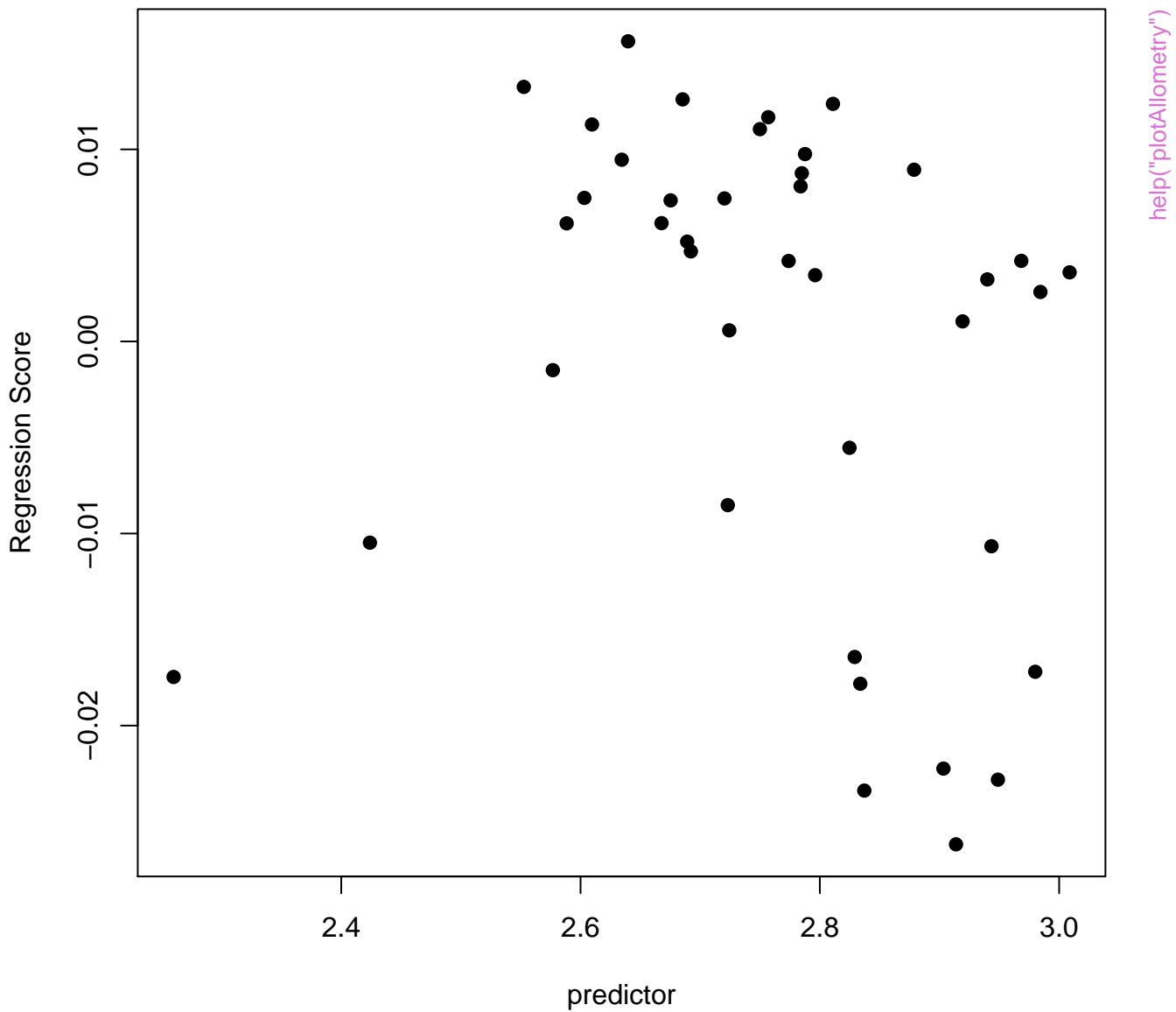
[help\("plotAllometry"\)](#)

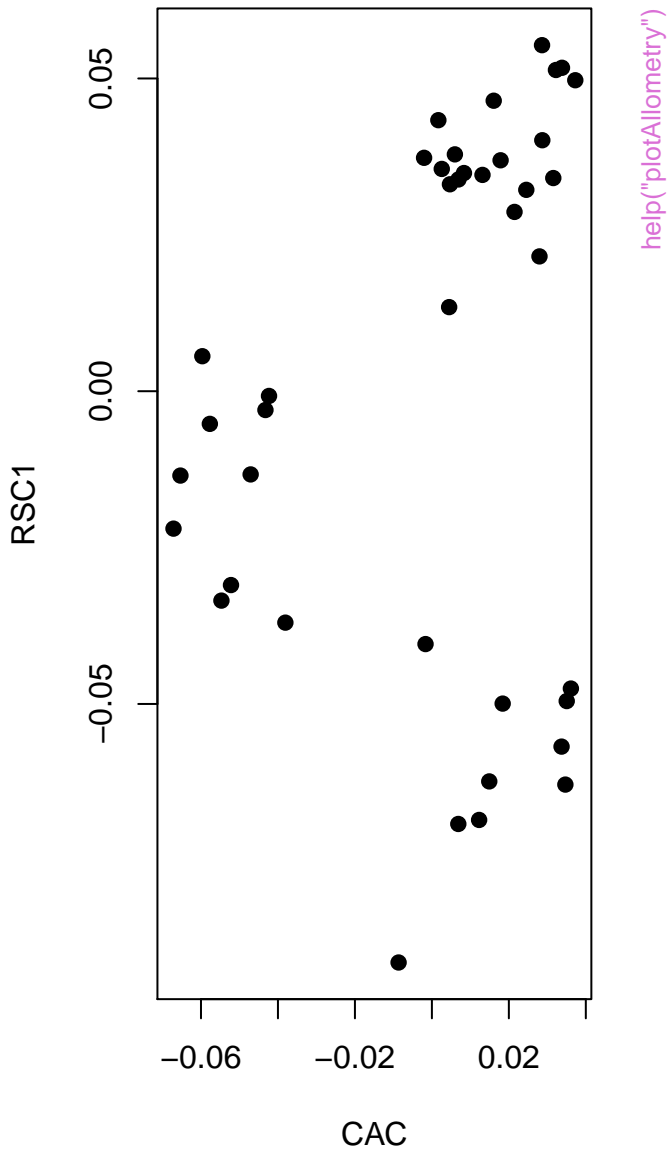
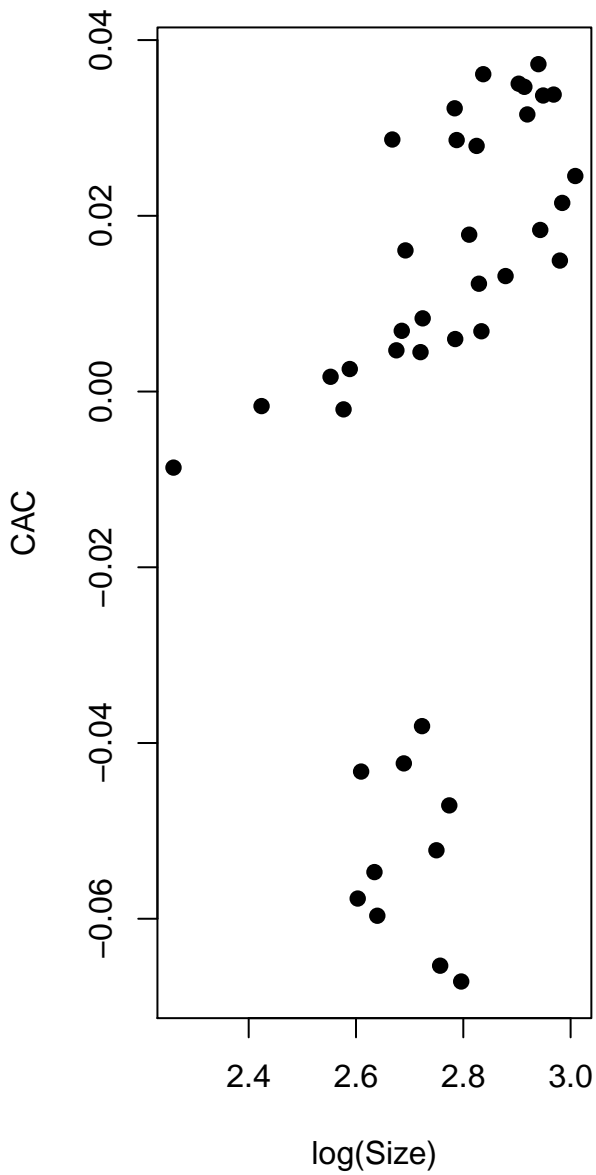
PC 1 for fitted values



help("plotAllometry")

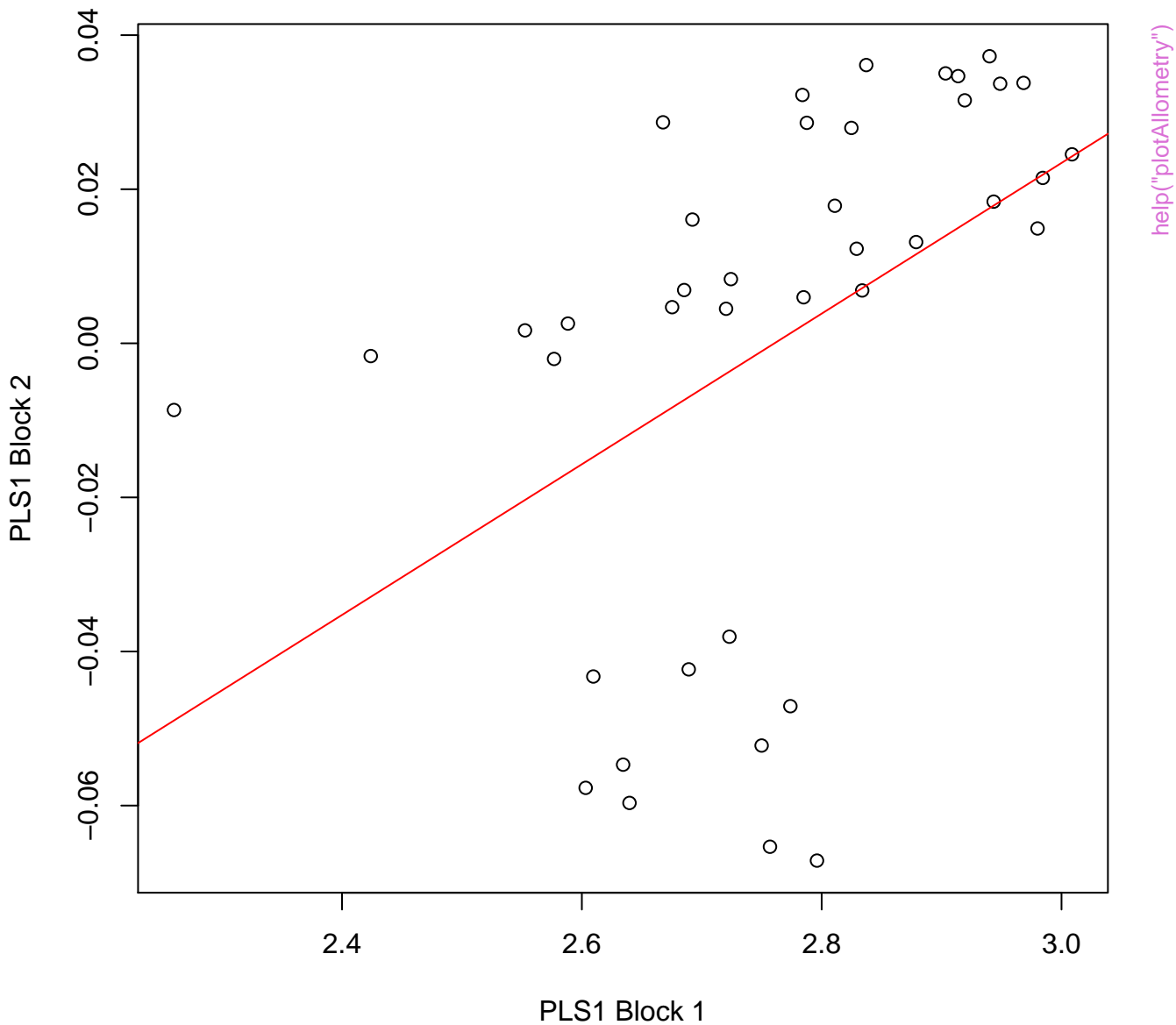


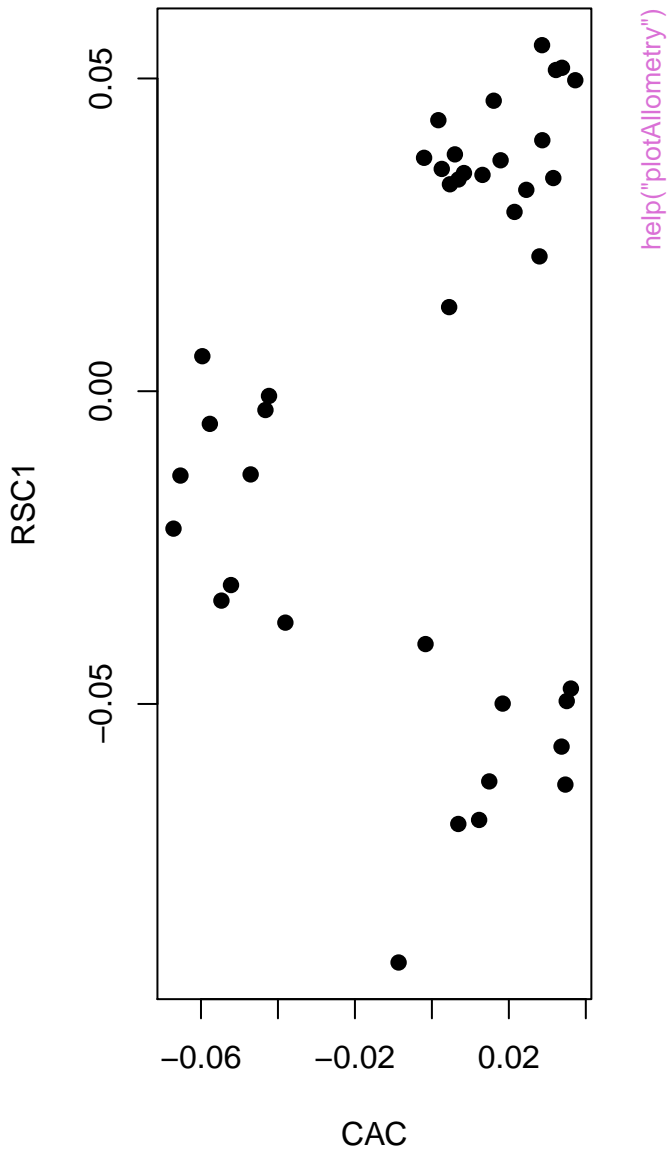
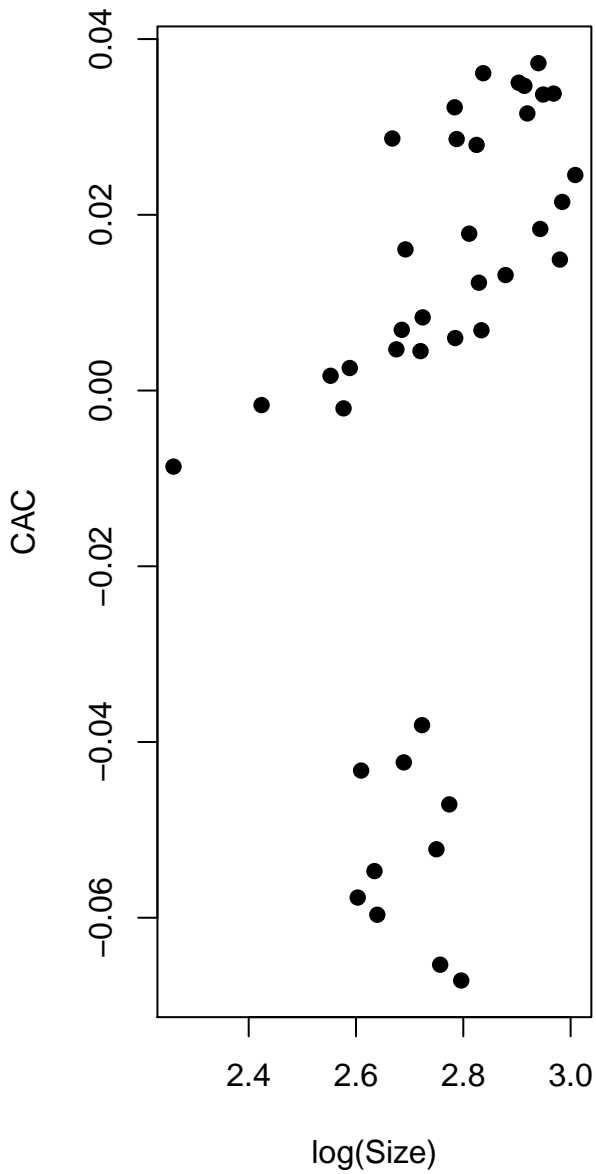




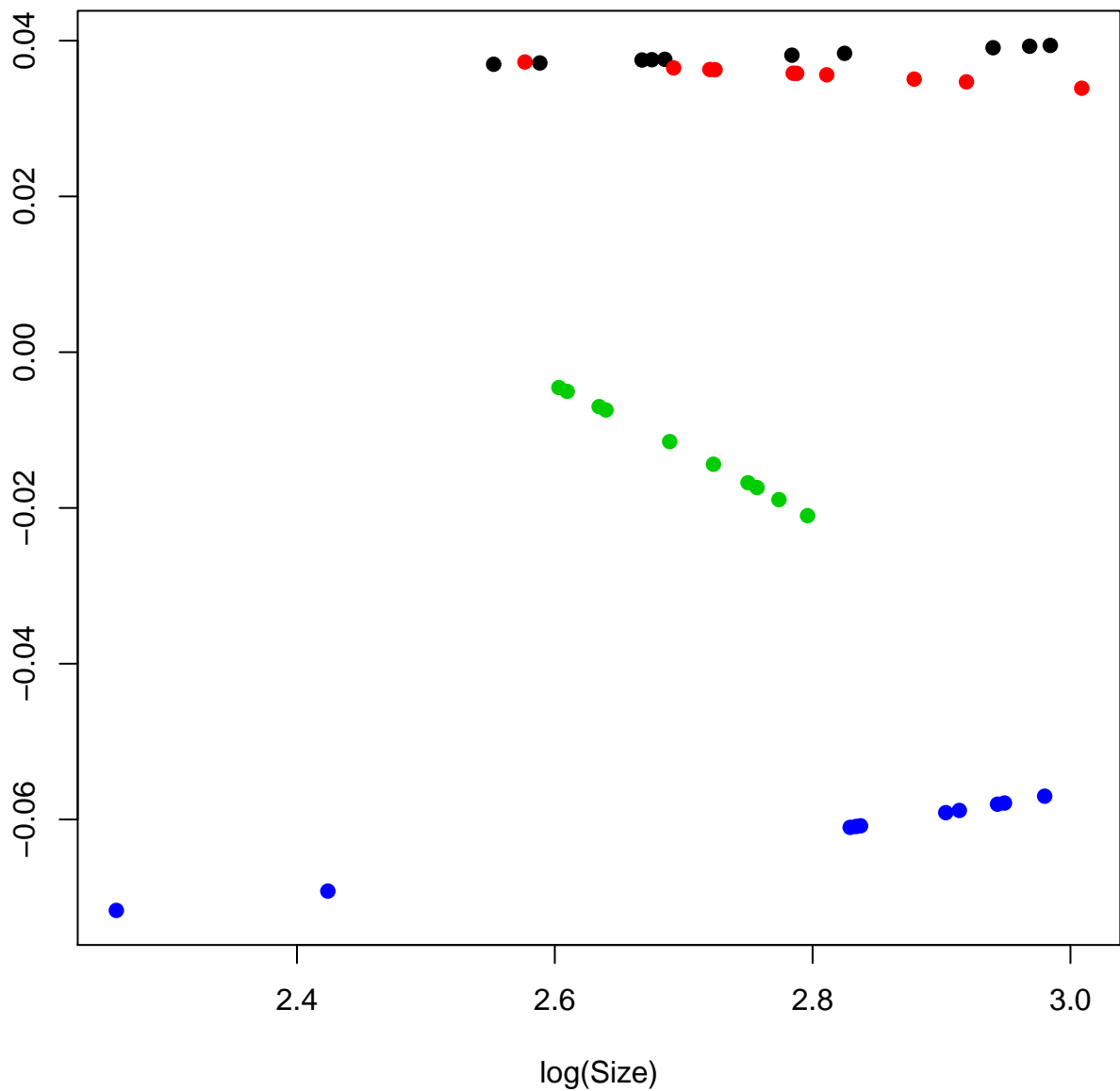


PLS1 Plot: Block 1 (X) vs. Block 2 (Y)

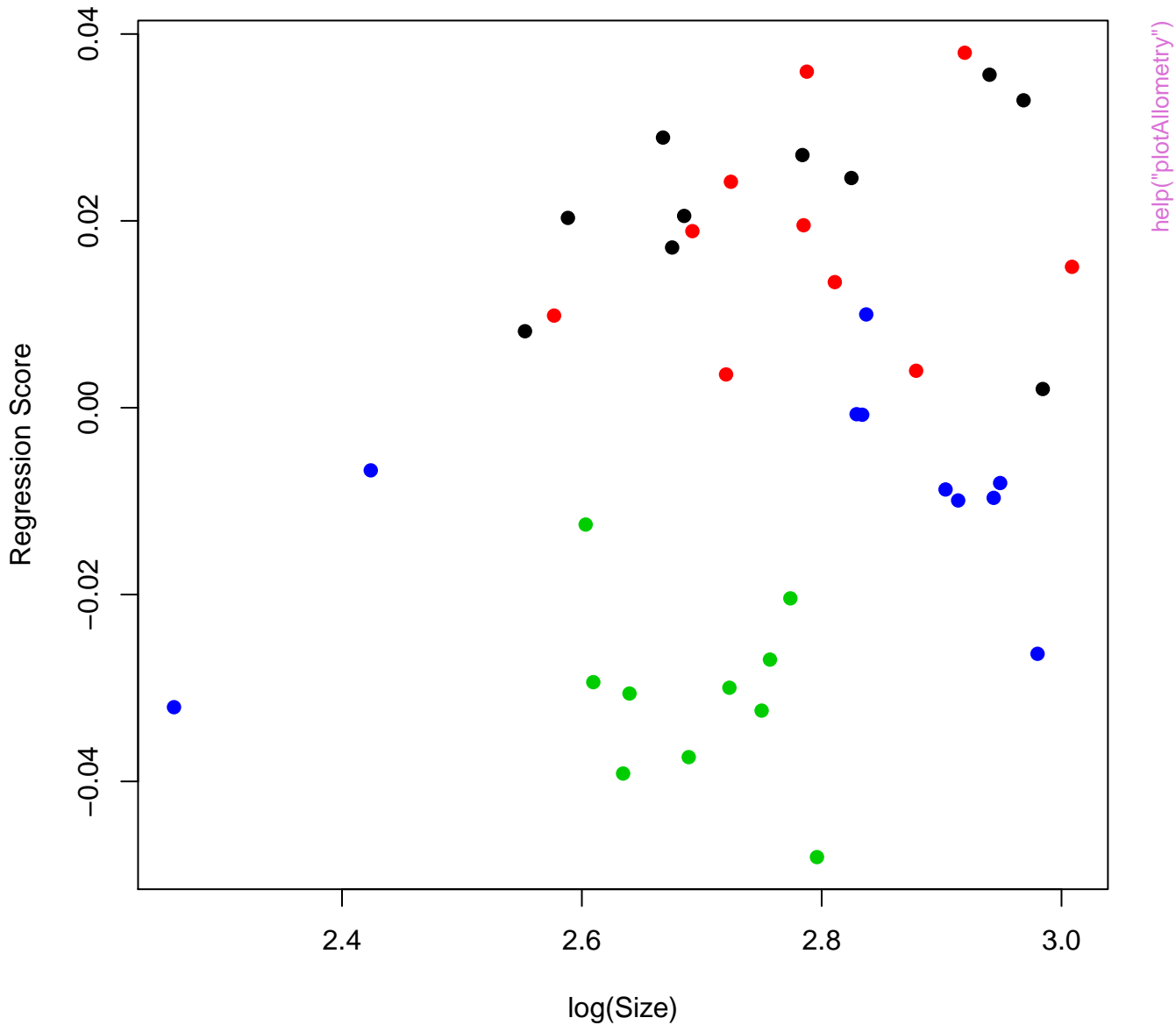




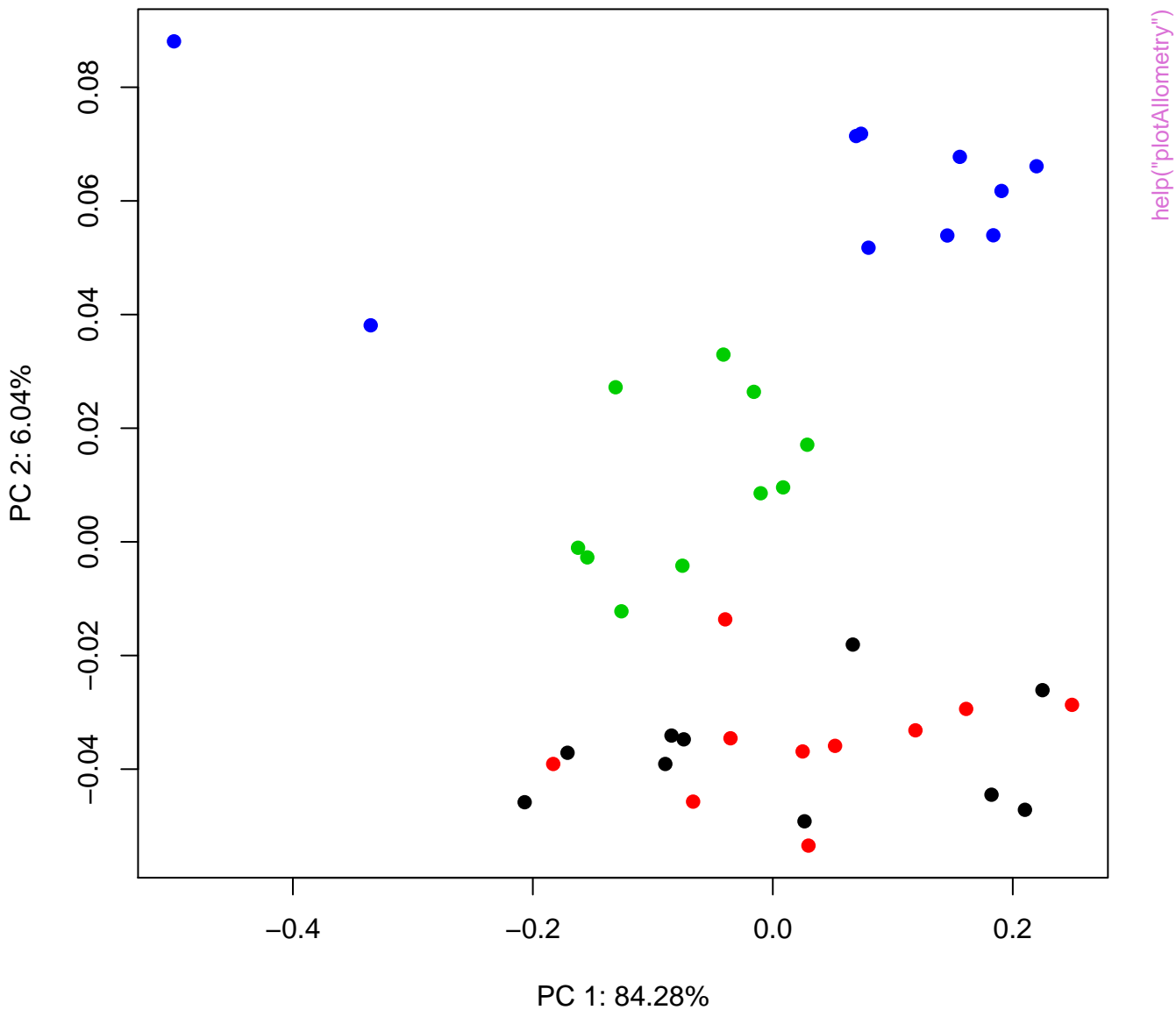
PC 1 for fitted values

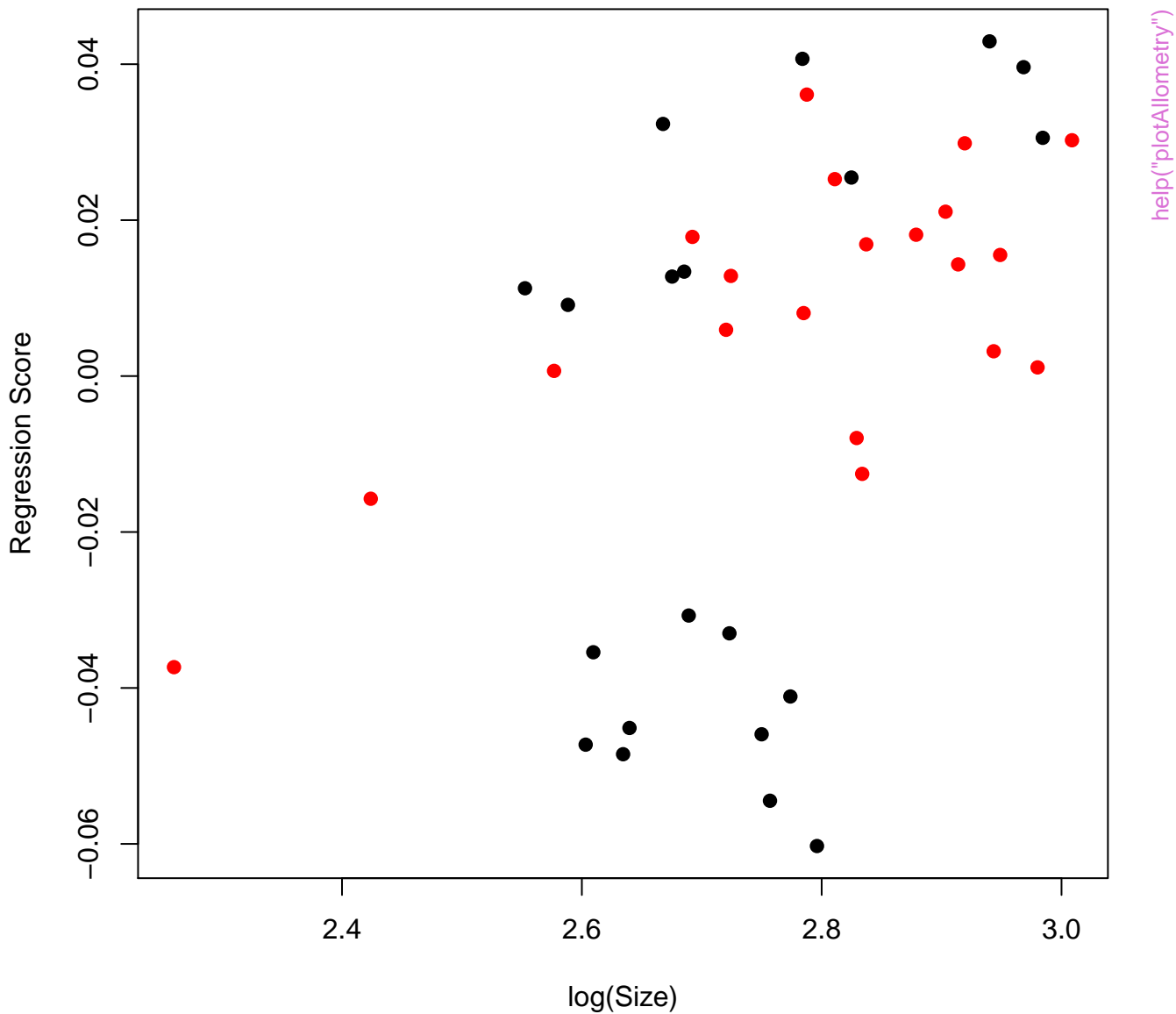


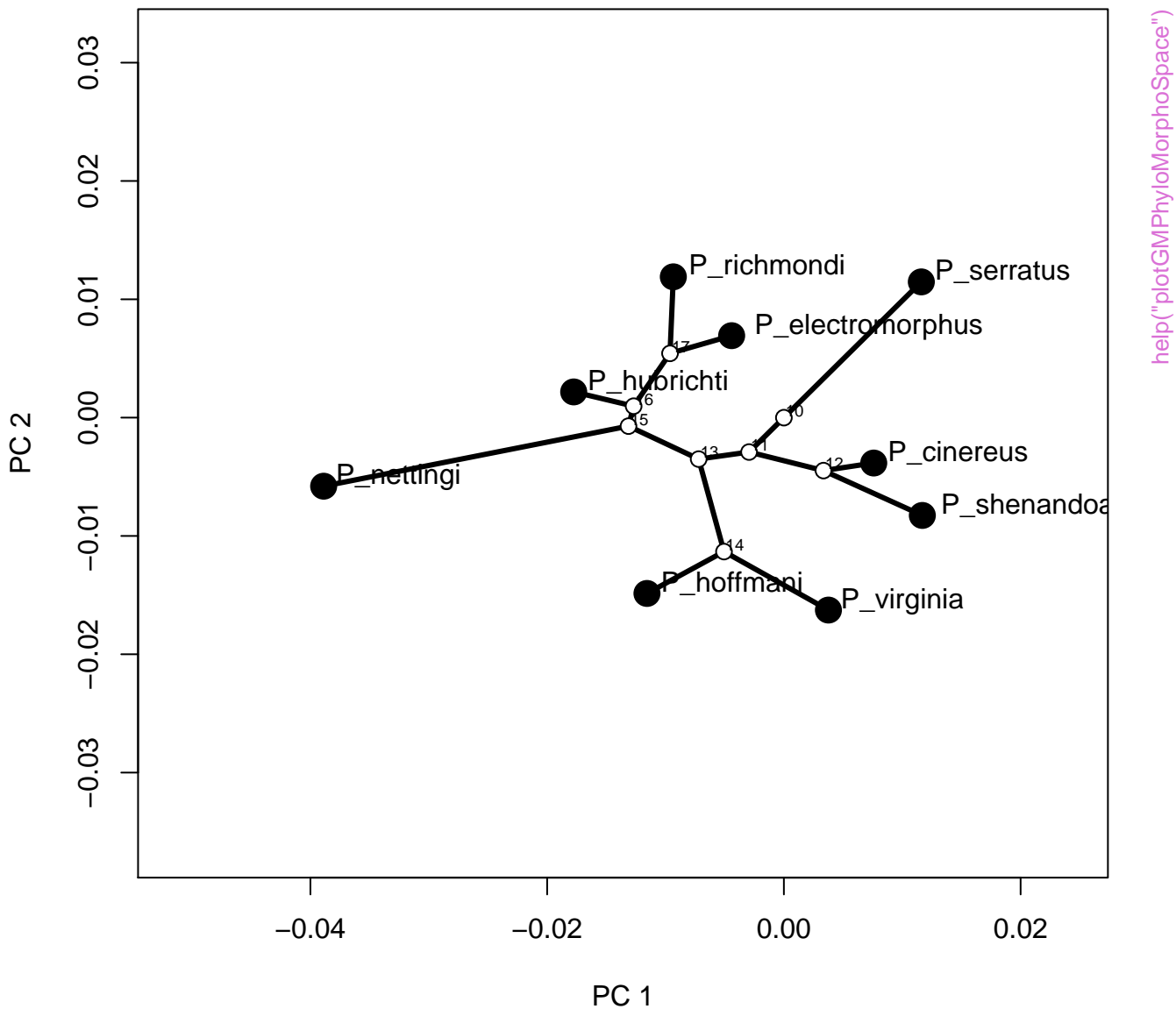
help("plotAllometry")

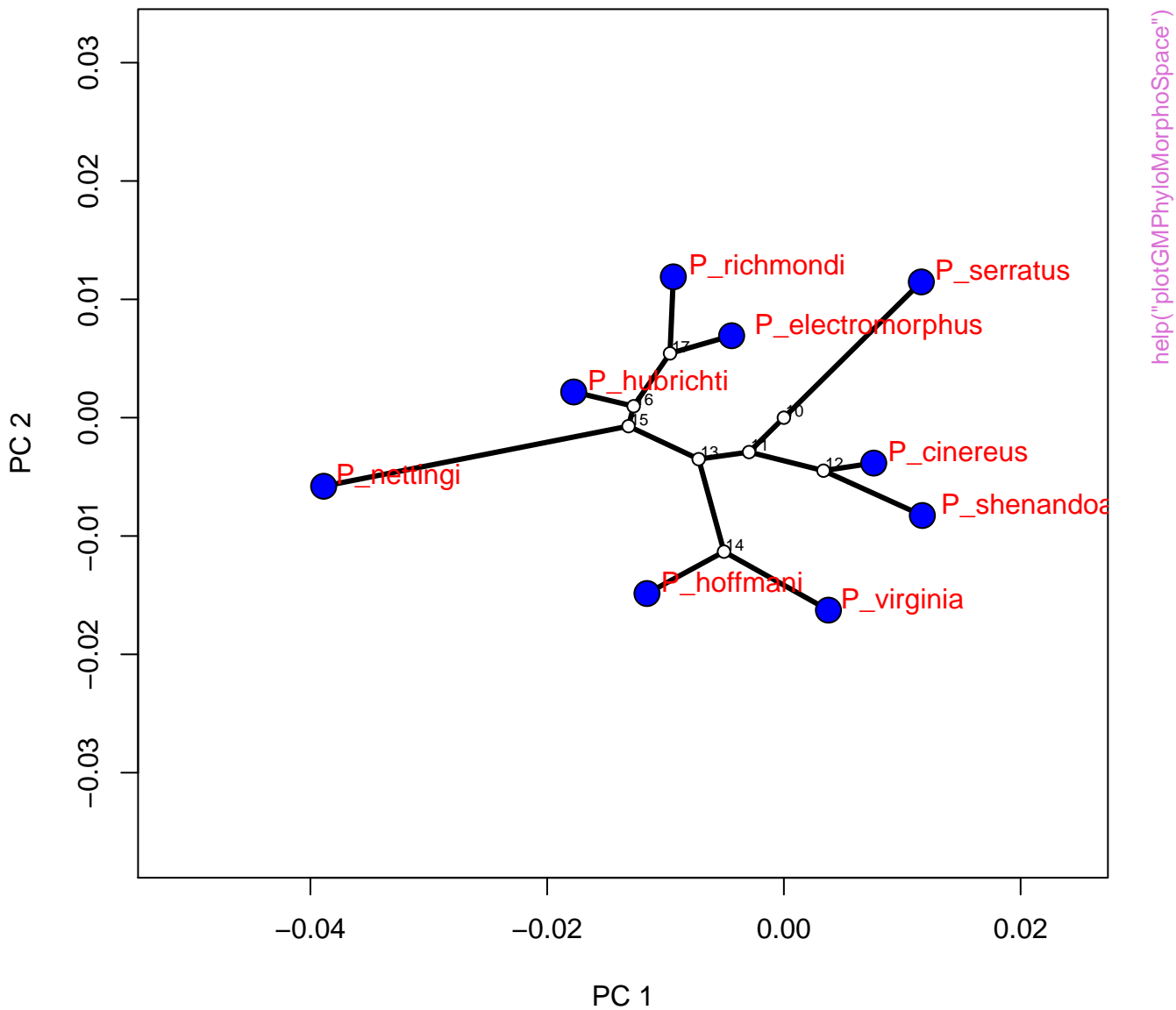


Size-Shape PC plot



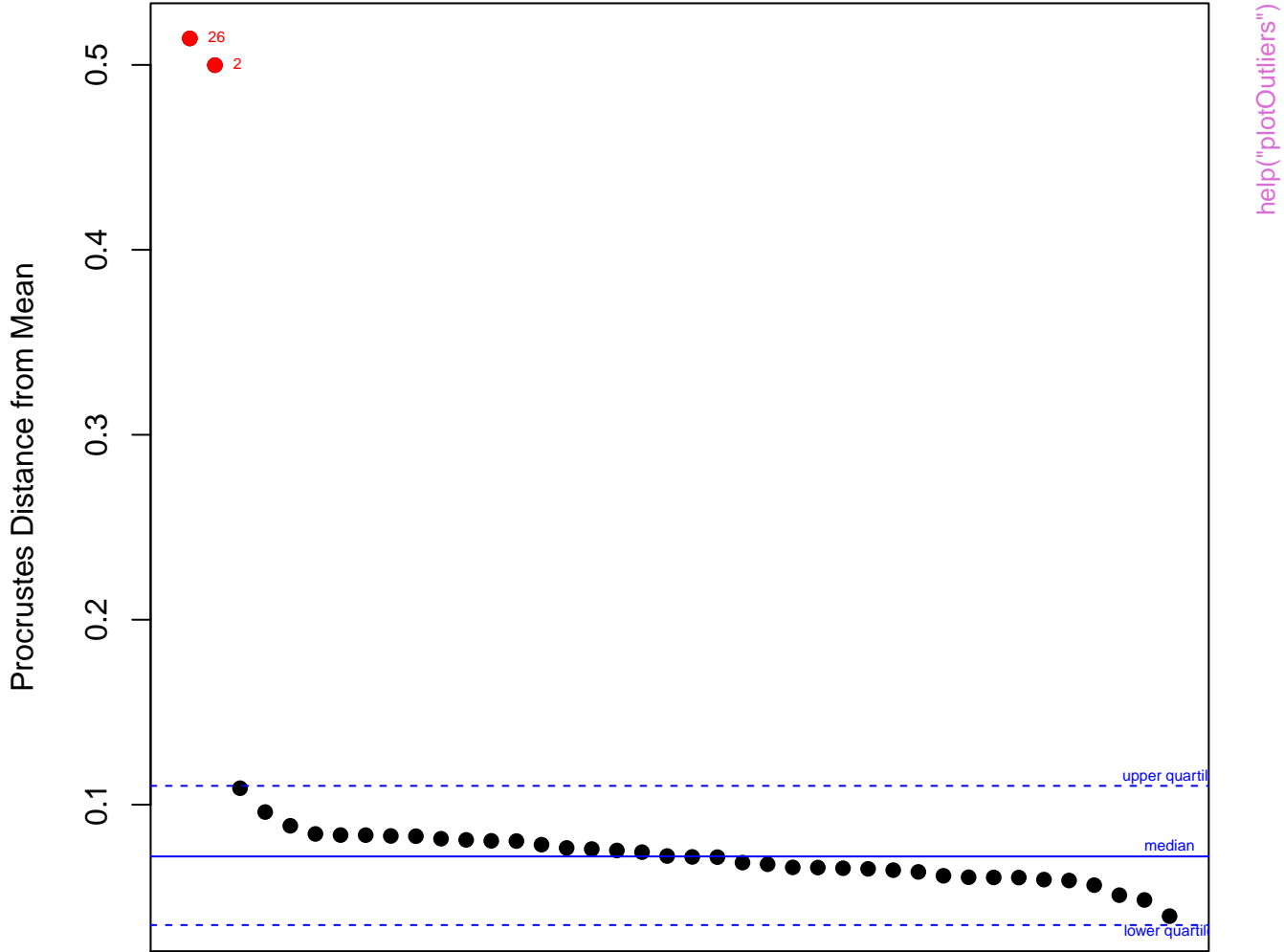




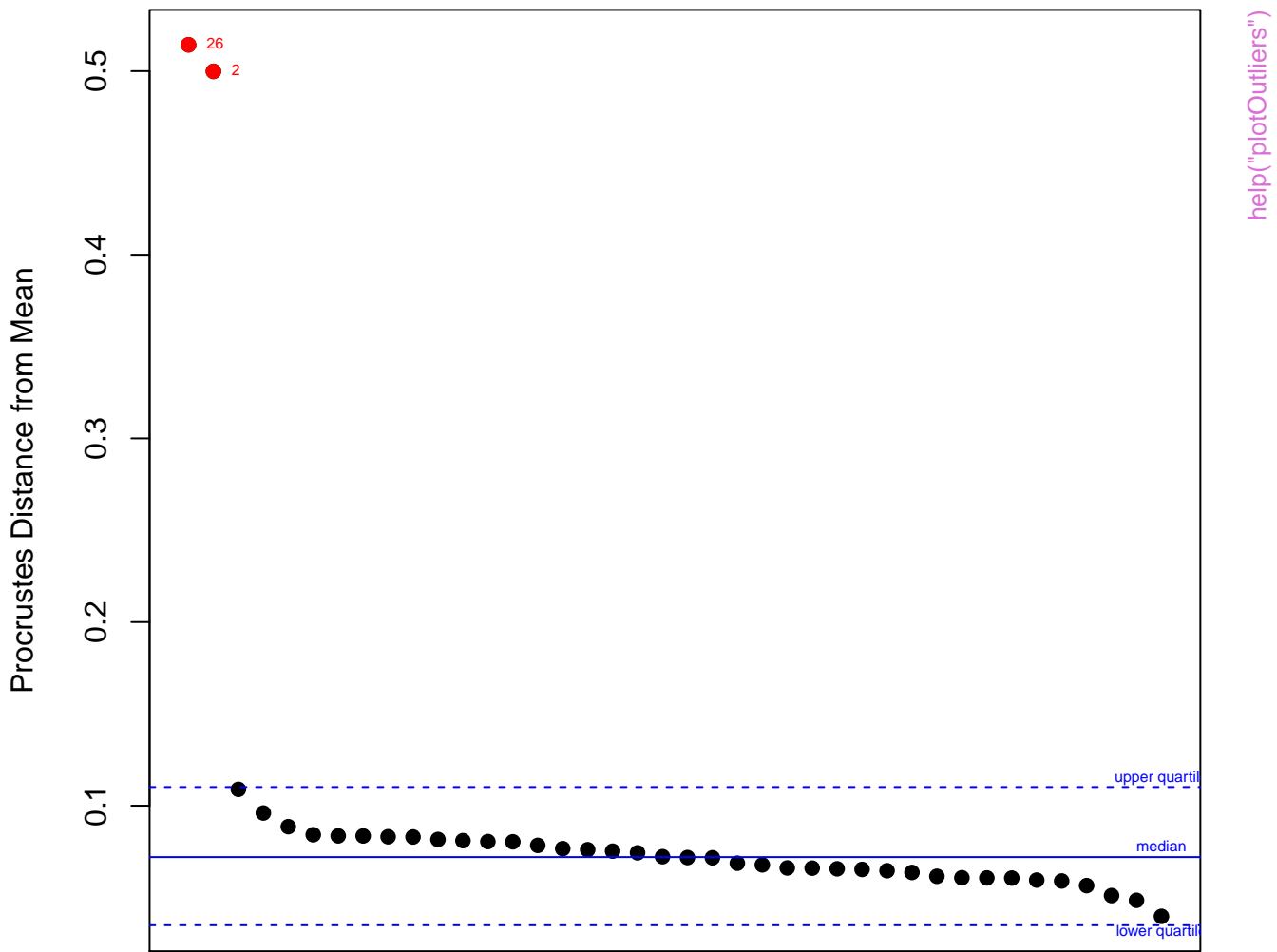




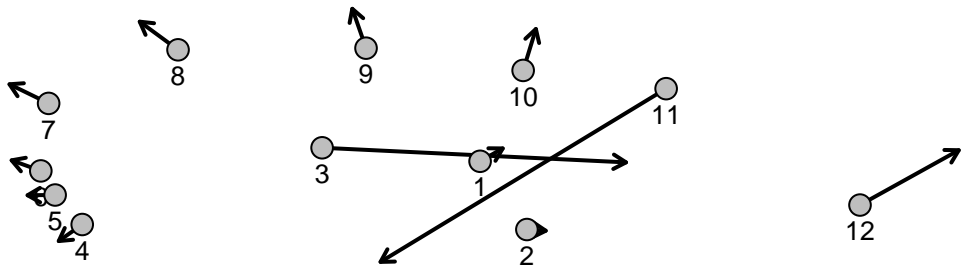
All Specimens



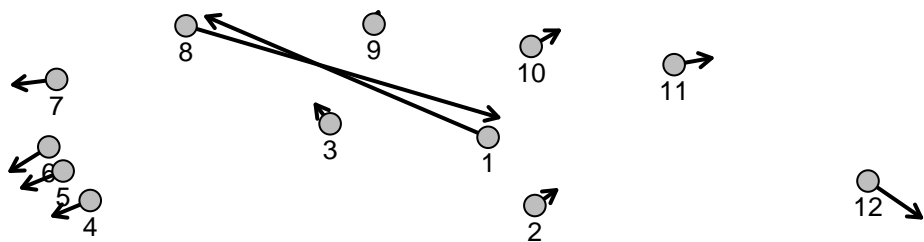
All Specimens



group: All Specimens, specimen: 26

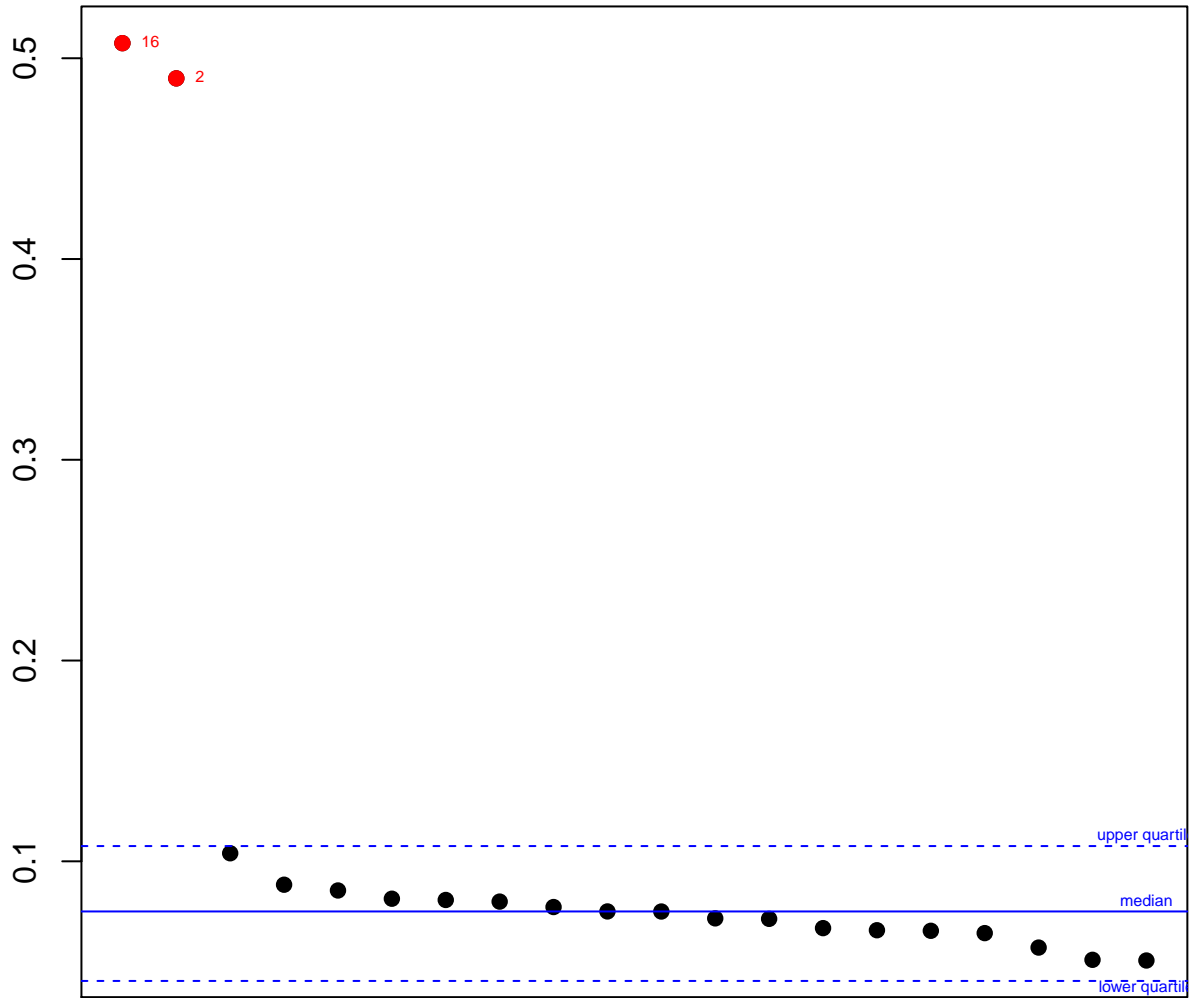


group: All Specimens, specimen: 2



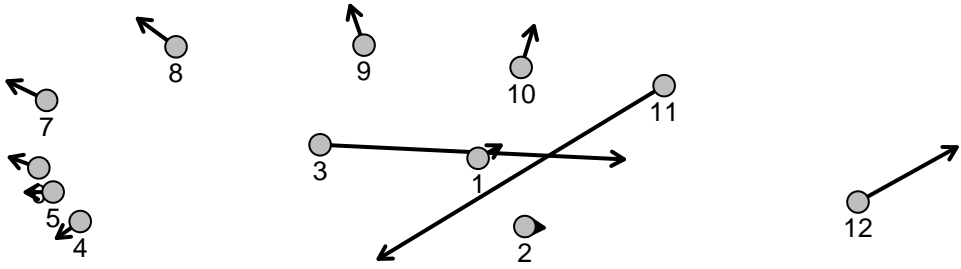
# Jord

Procrustes Distance from Mean



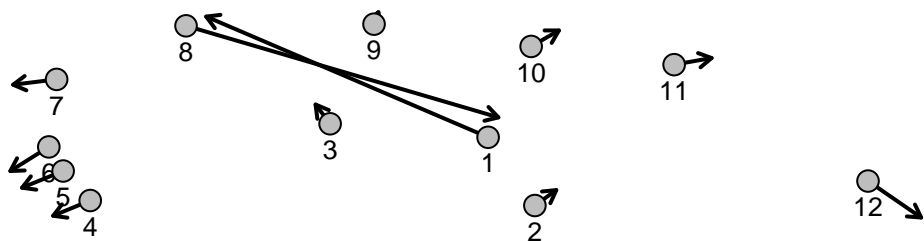
help("plotOutliers")

group: Jord, specimen: 16

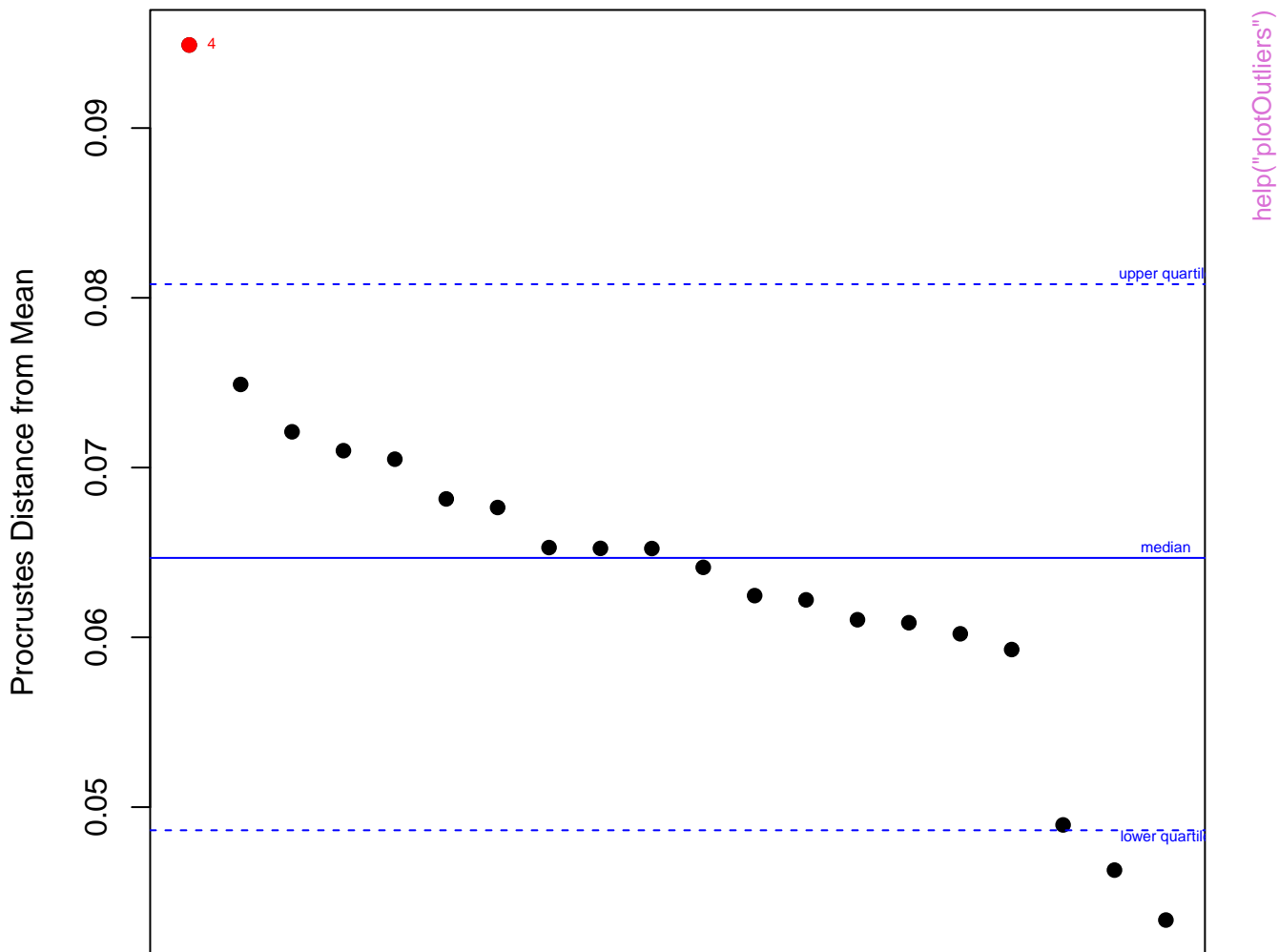


help("plotOutliers")

group: Jord, specimen: 2

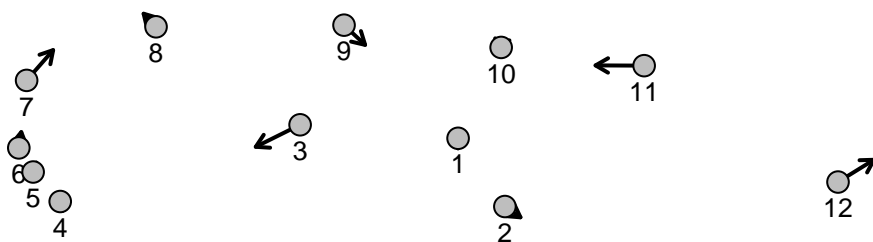


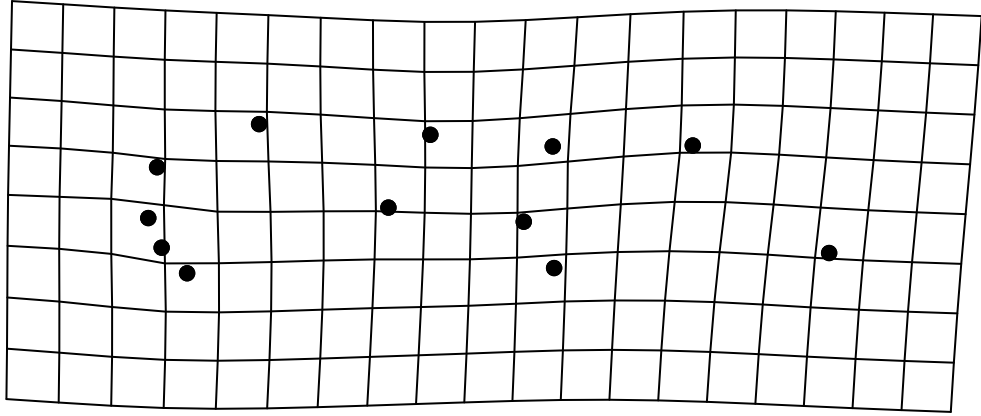
# Teyah

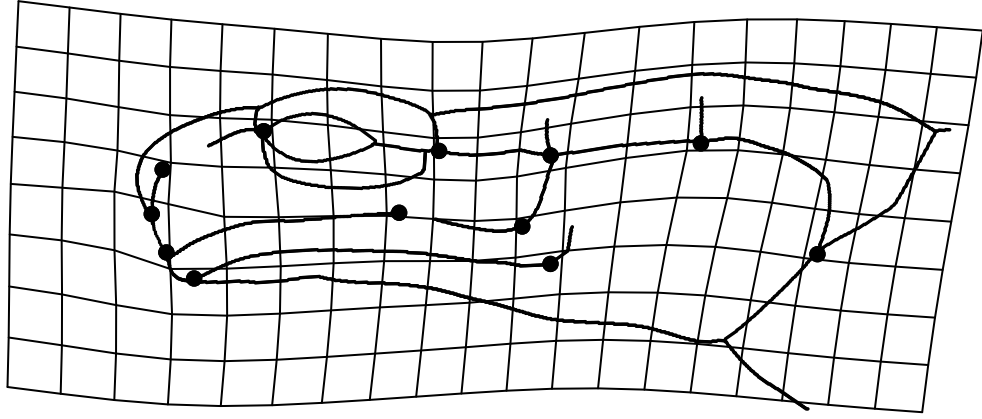


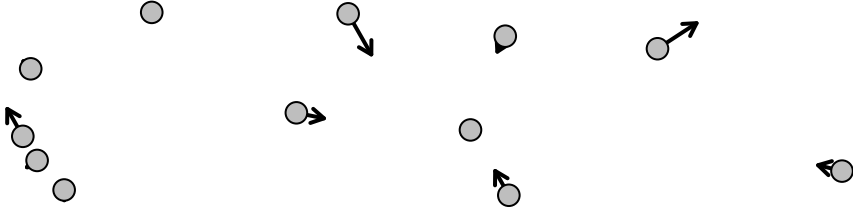


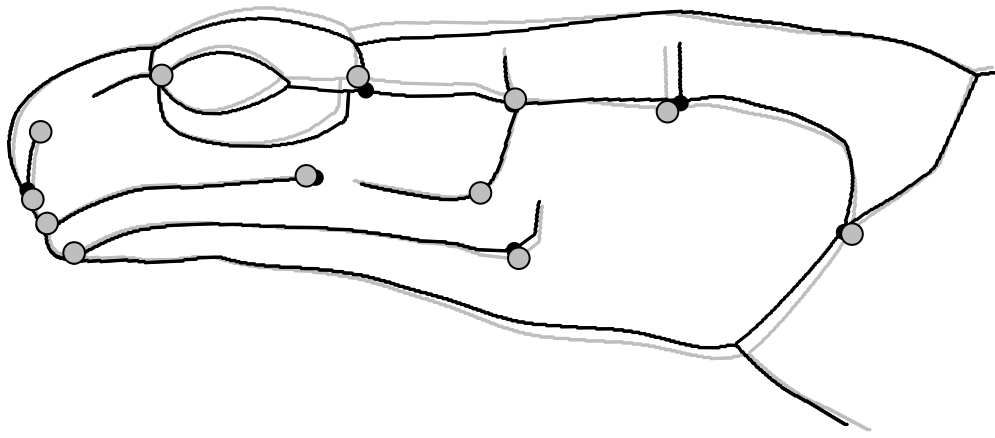
group: Teyah, specimen: 4

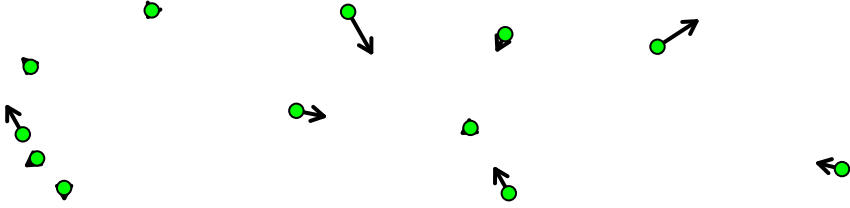


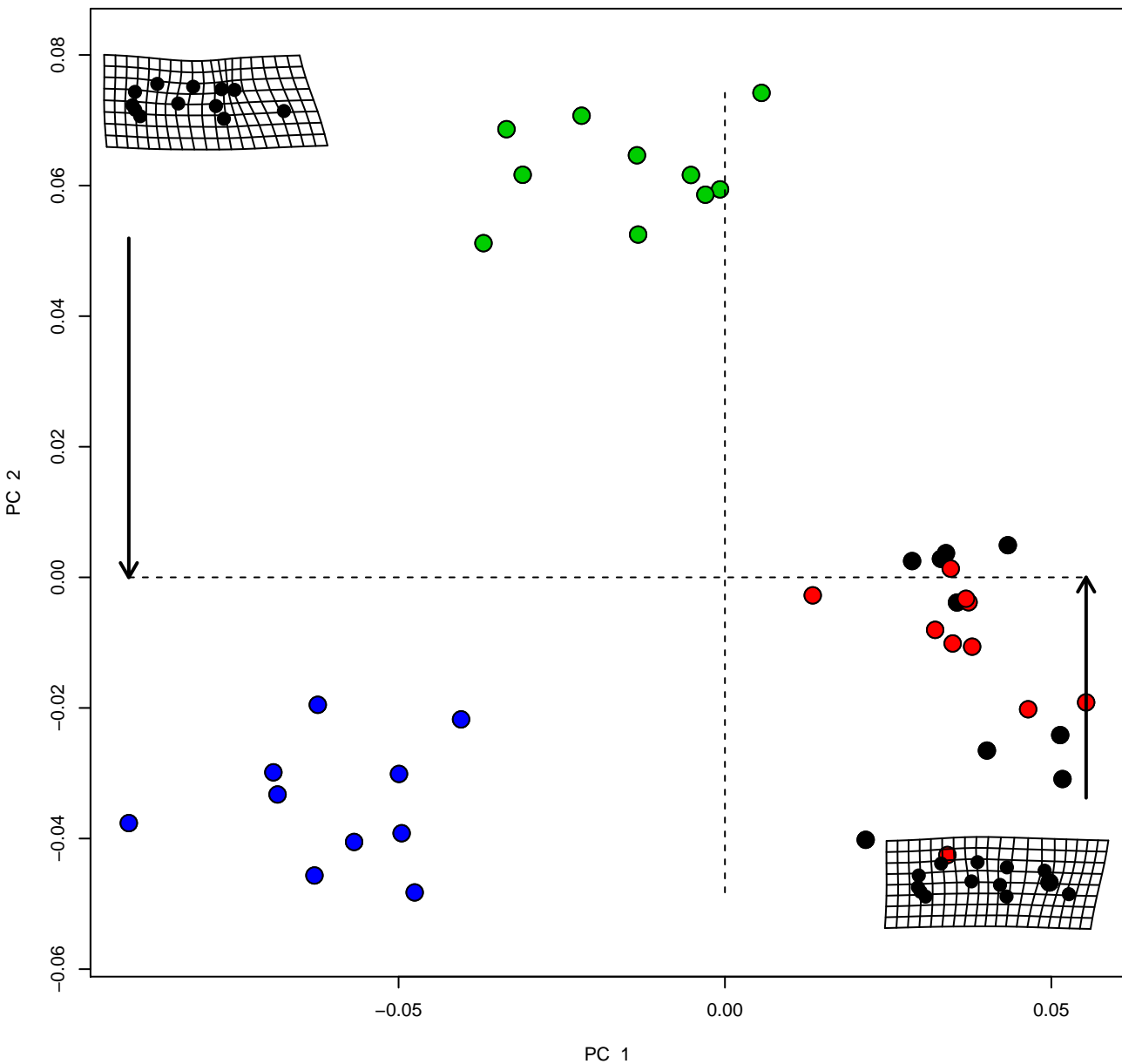


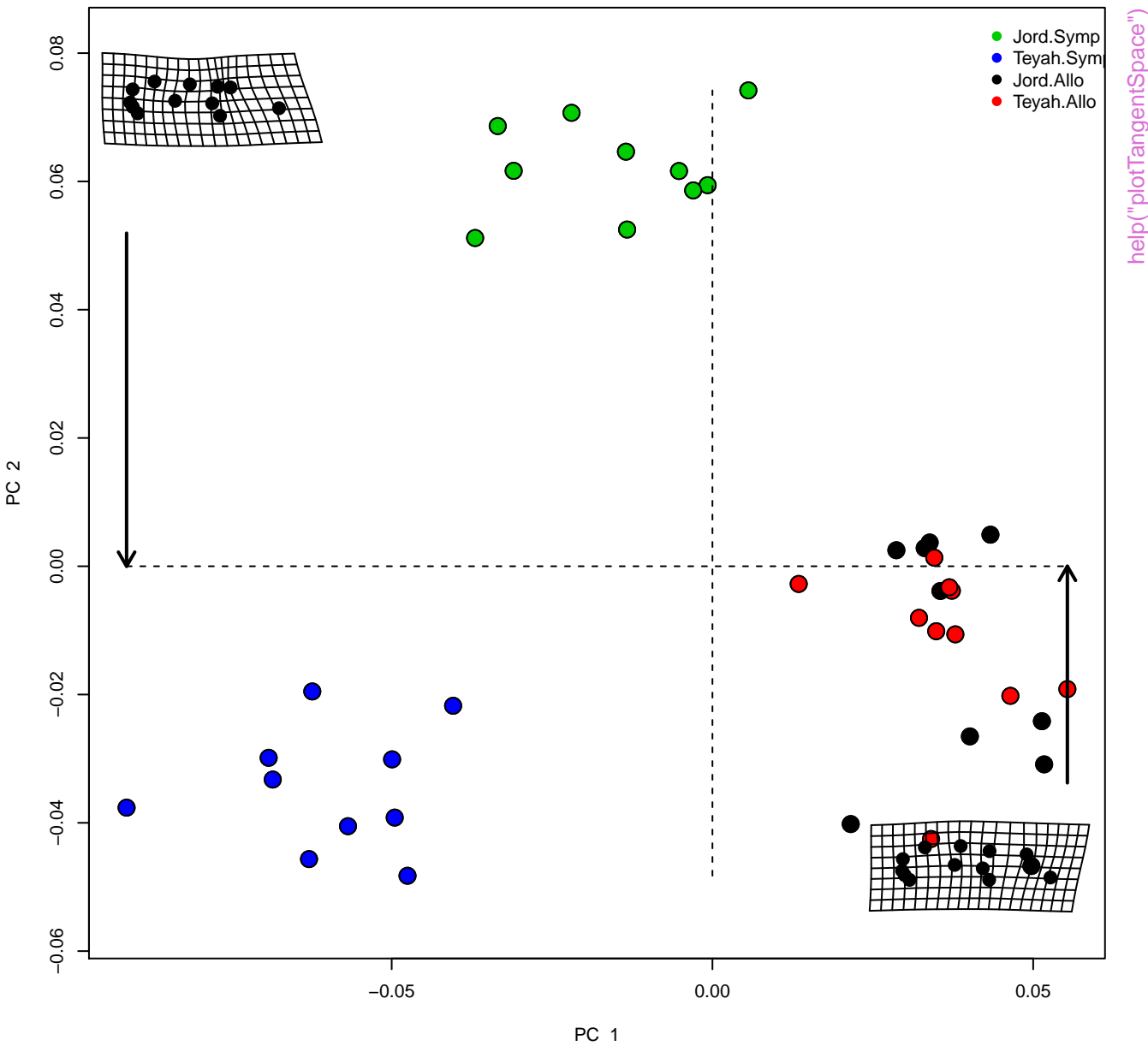




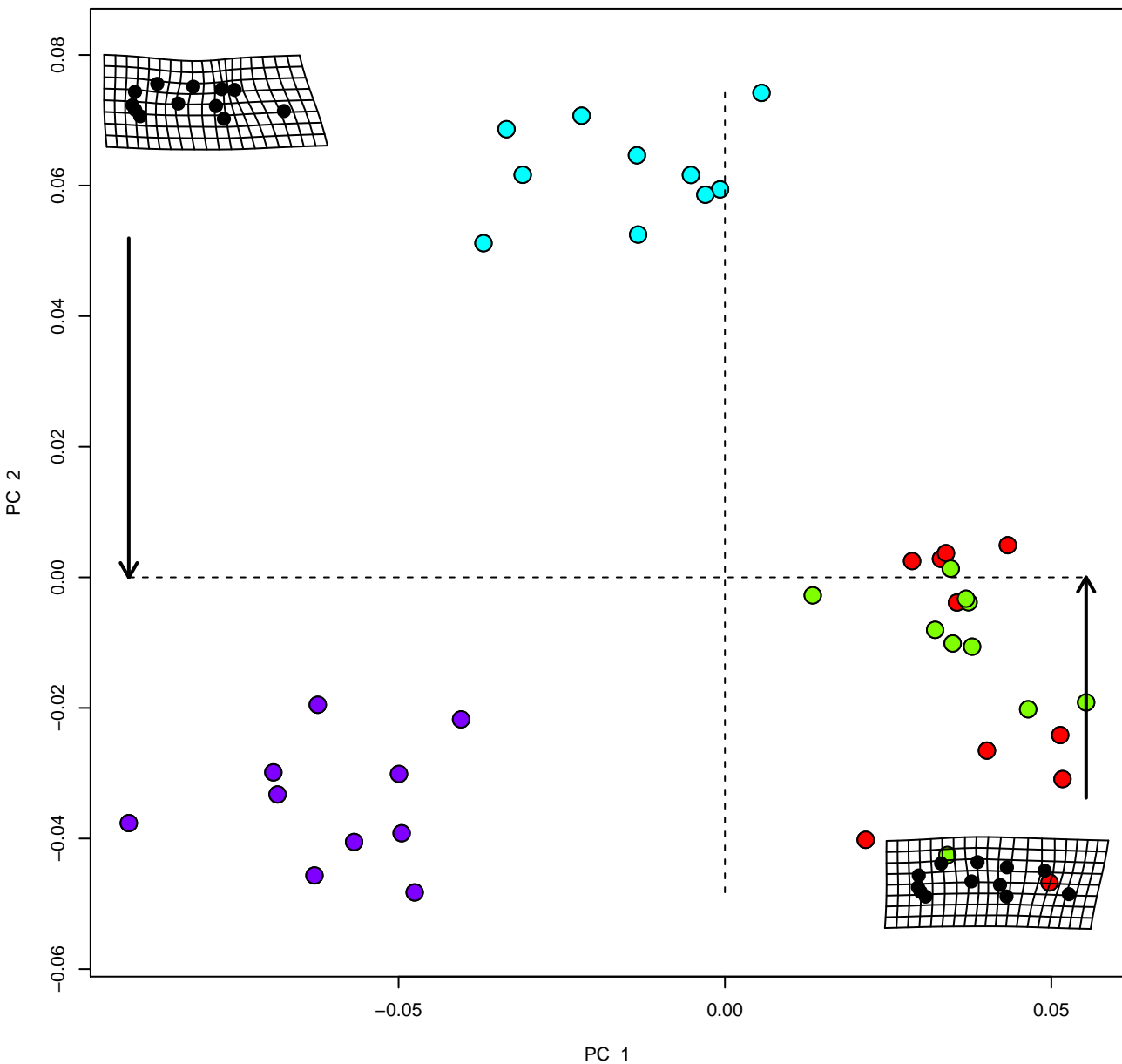


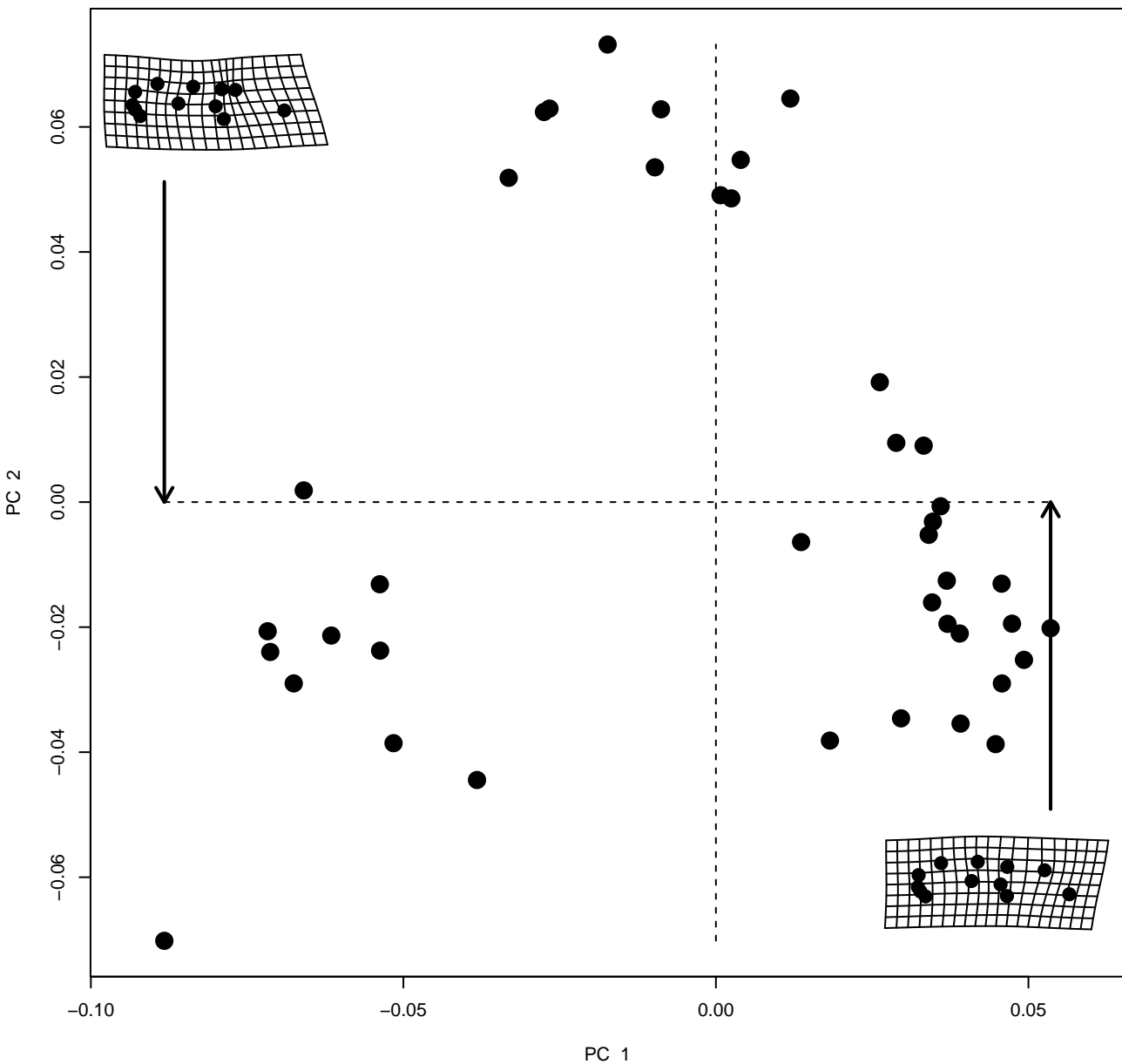


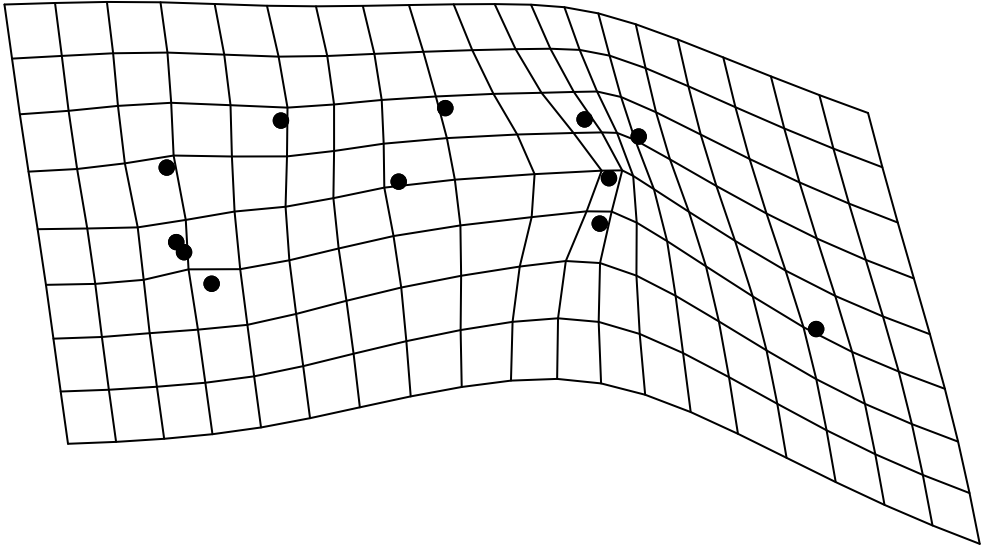


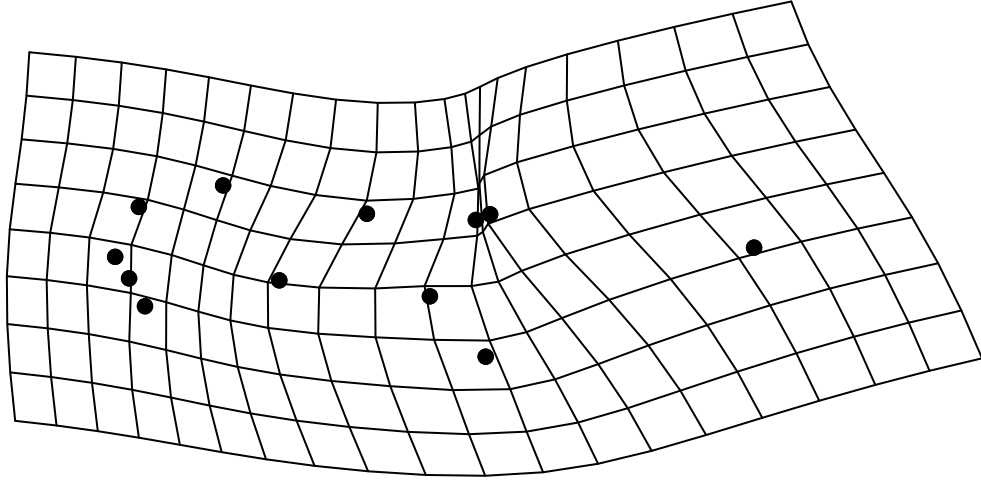




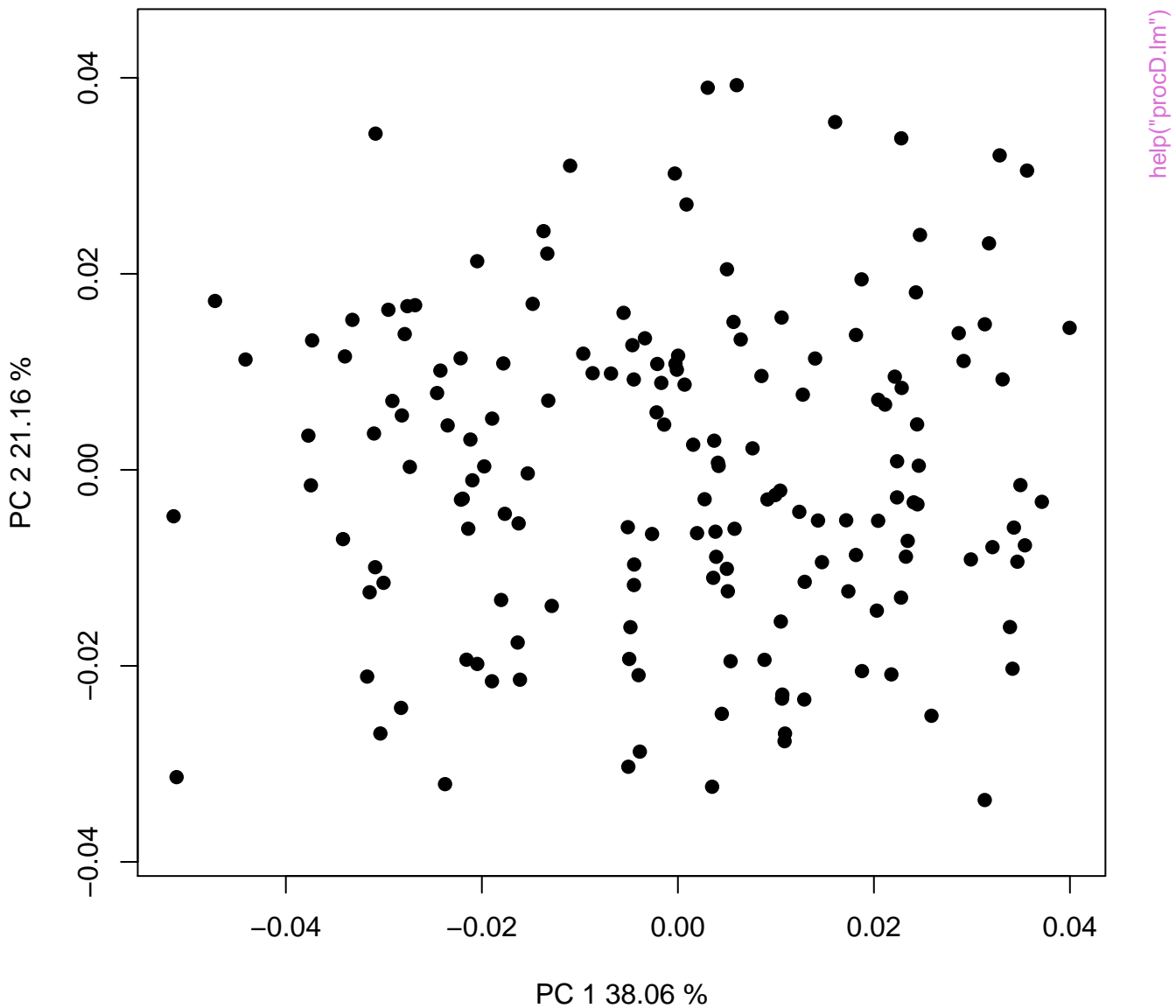




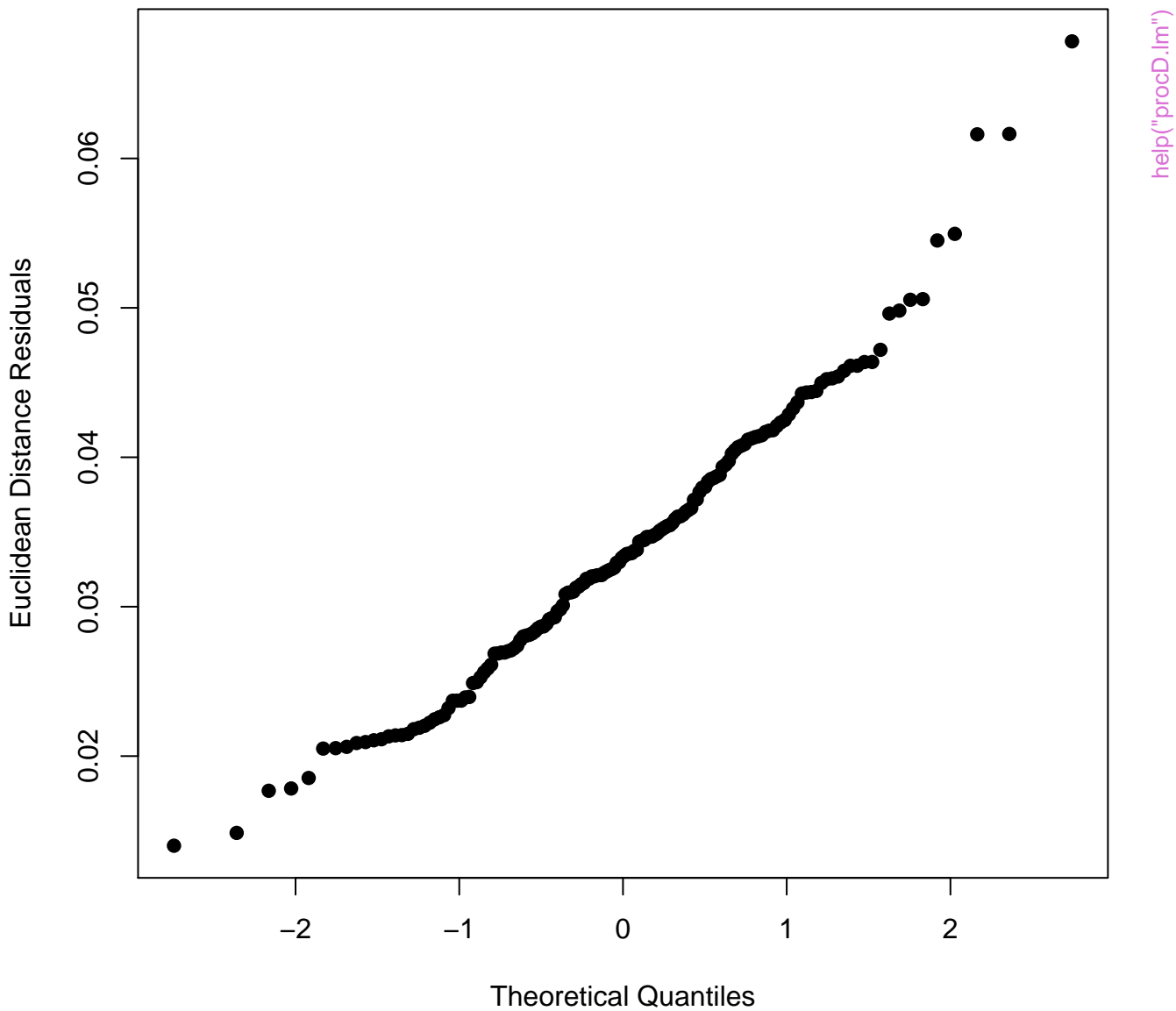




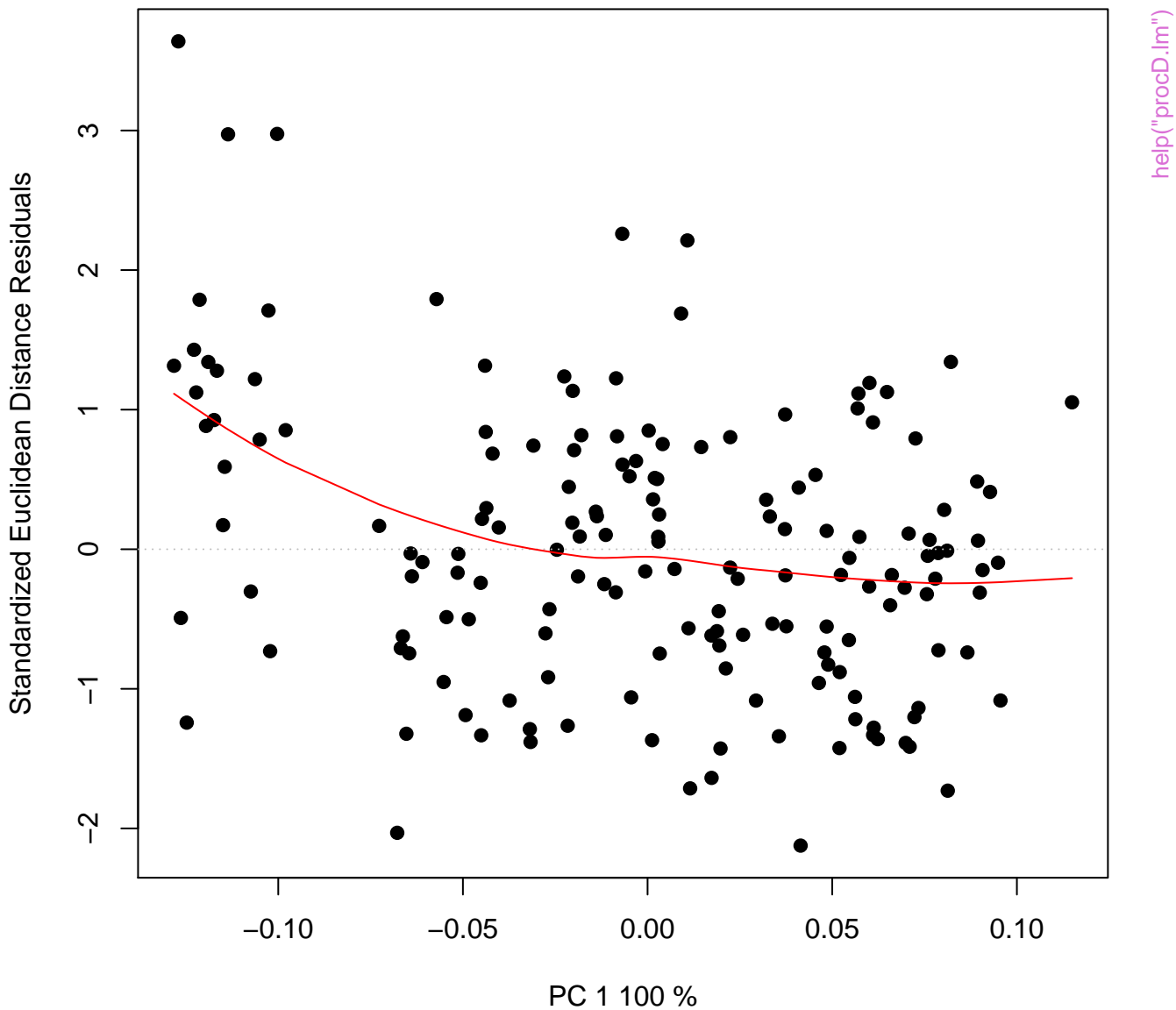
# PCA Residuals



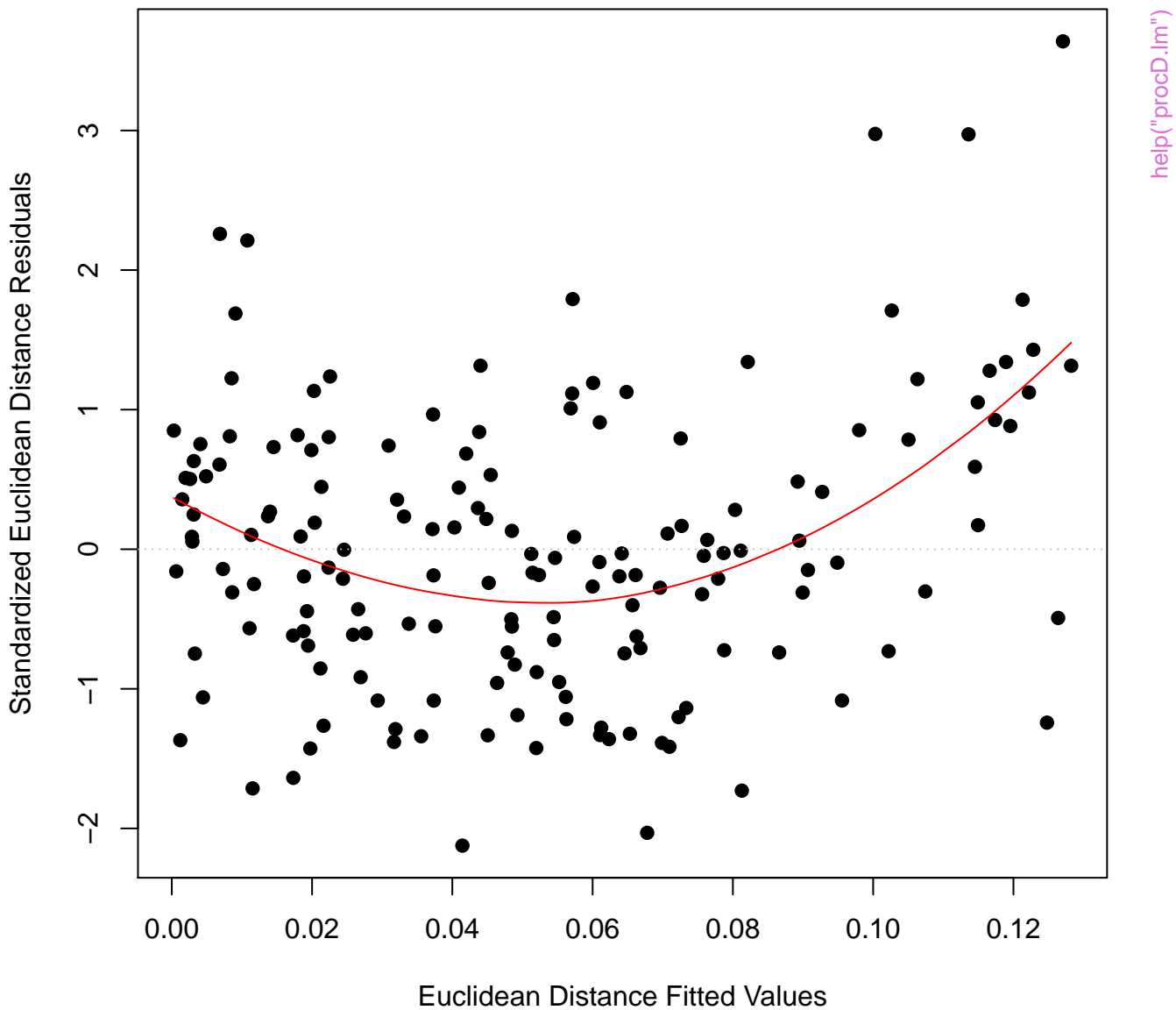
Q-Q plot



Residuals vs. PC 1 fitted

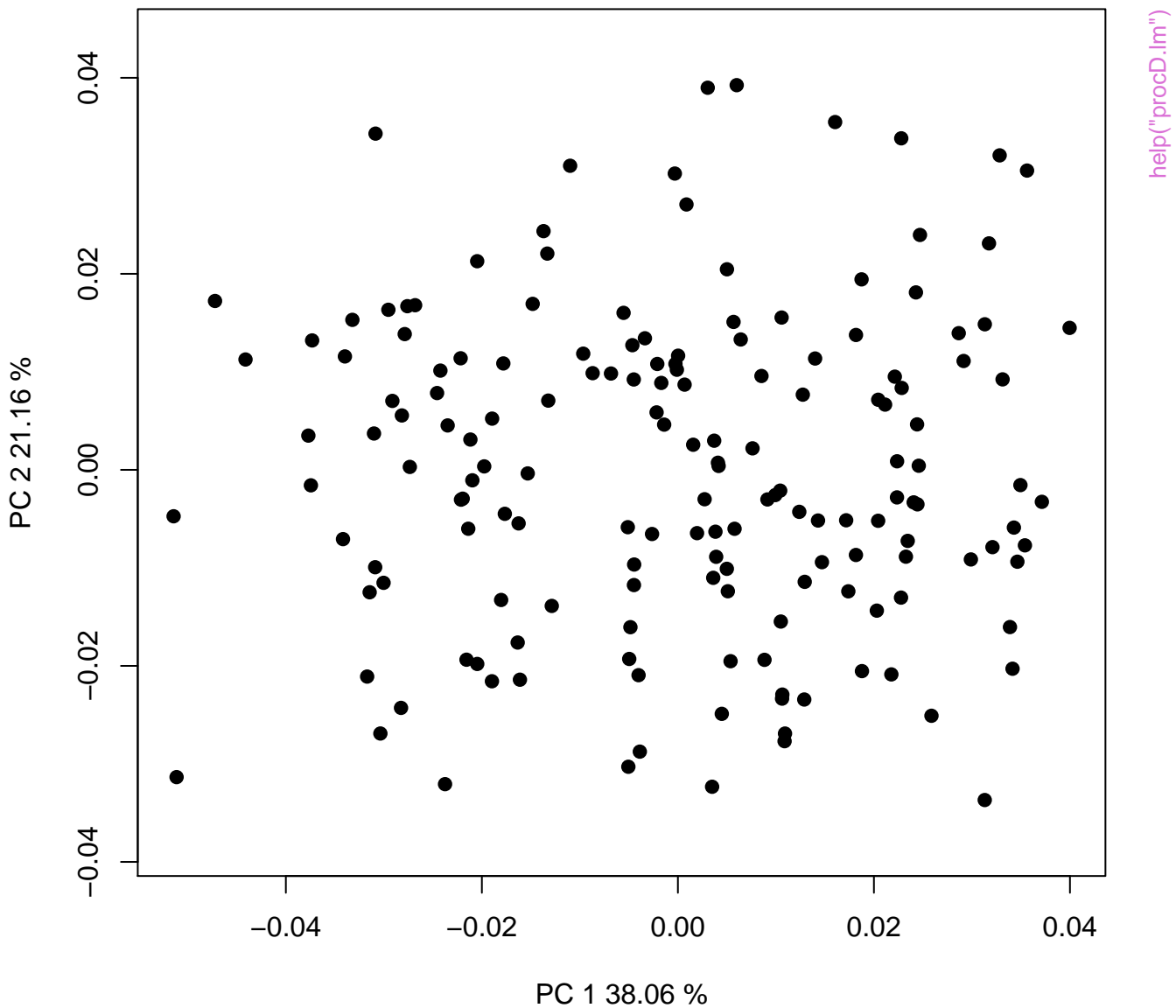


# Residuals vs. Fitted

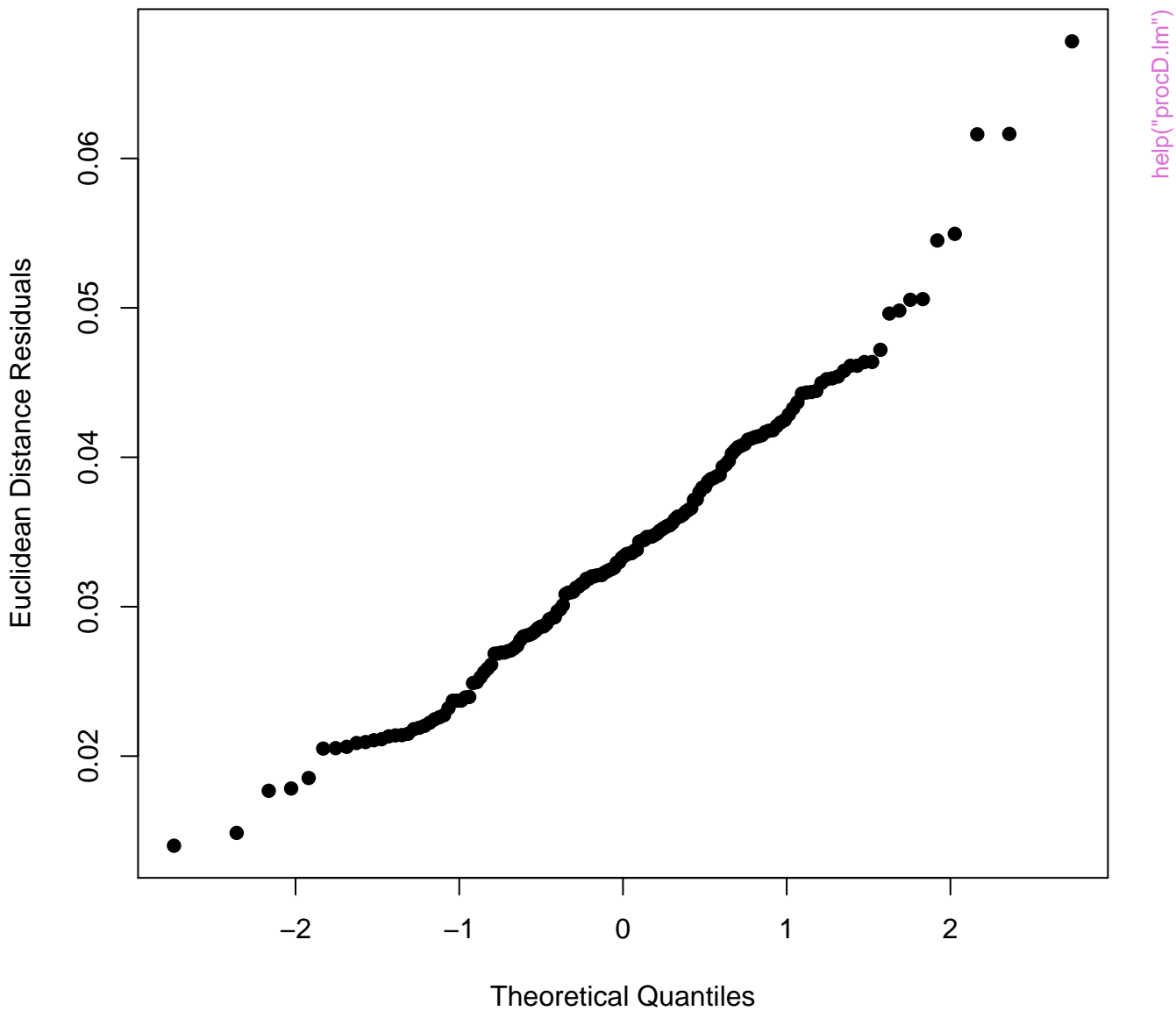




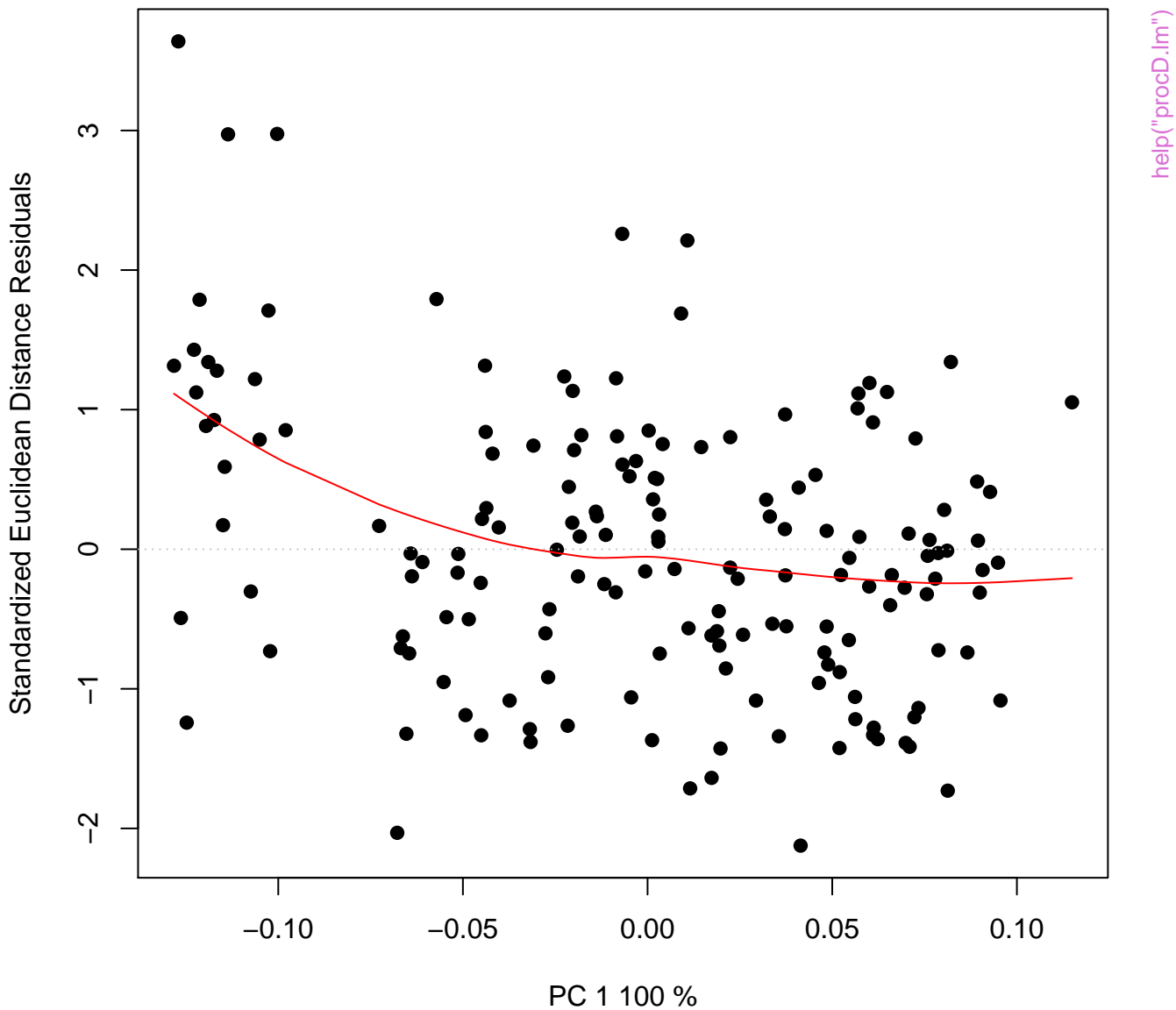
# PCA Residuals



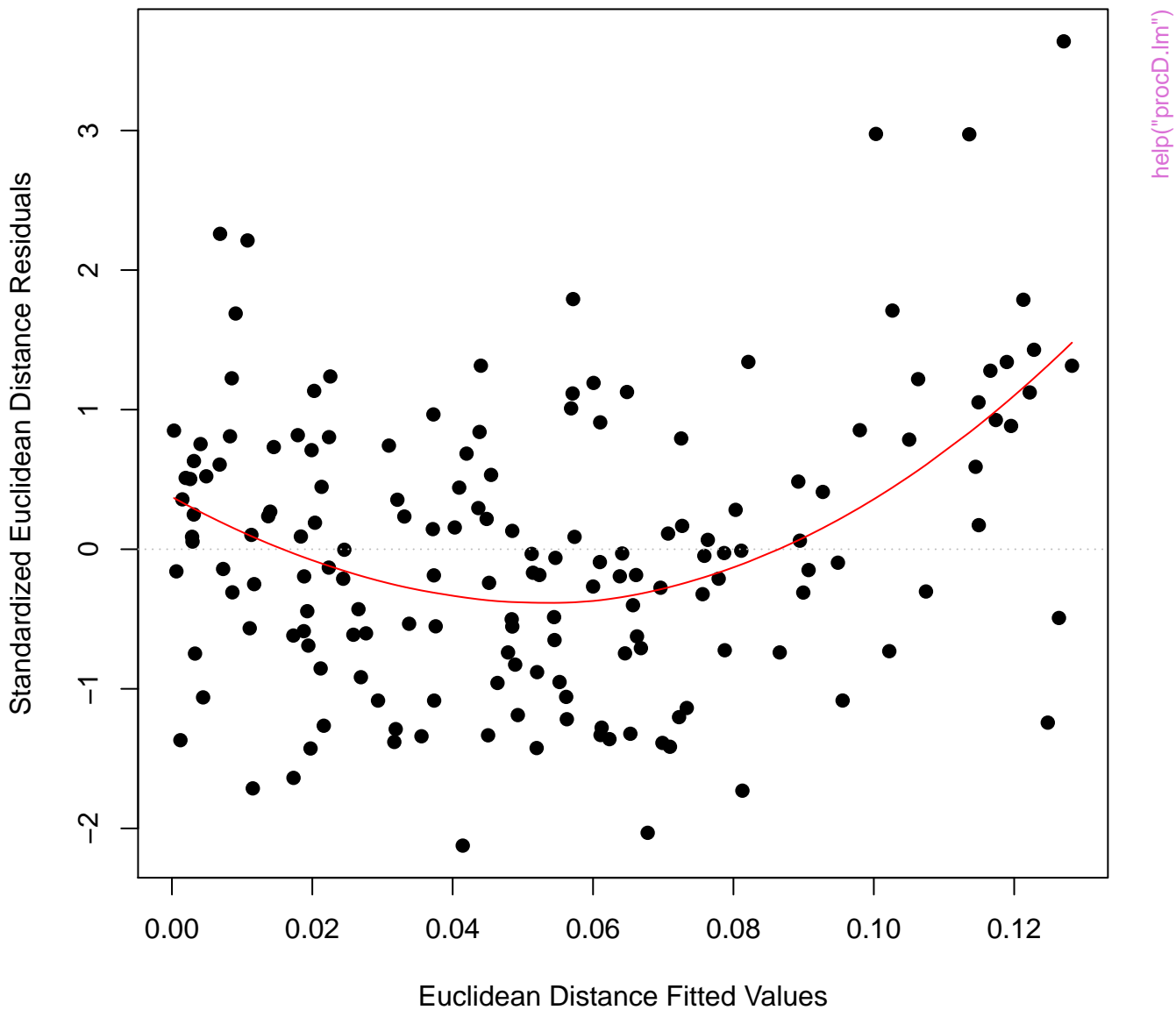
Q-Q plot



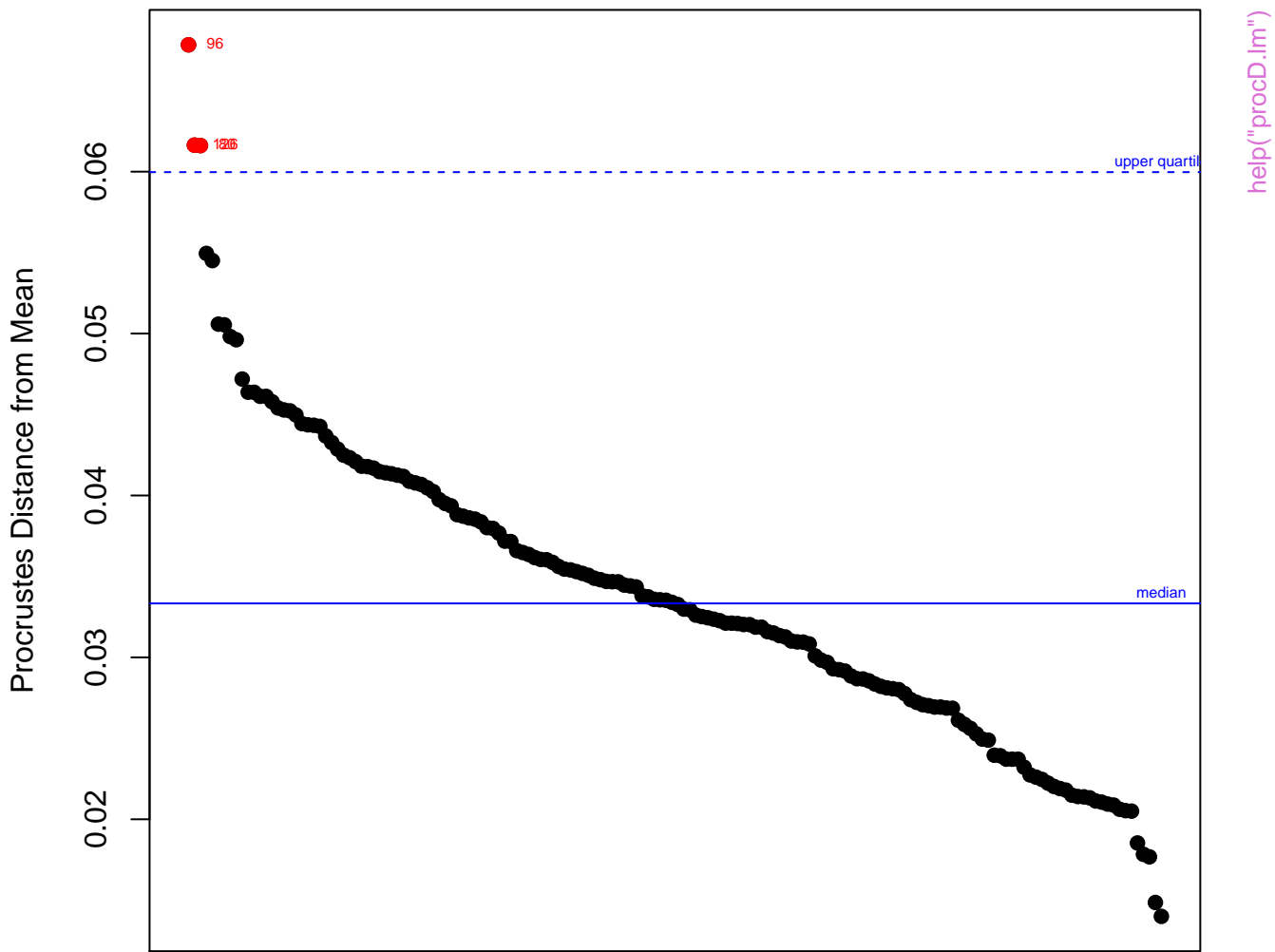
Residuals vs. PC 1 fitted

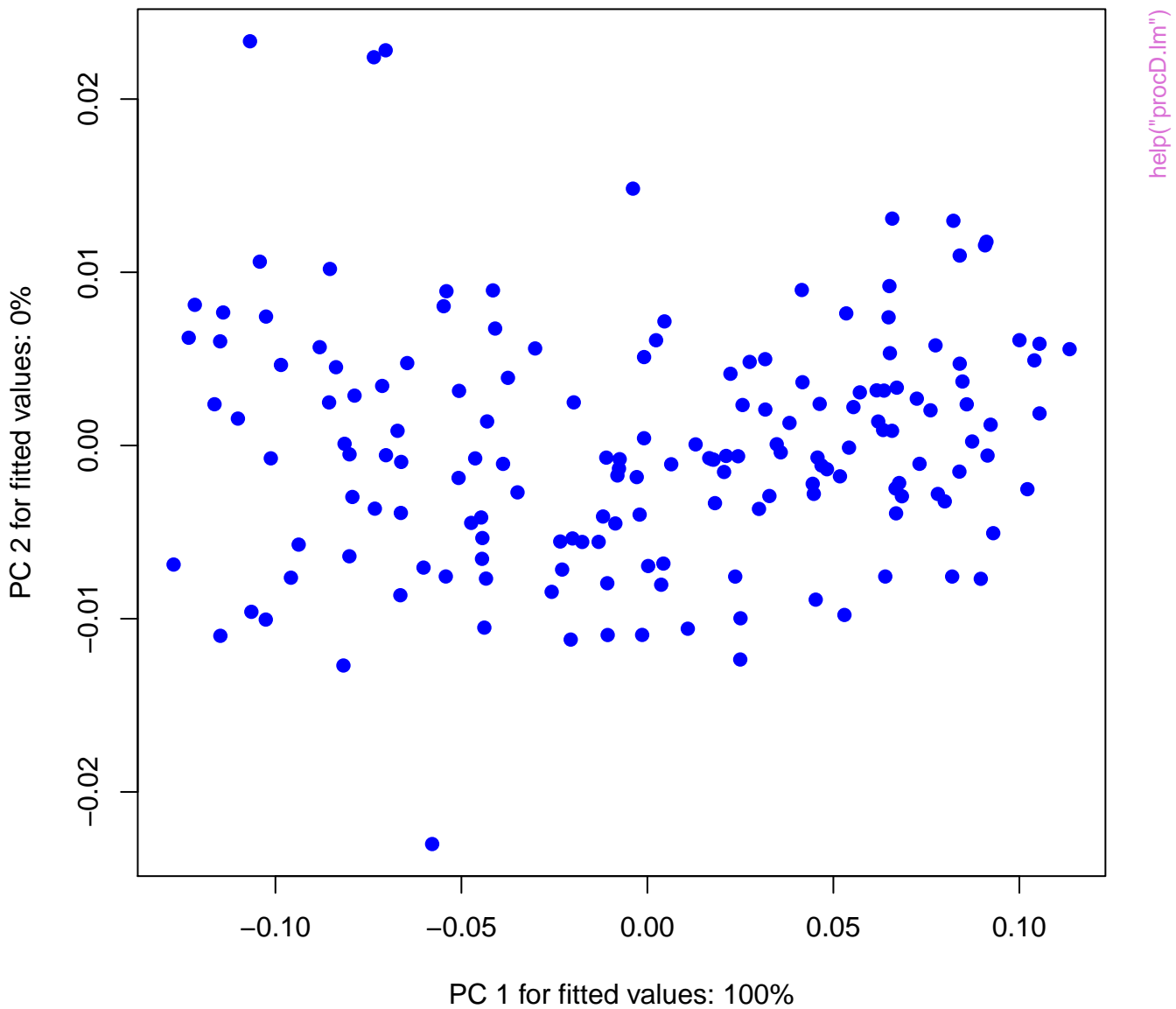


Residuals vs. Fitted

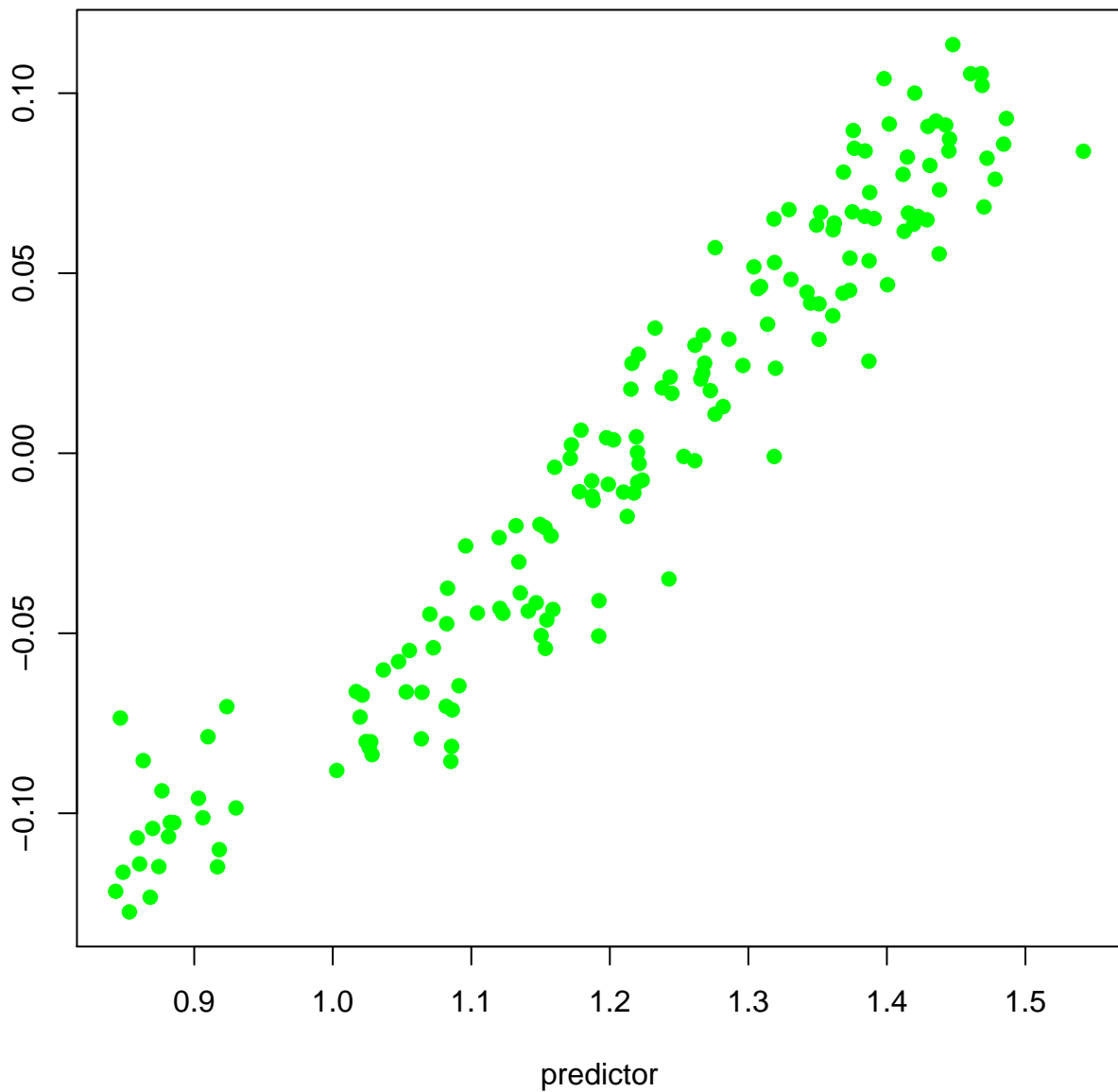


# All Specimens



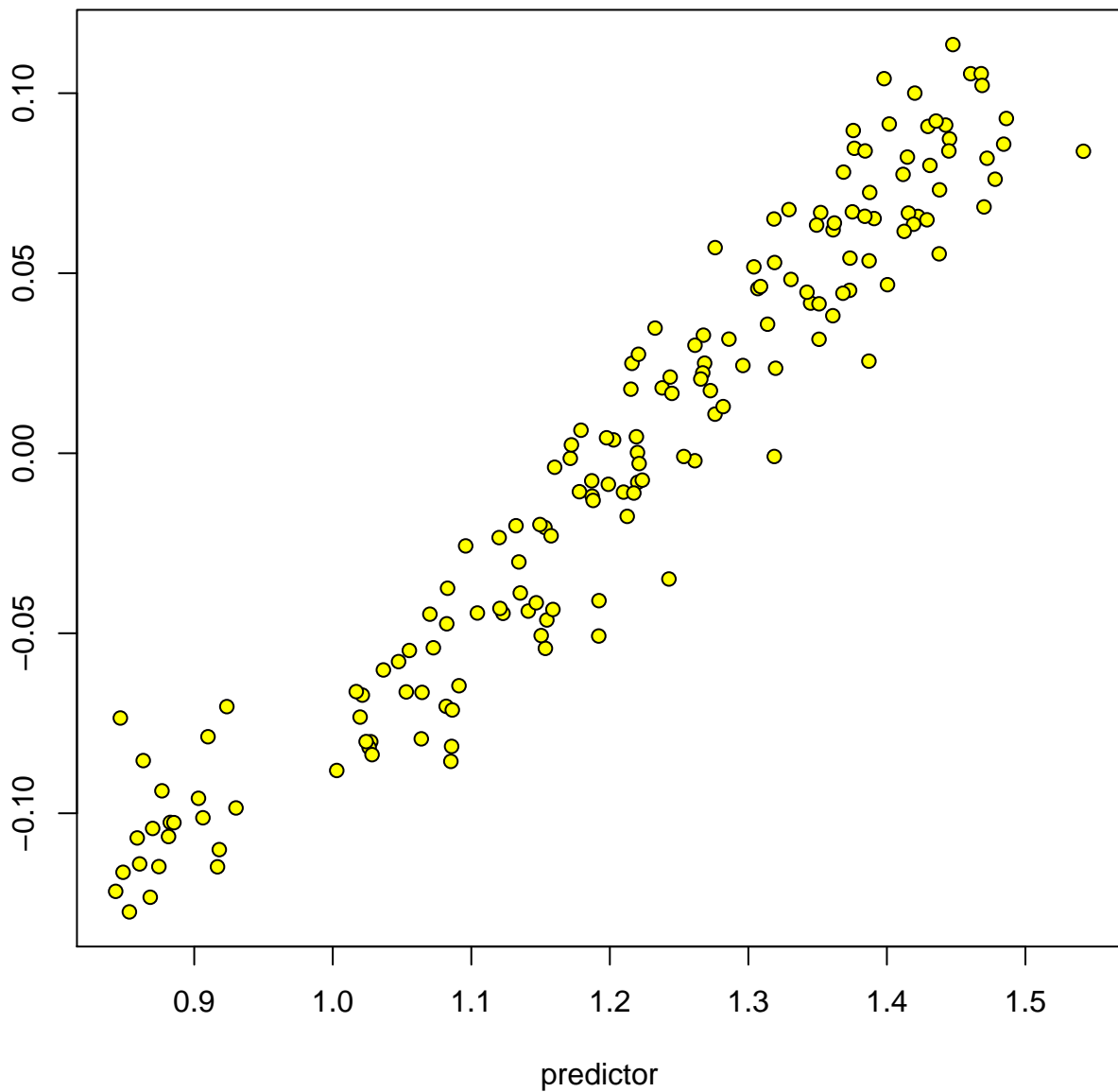


Regression Score



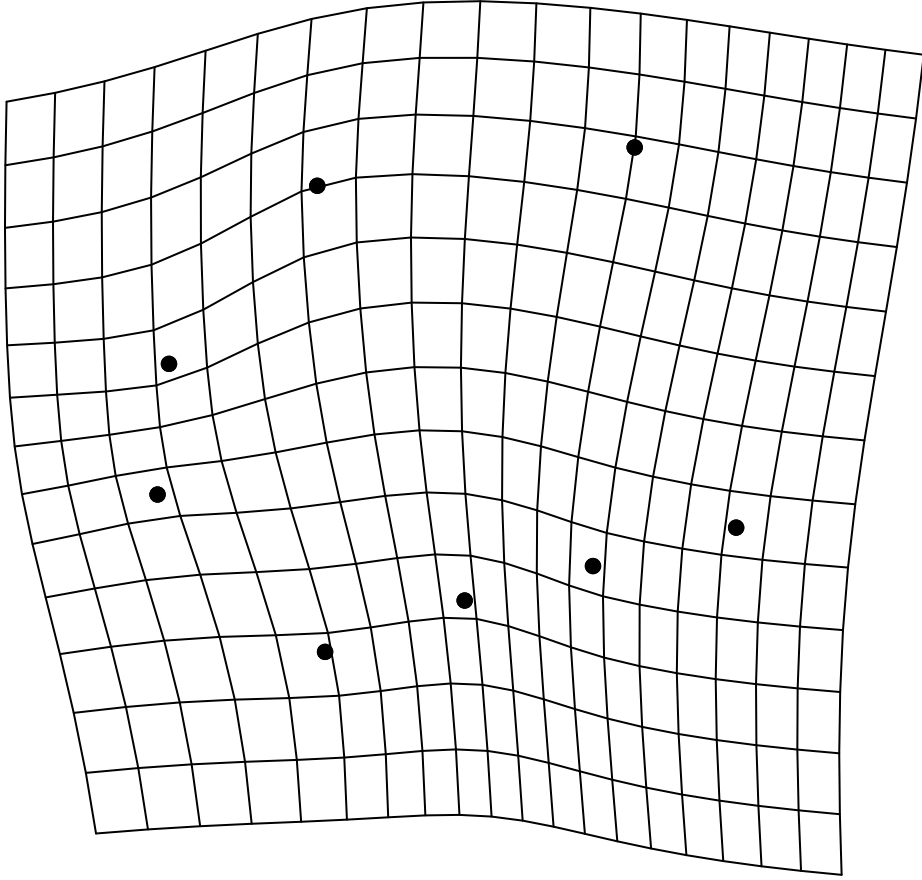
help("procD.lm")

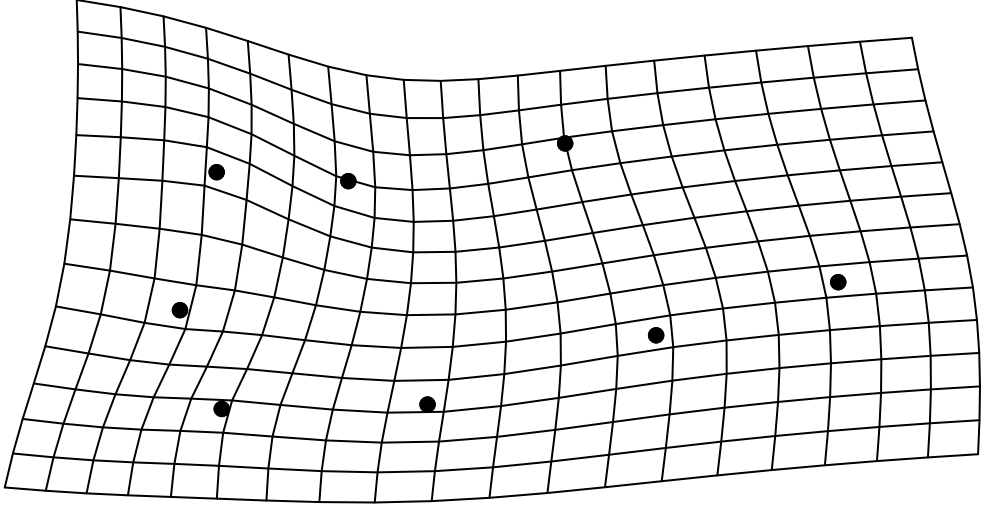
Regression Score



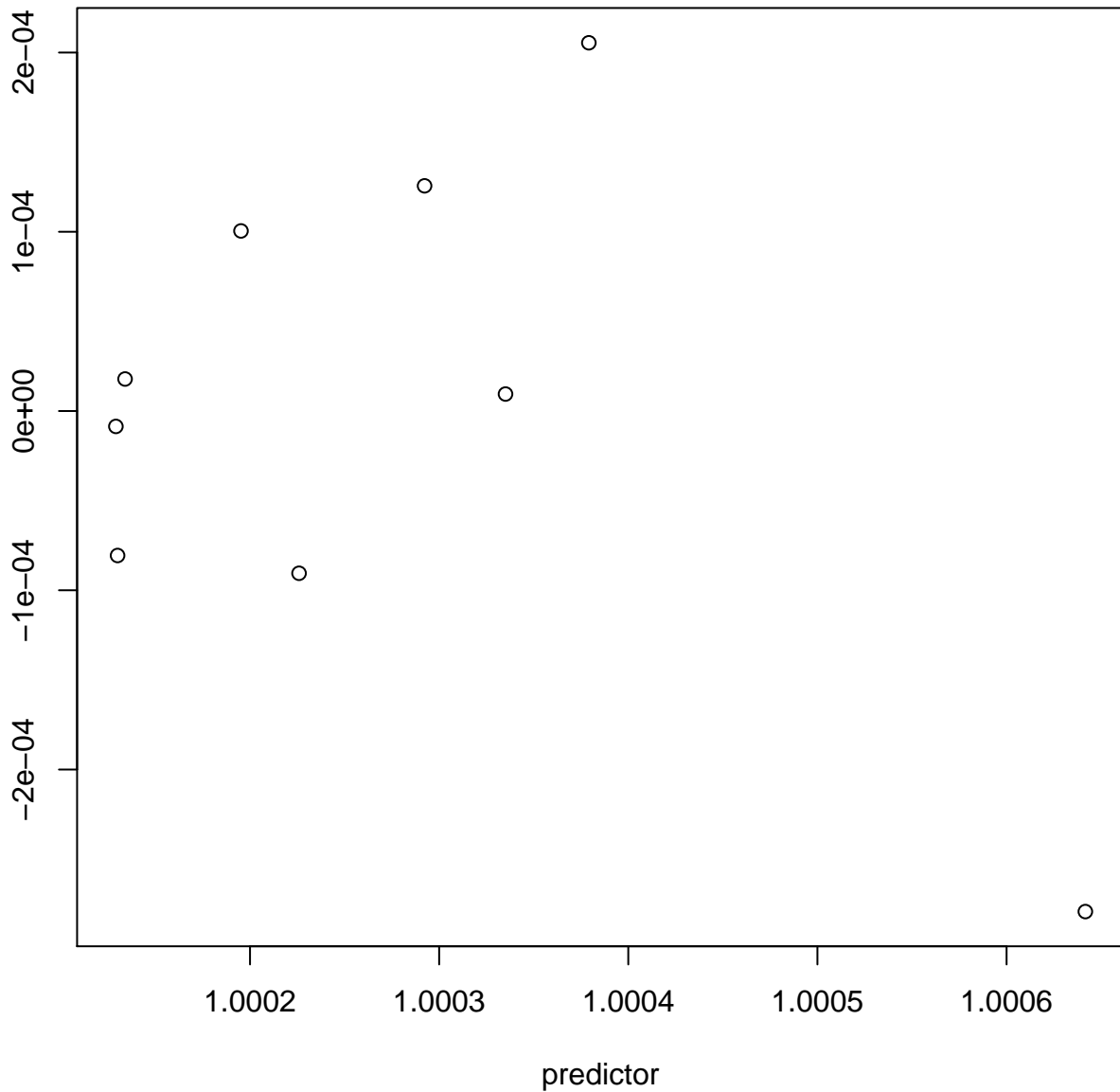
help("procD.lm")



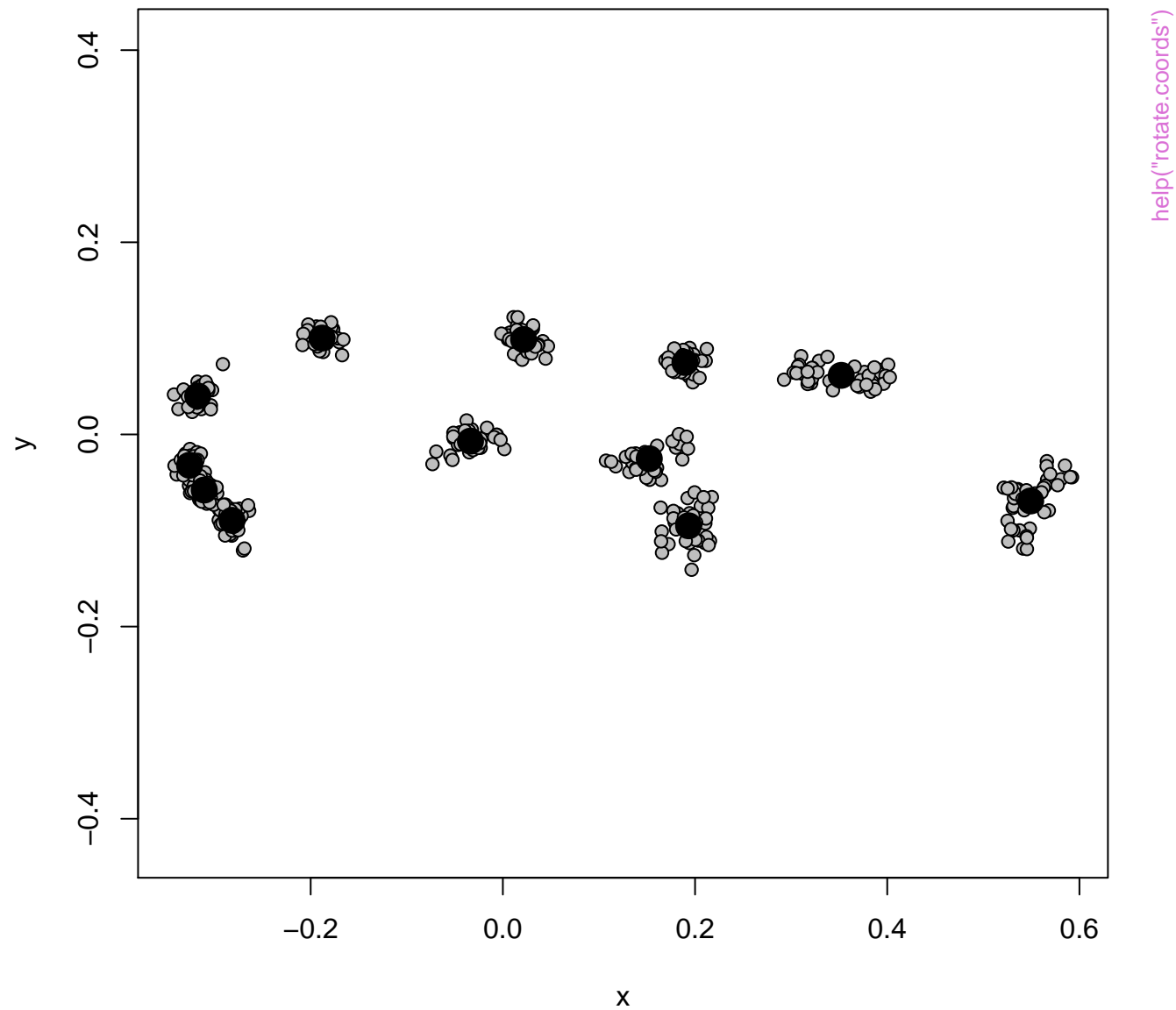


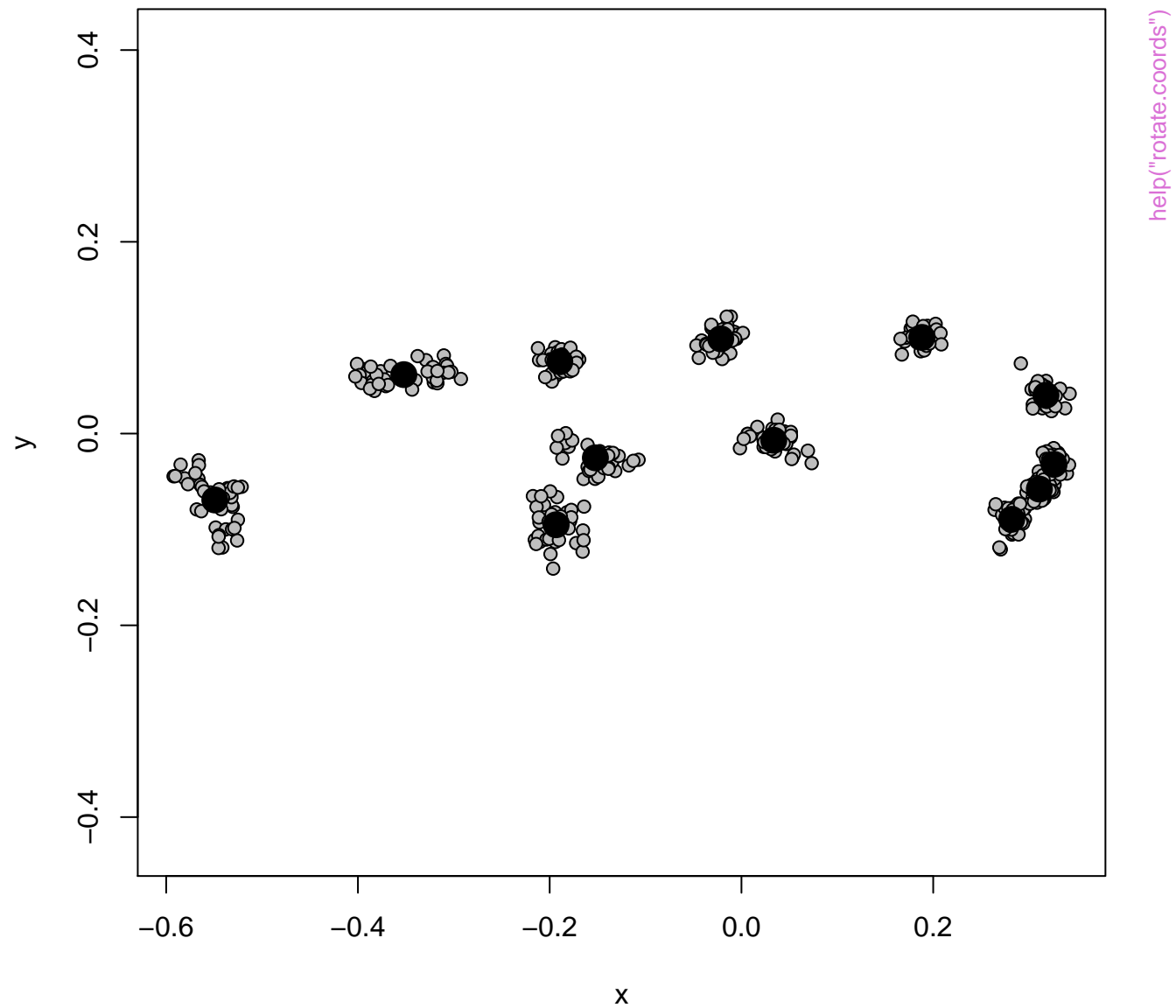


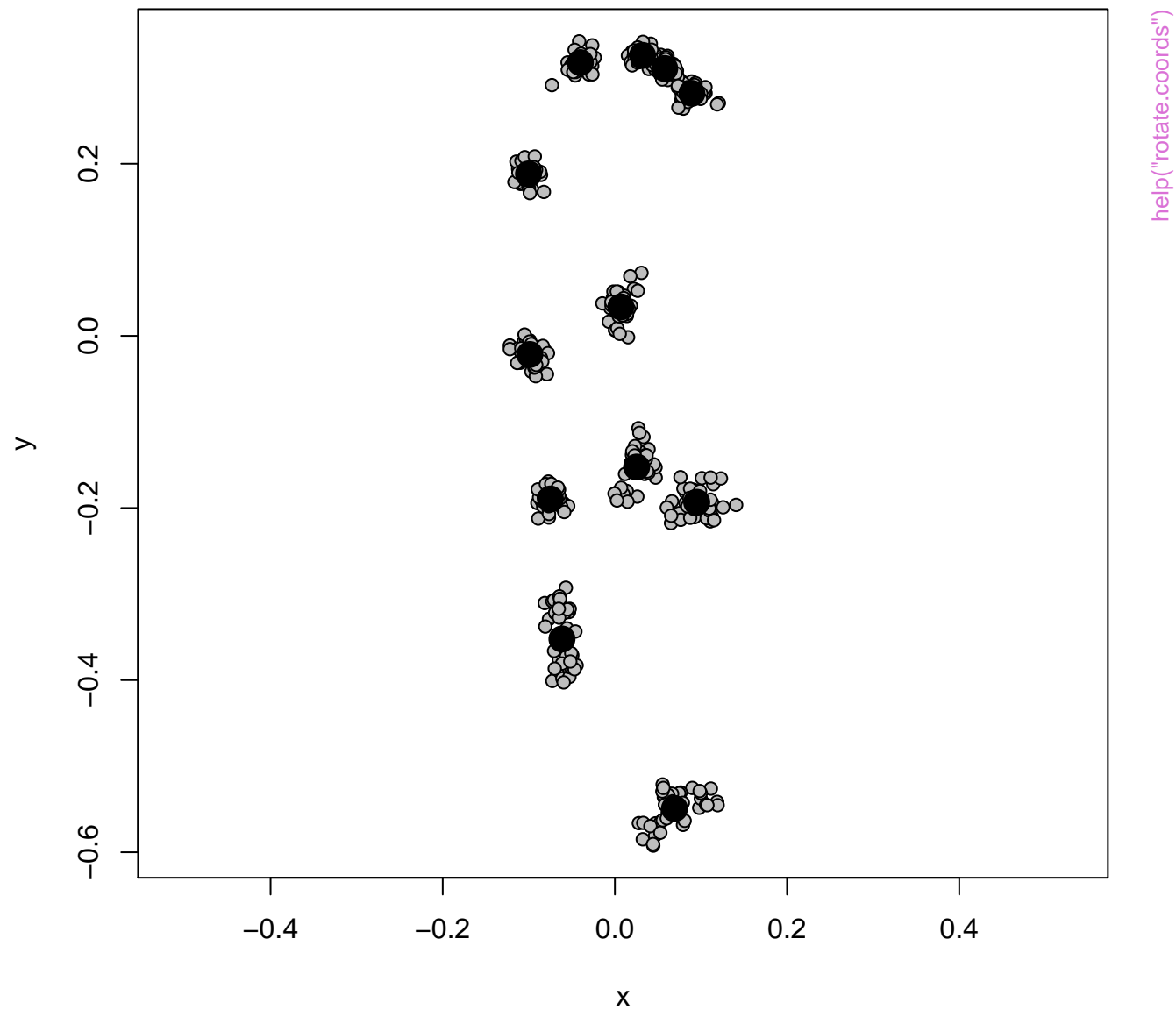
Regression Score

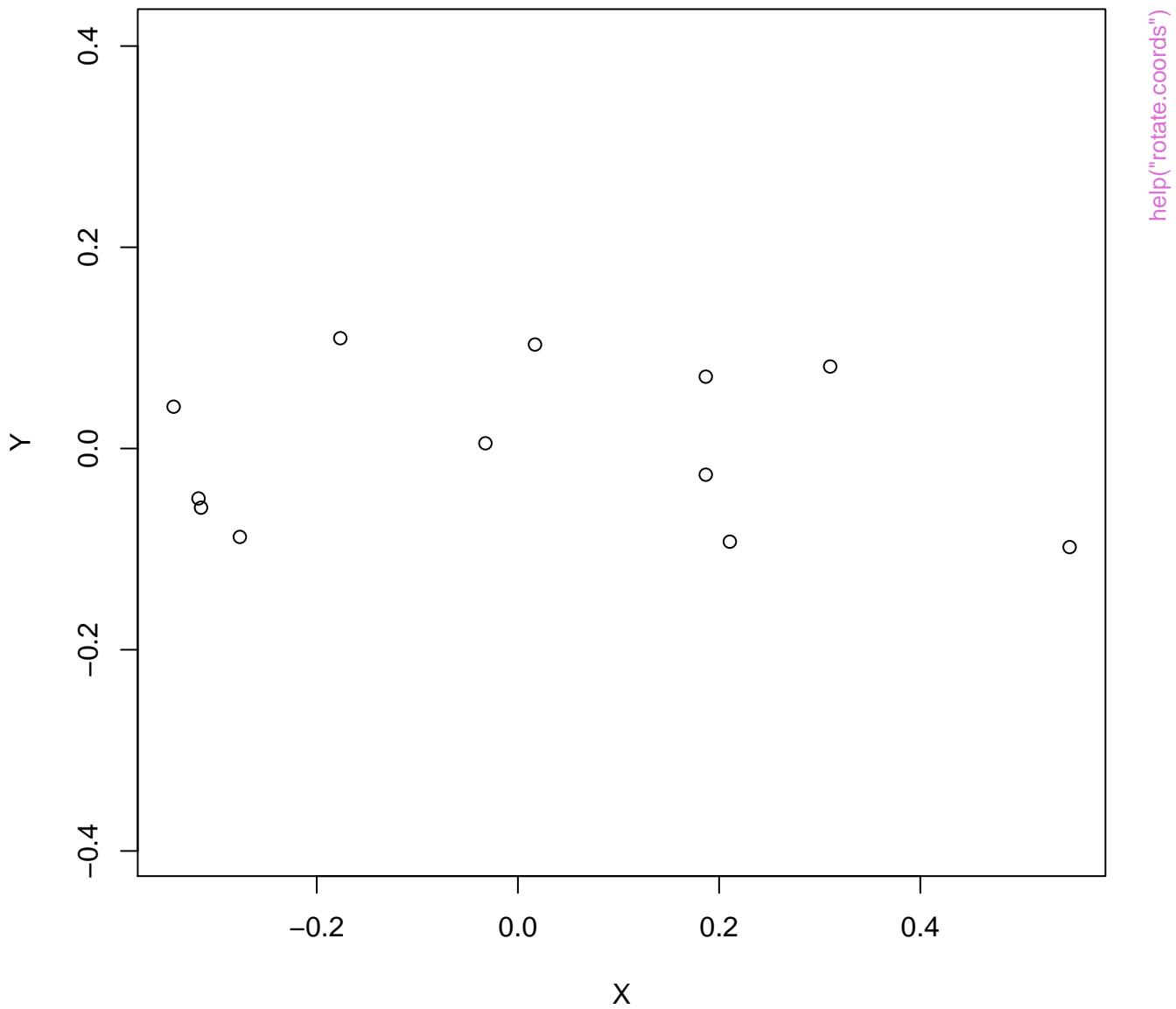


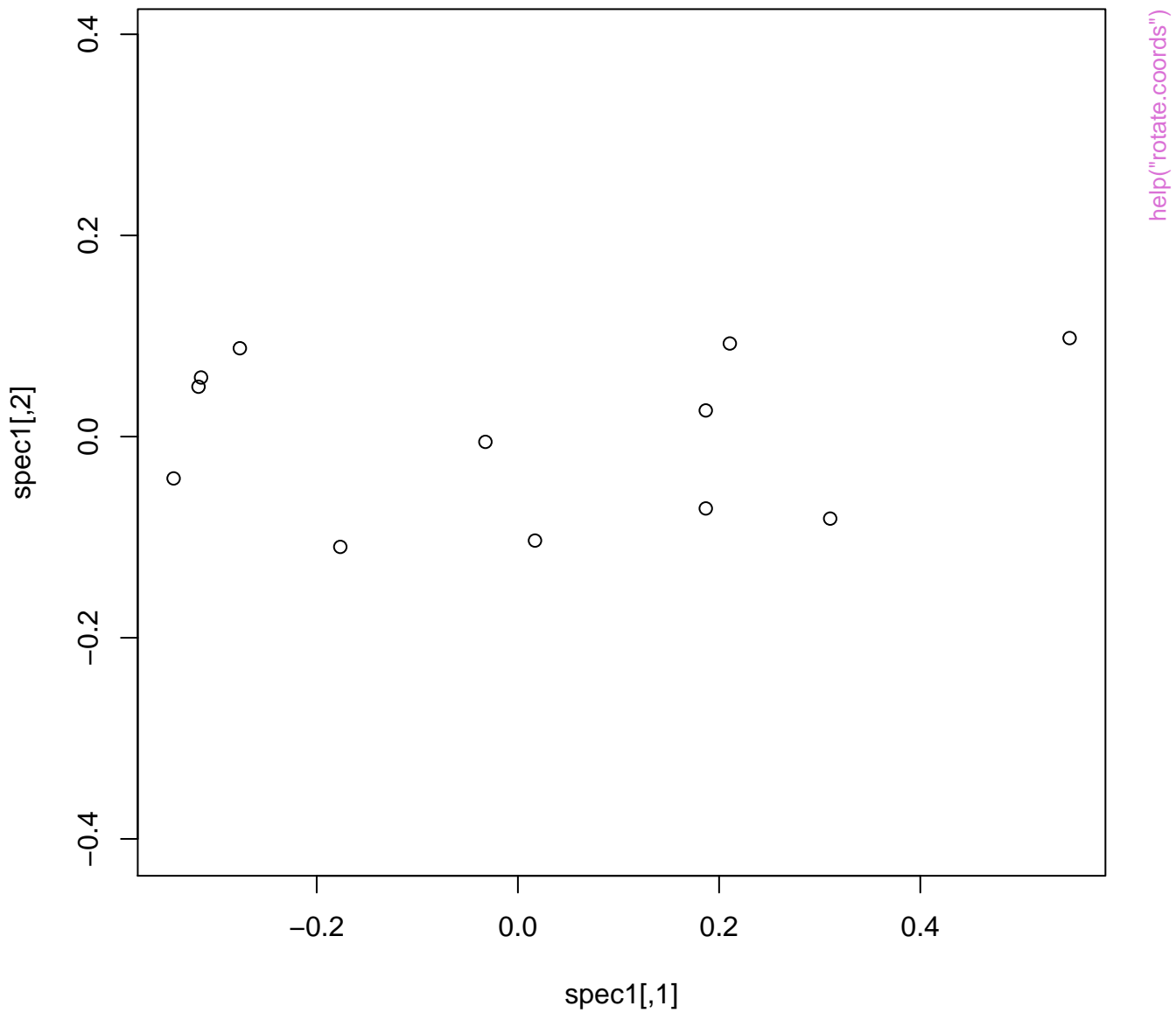
help("procD.pgls")



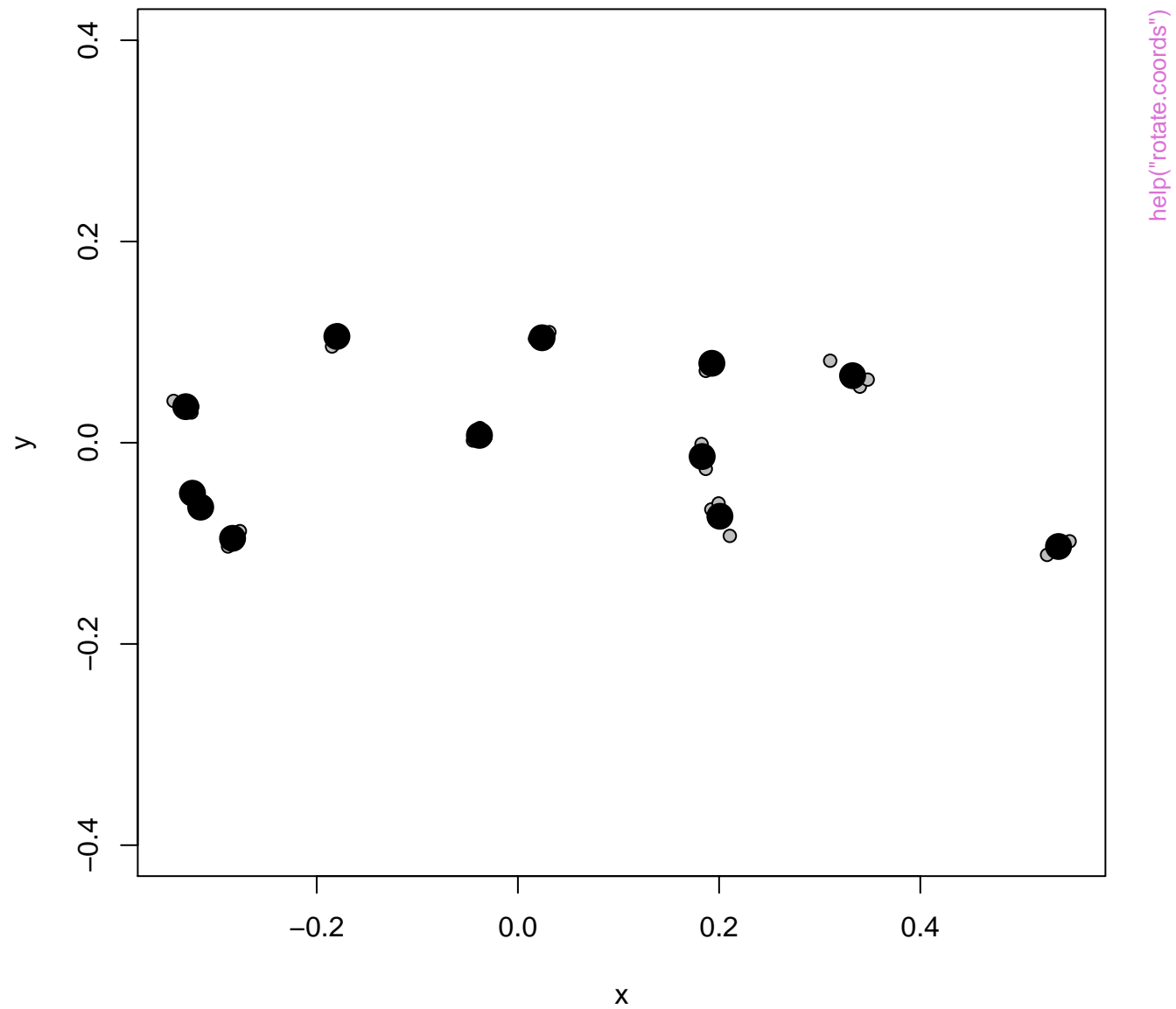


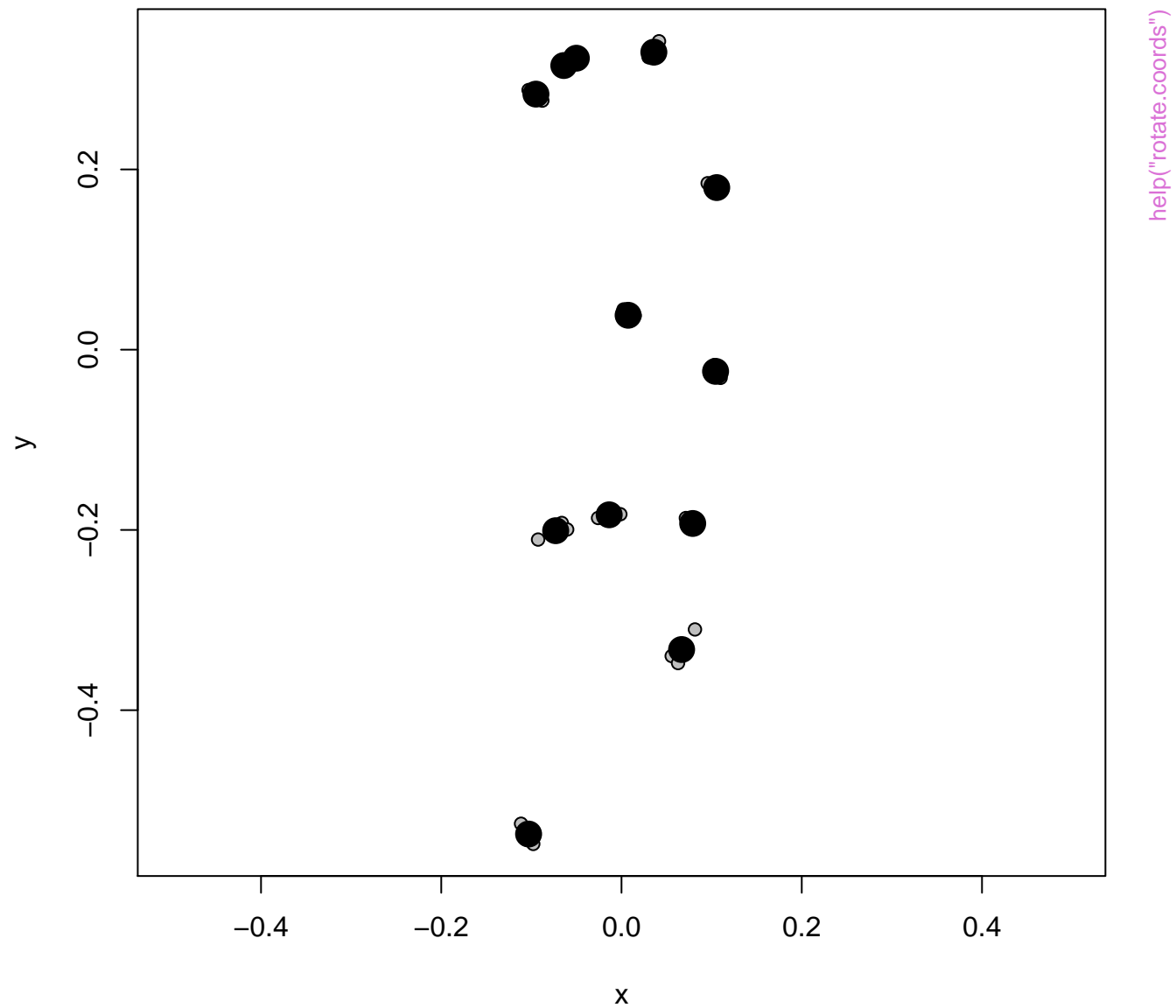


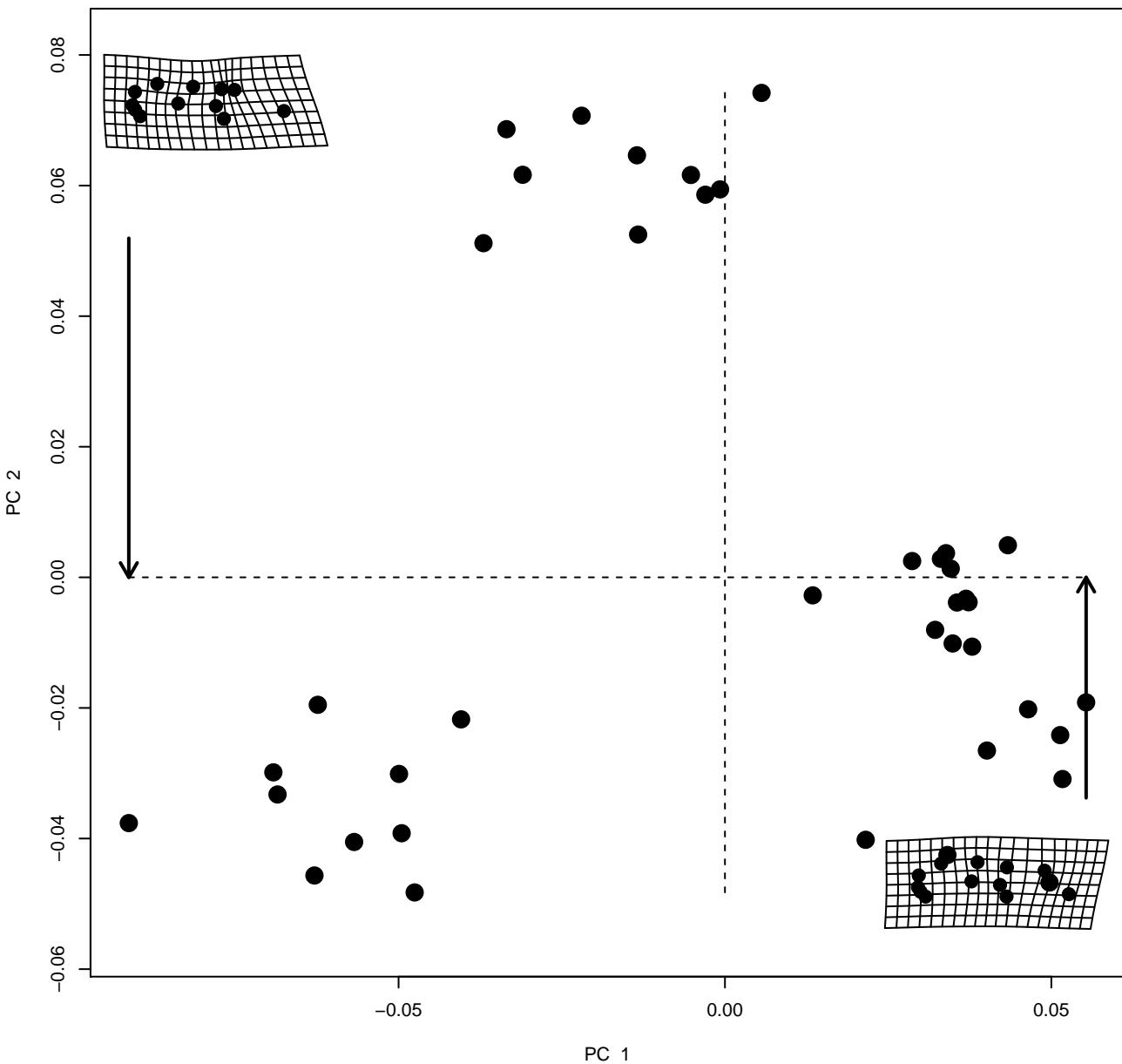


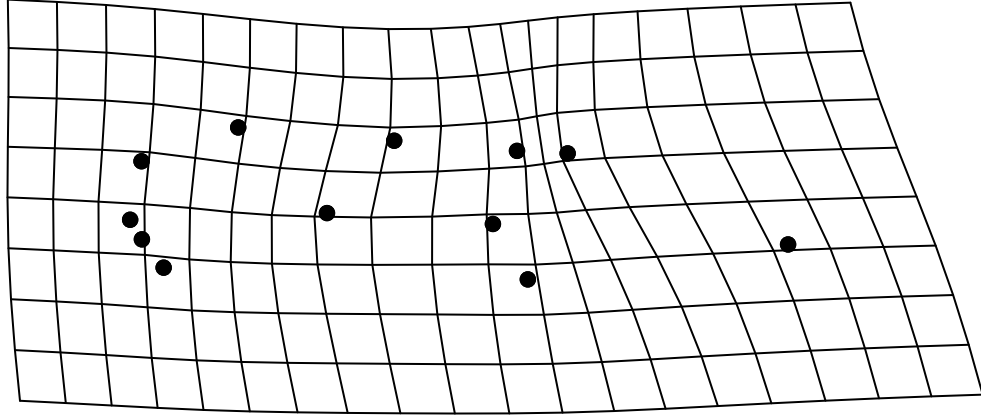


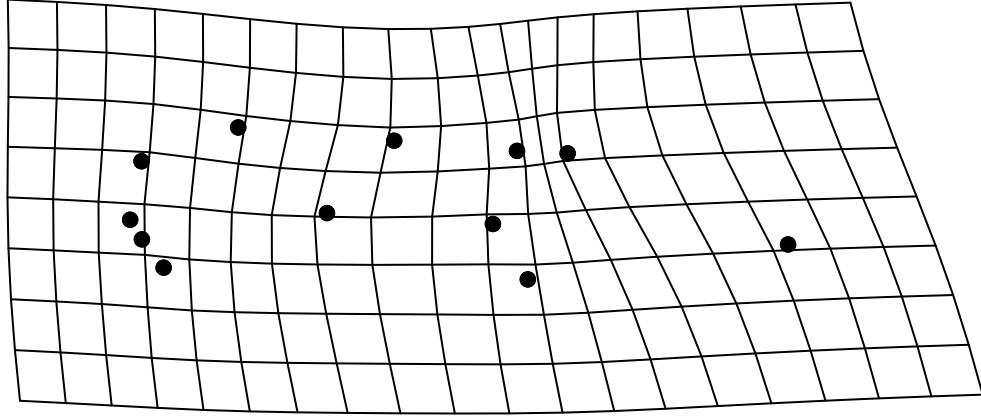


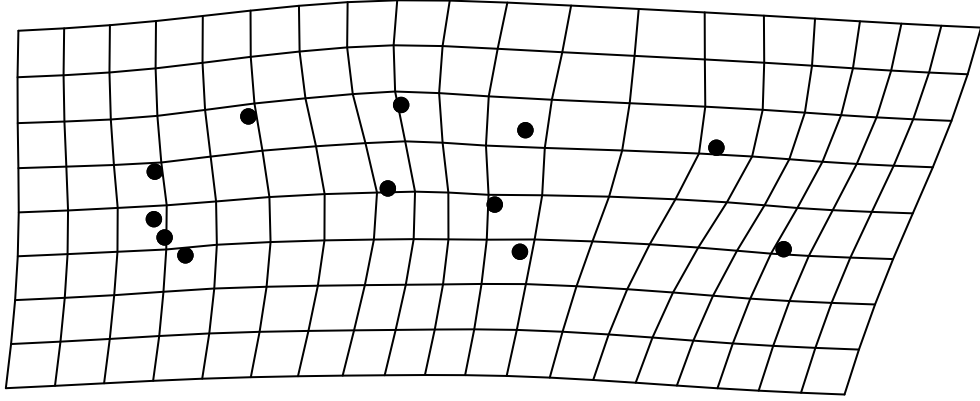


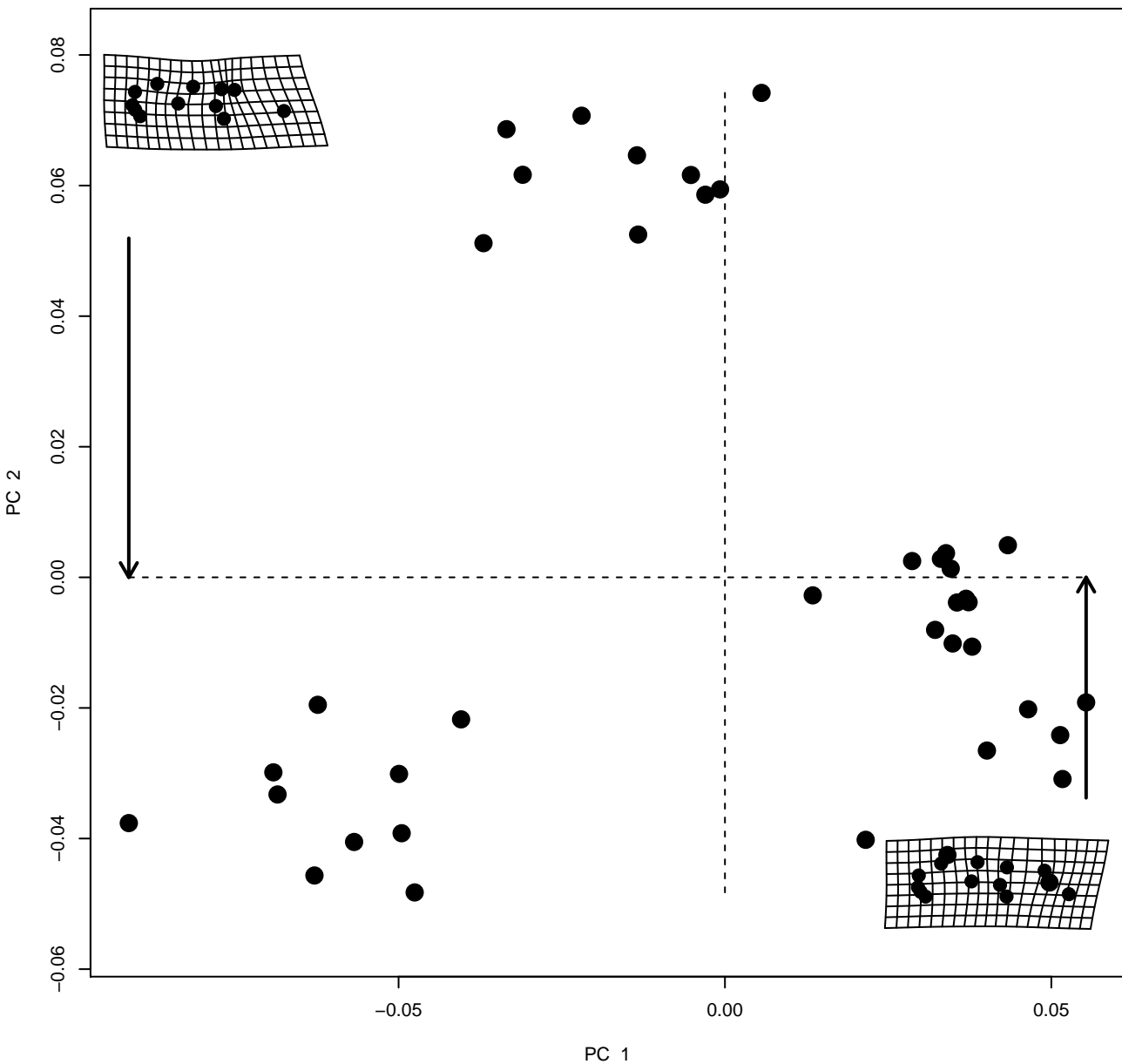


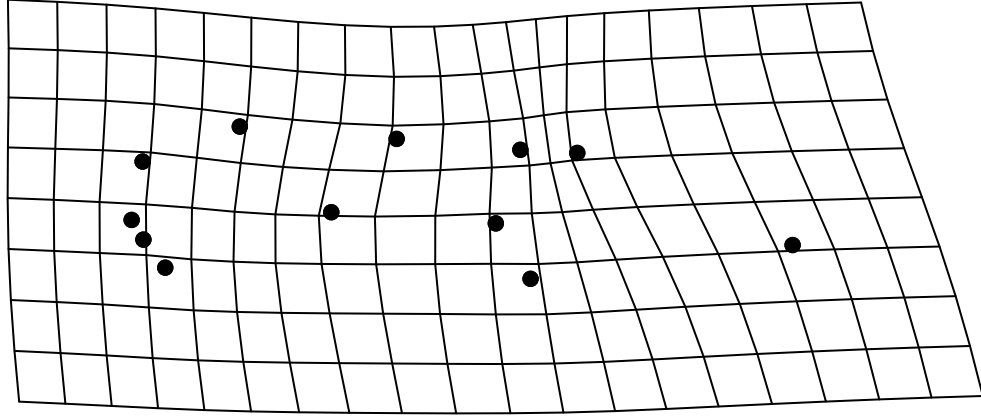




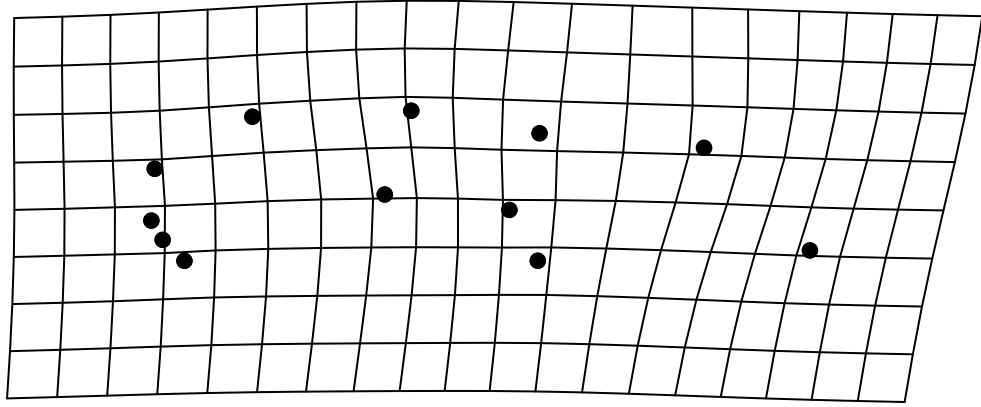




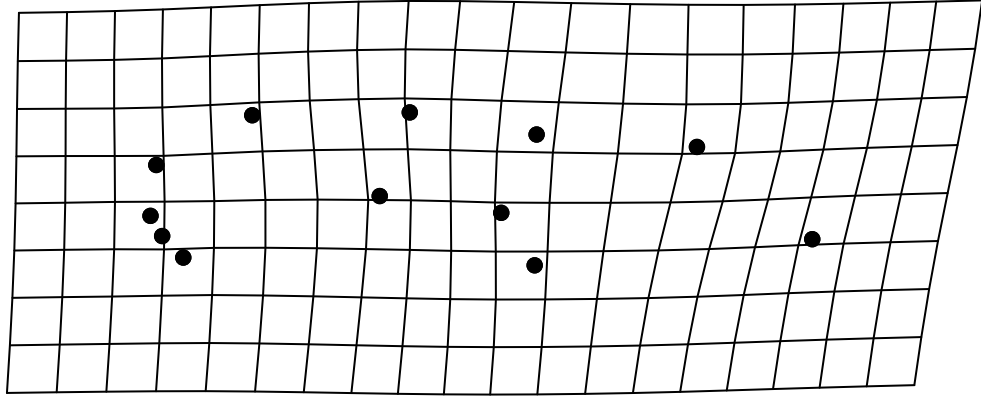


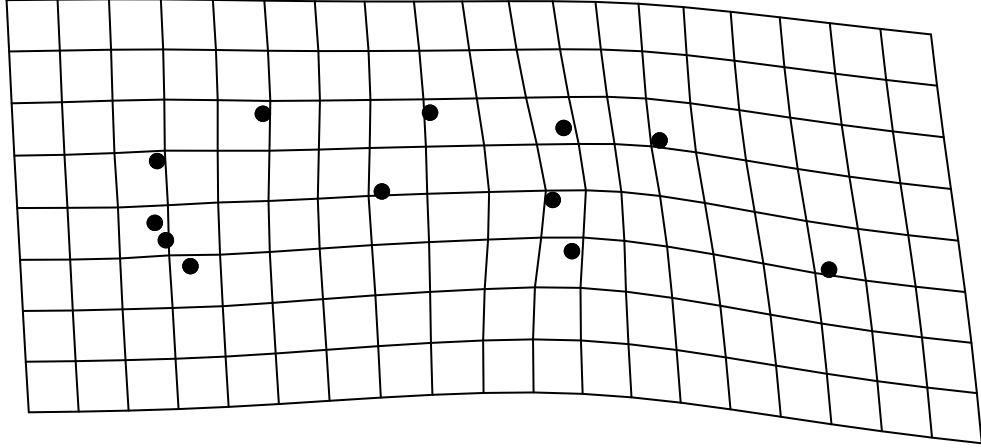


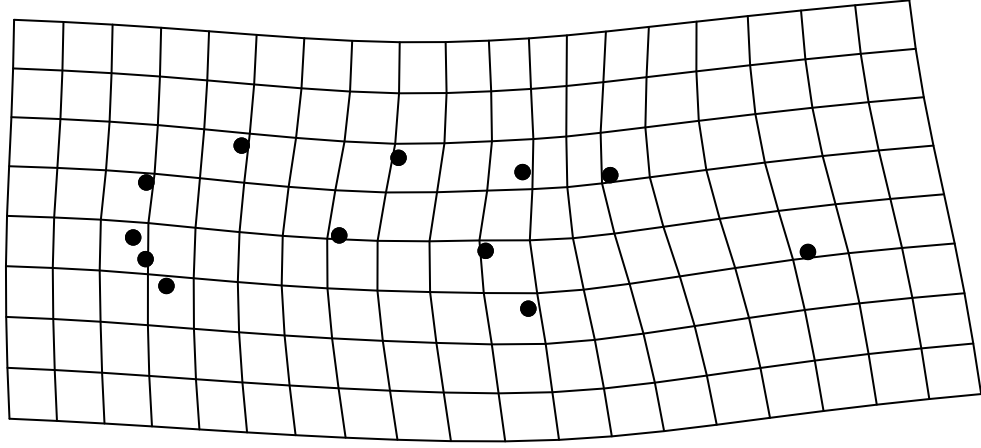


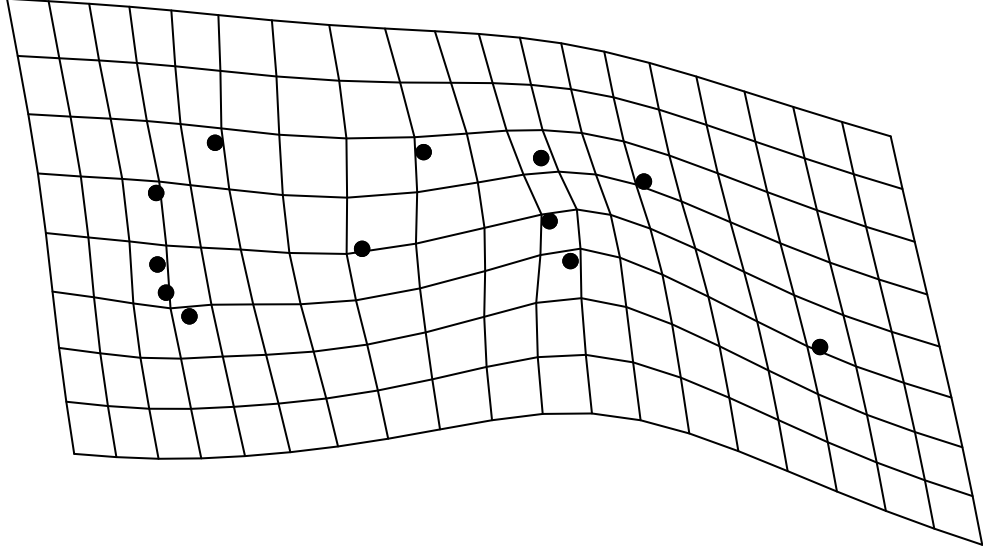


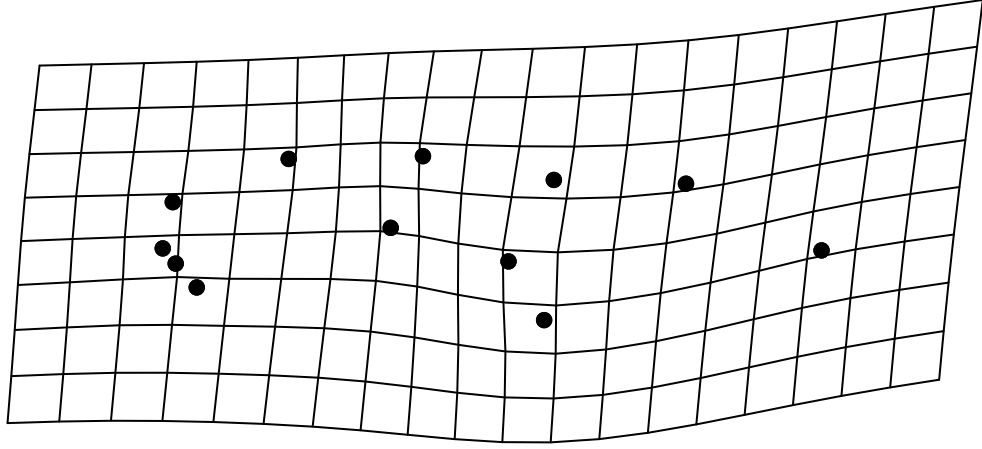
help("shape.predictor")

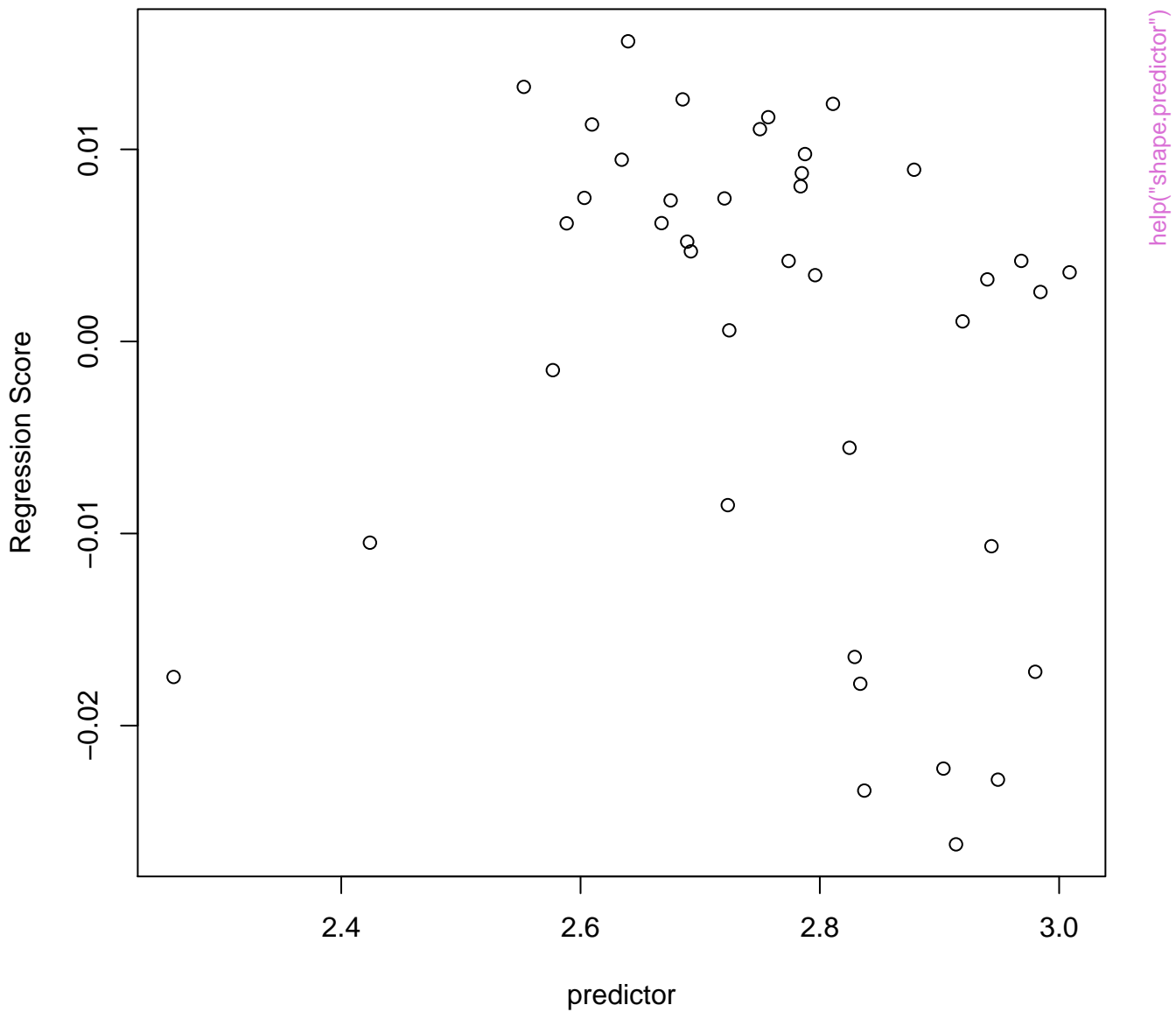


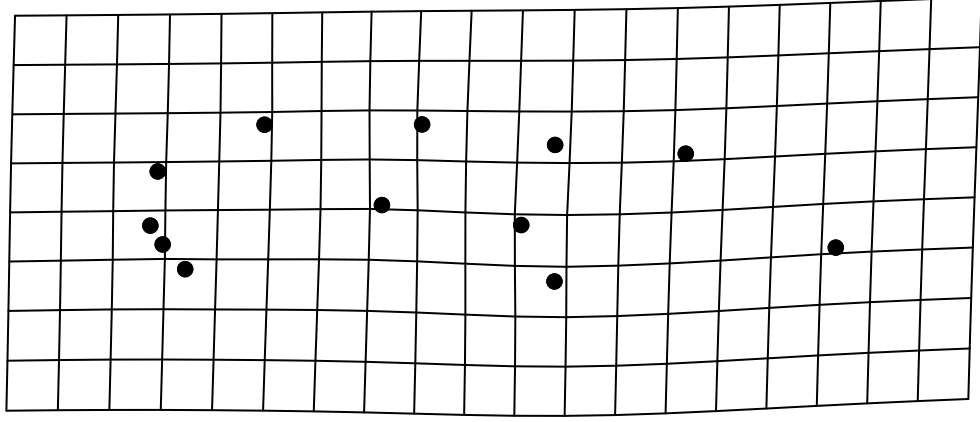




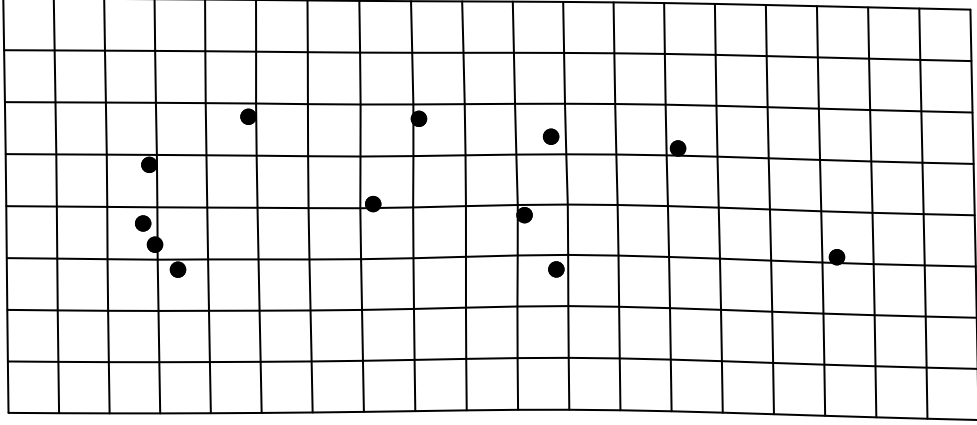




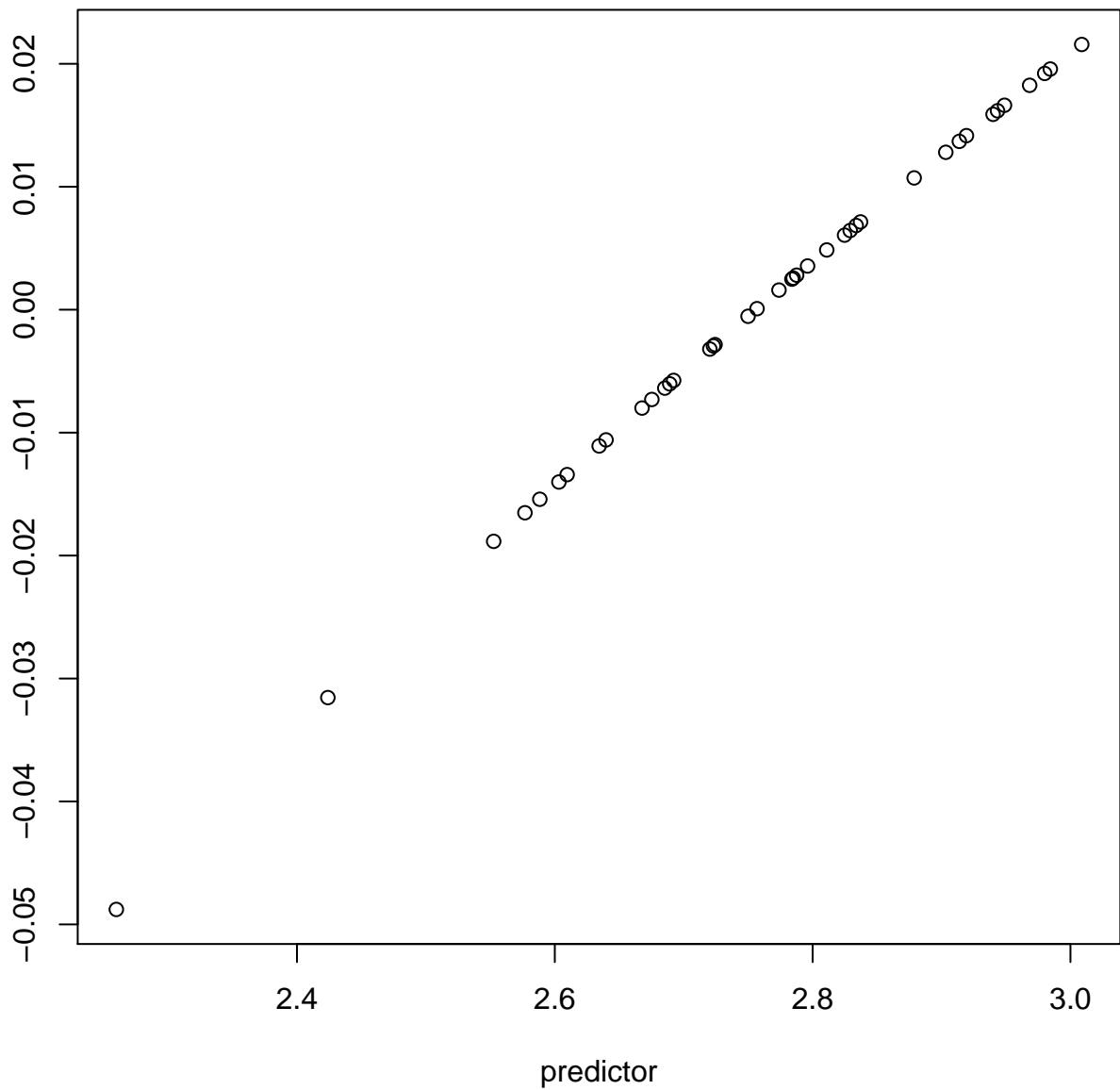




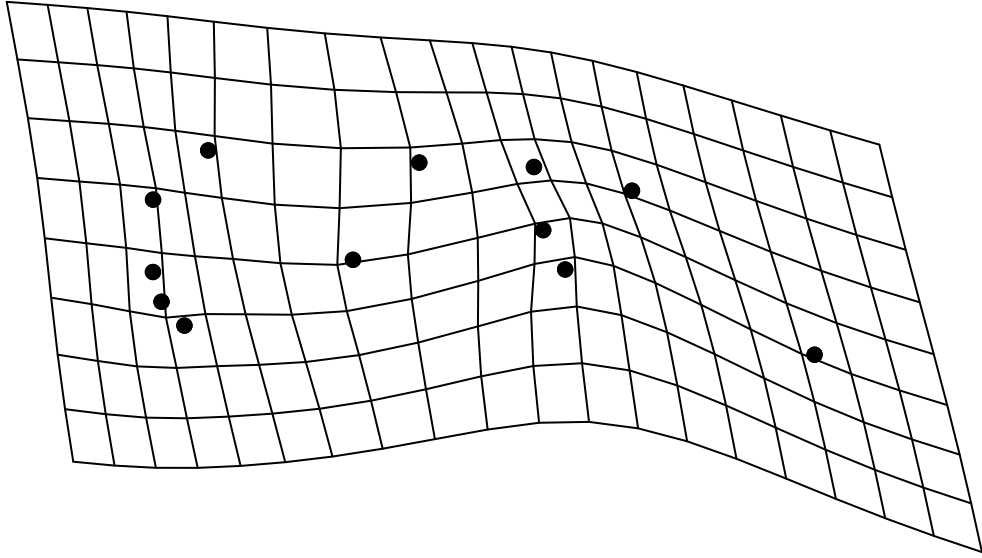


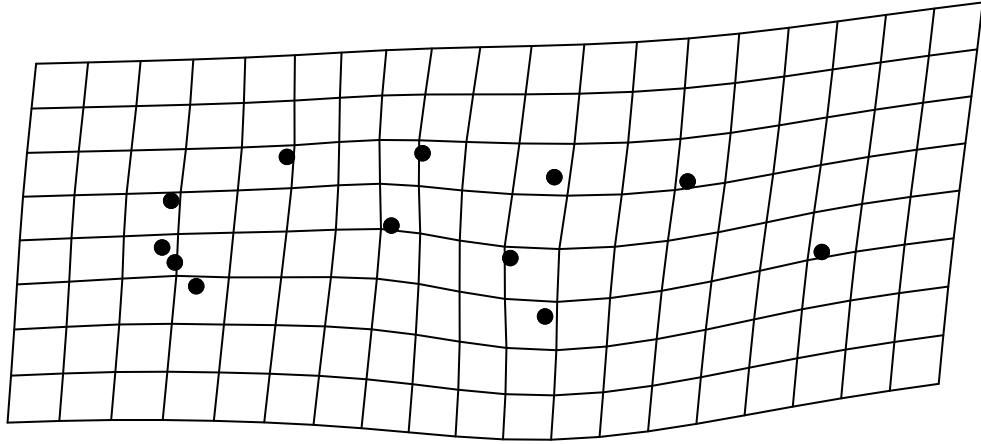


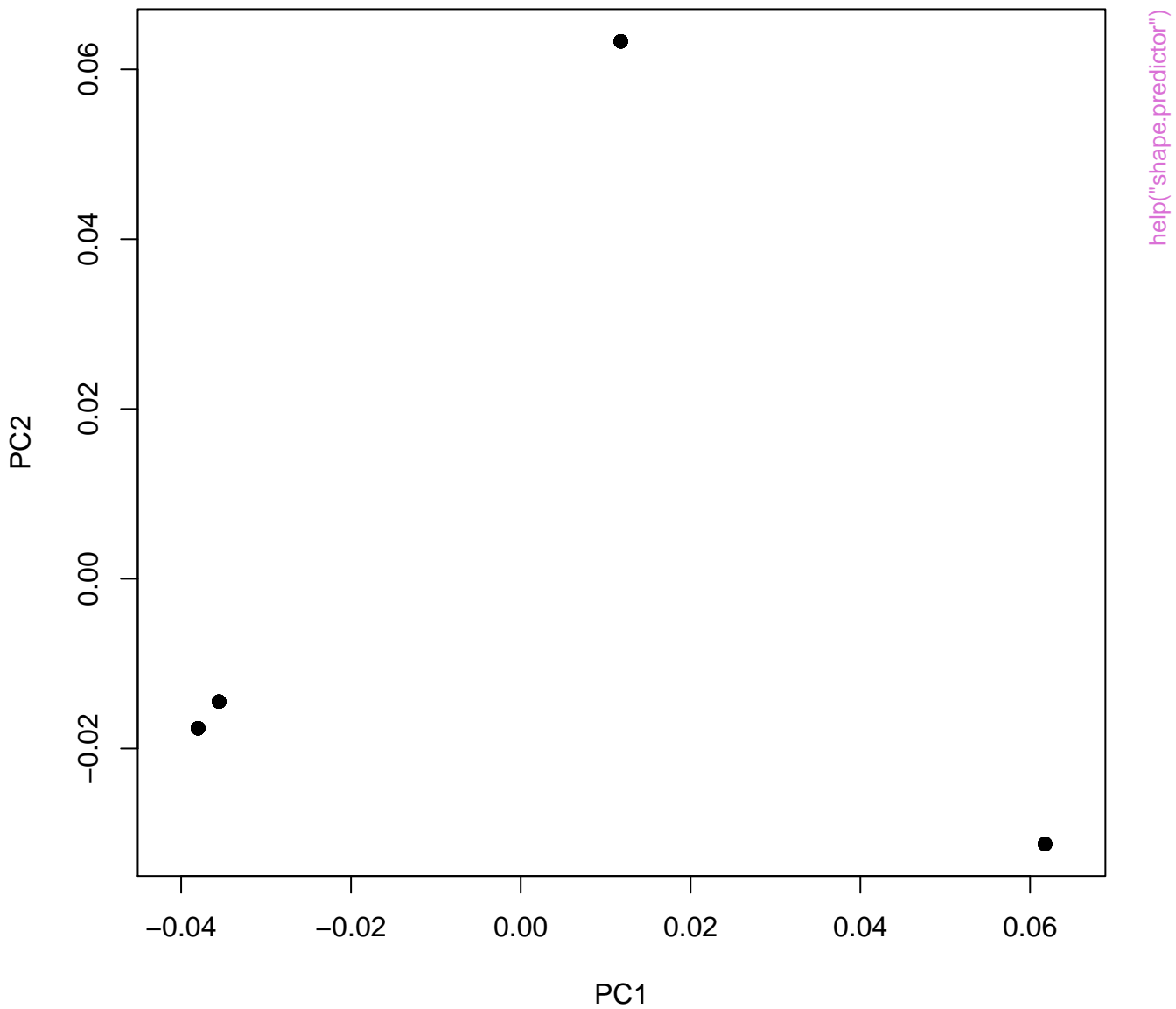
PC 1 for fitted values

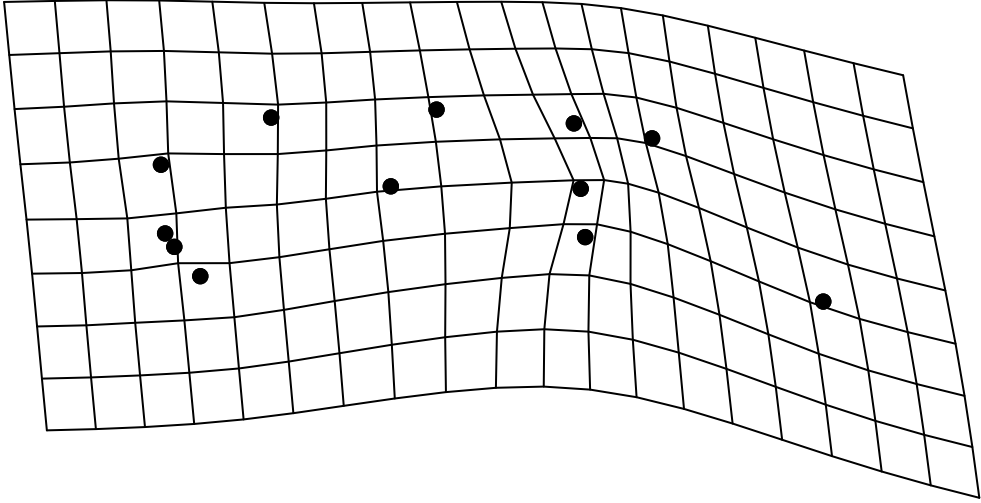


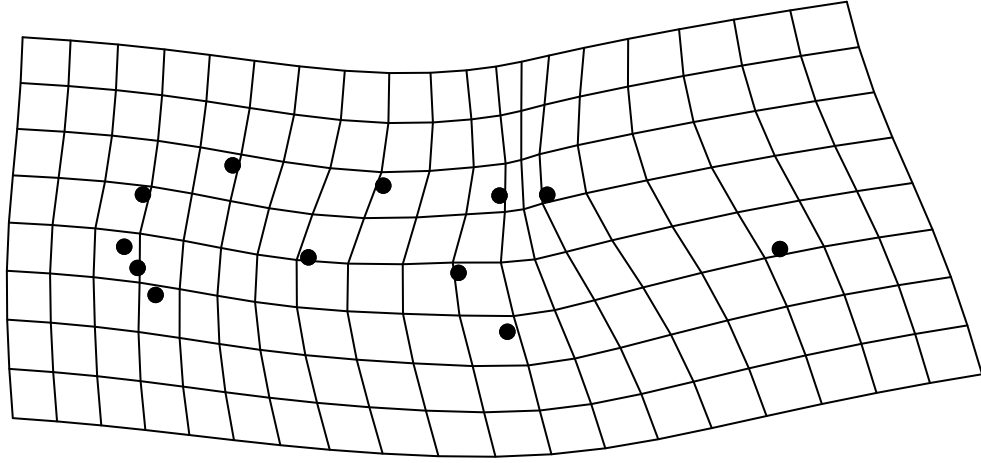
help("shape.predictor")

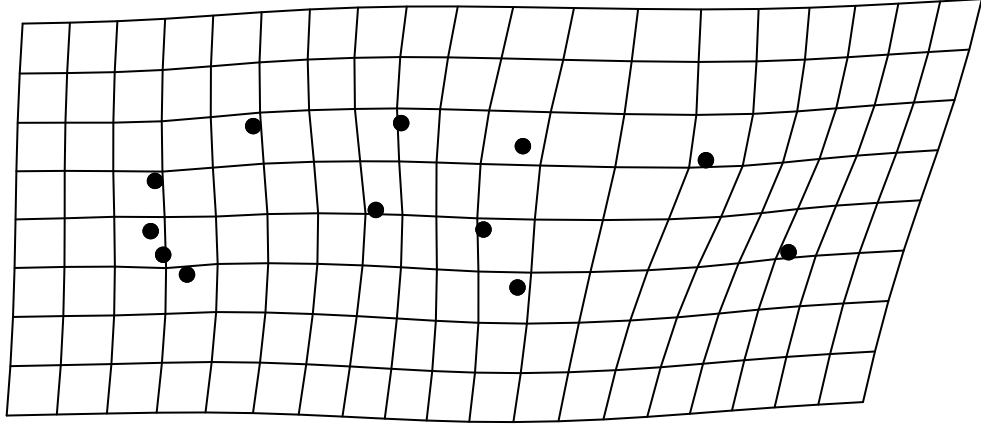




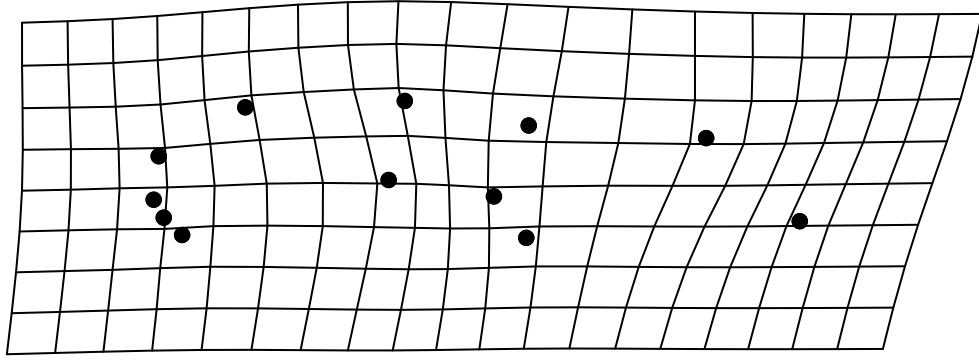


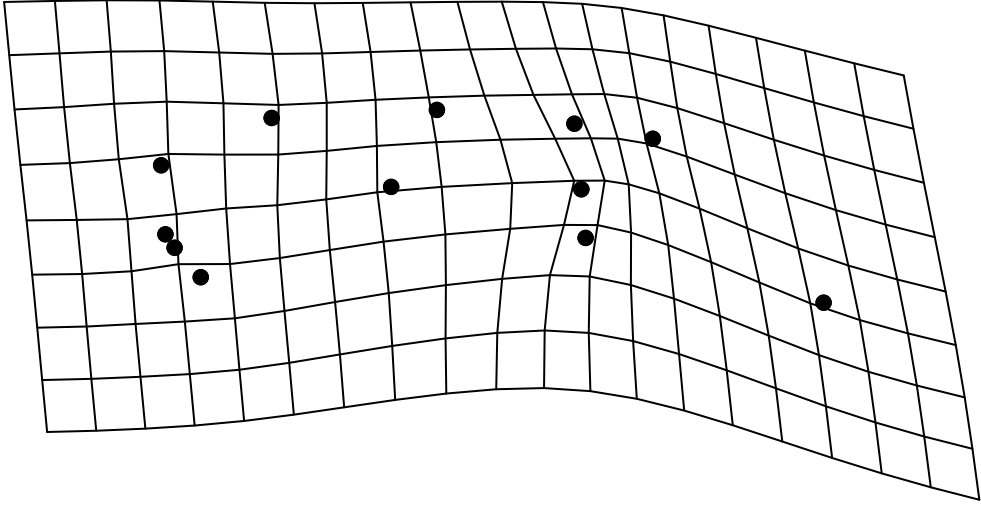


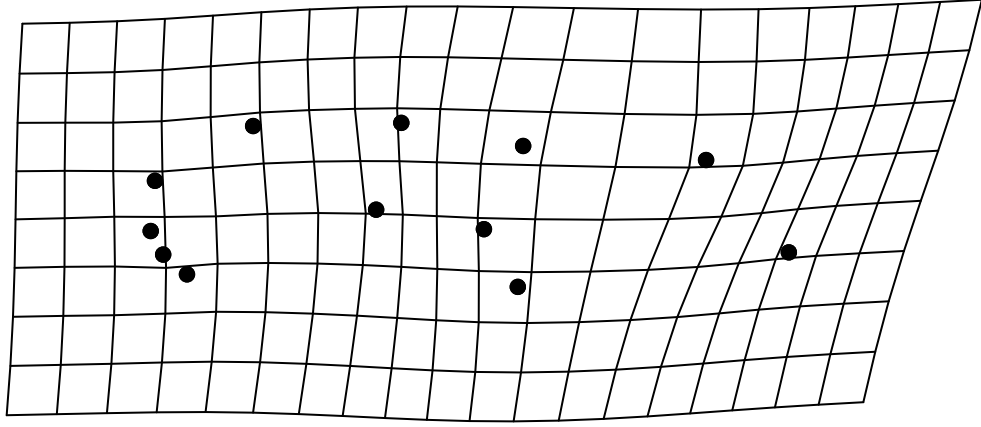




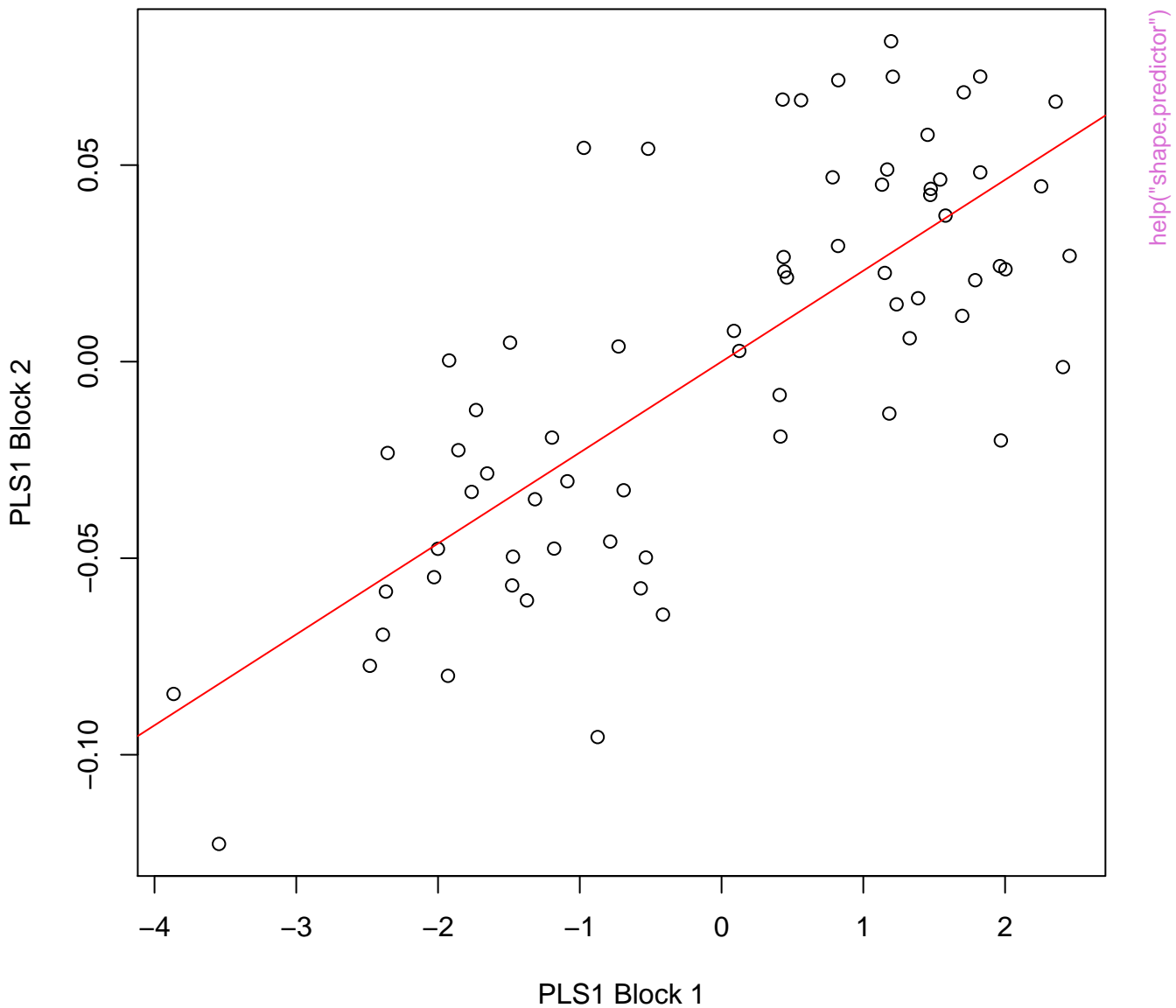


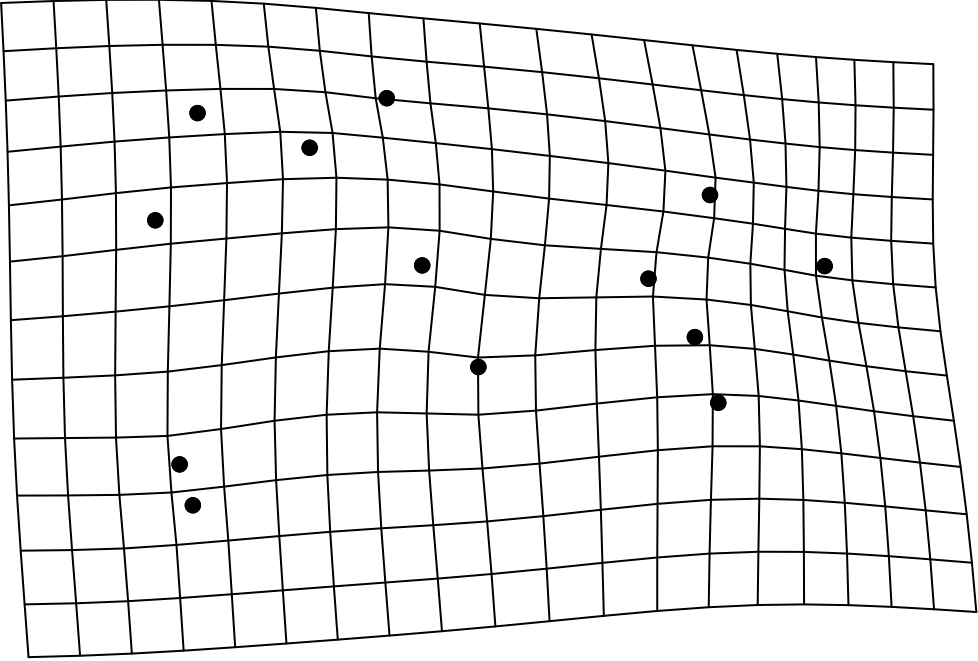


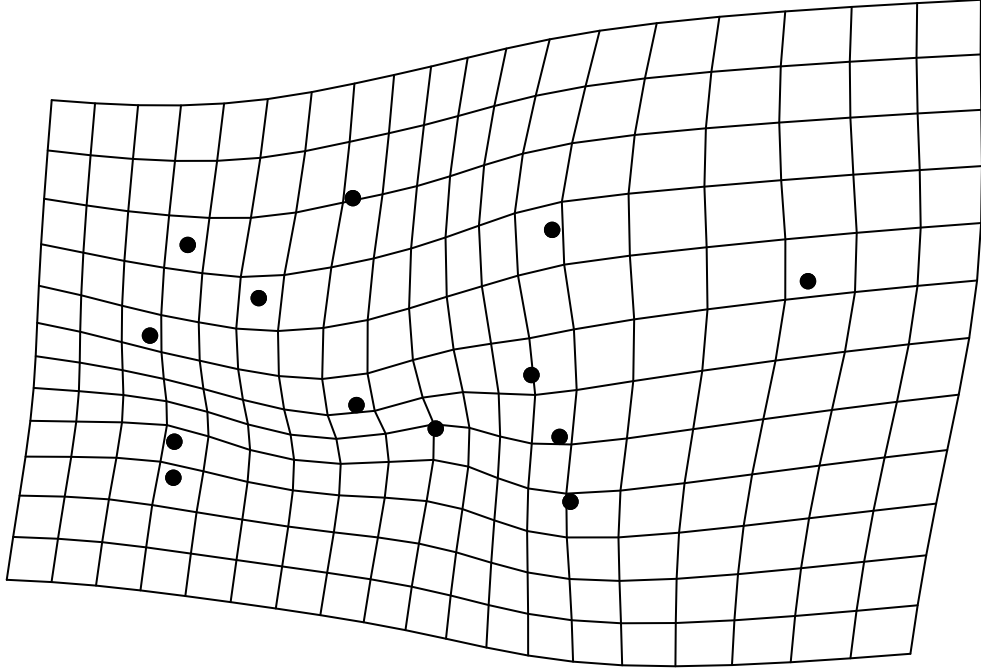


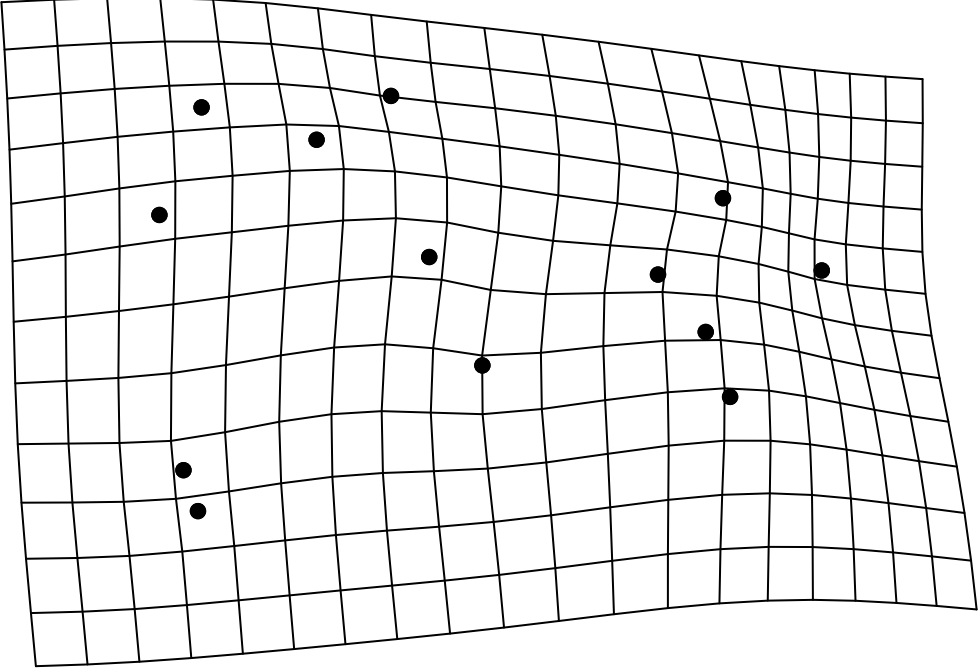


**PLS1 Plot: Block 1 (X) vs. Block 2 (Y)**

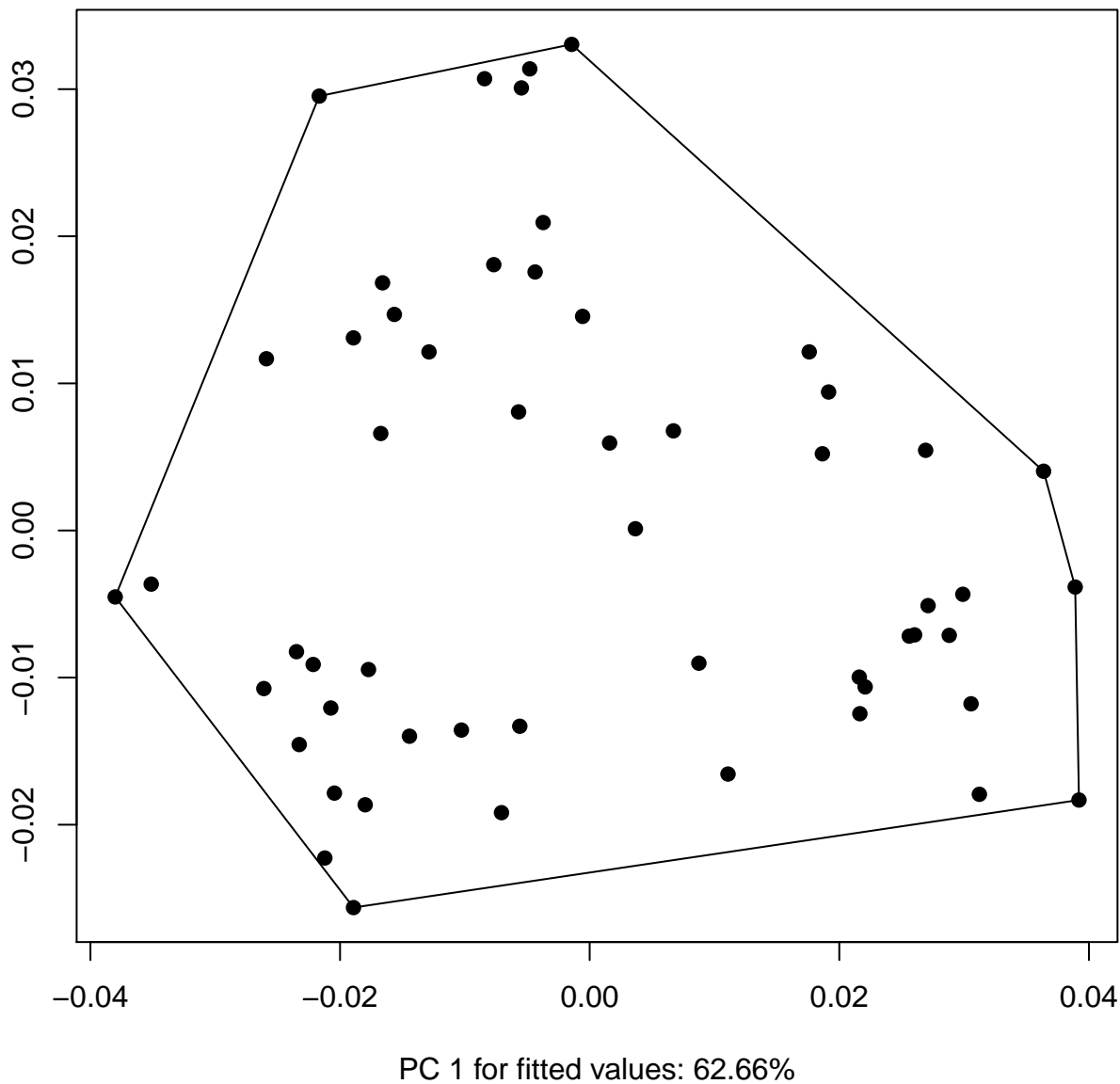








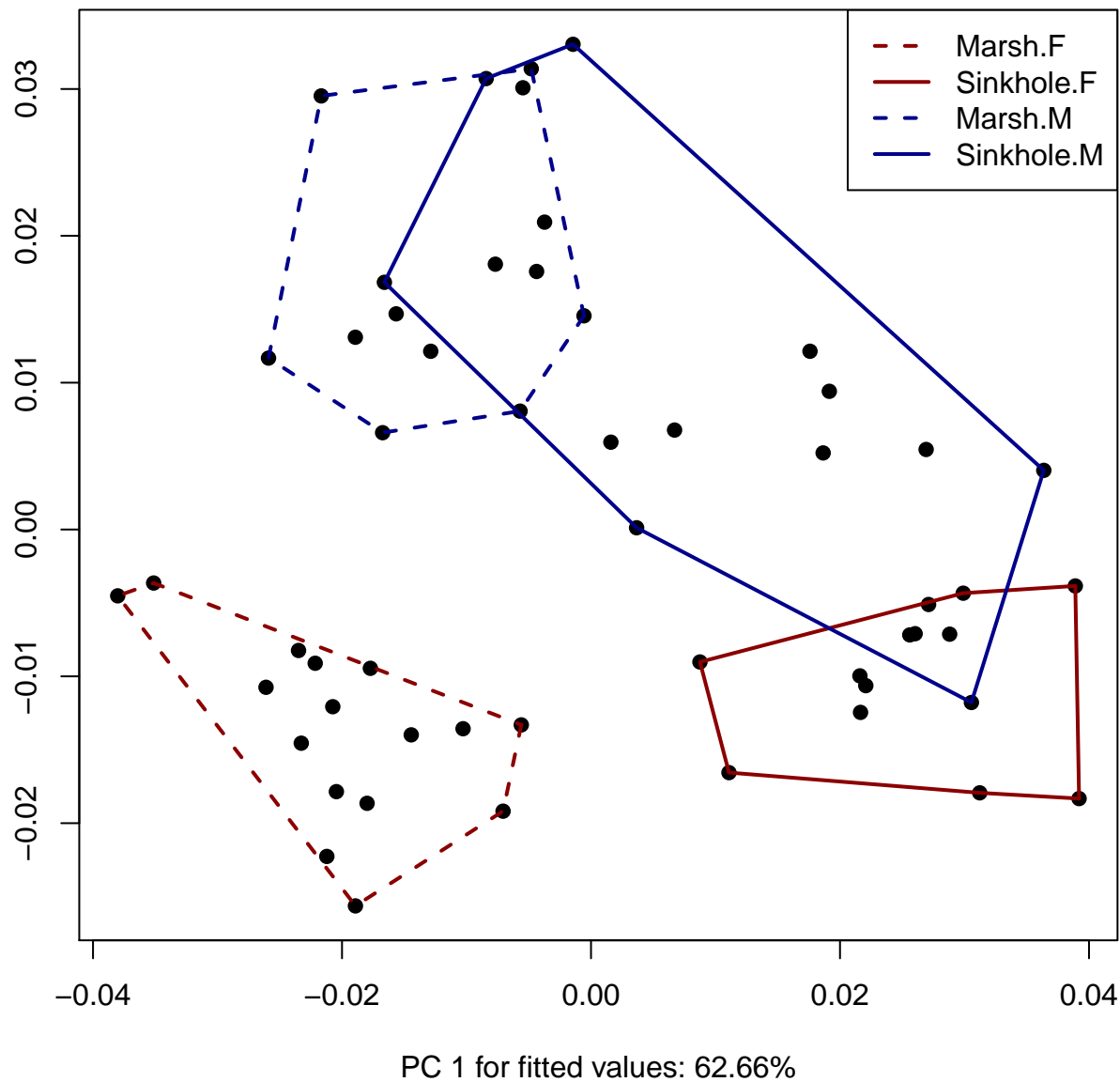
PC 2 for fitted values: 32.92%



help("shapeHulls")

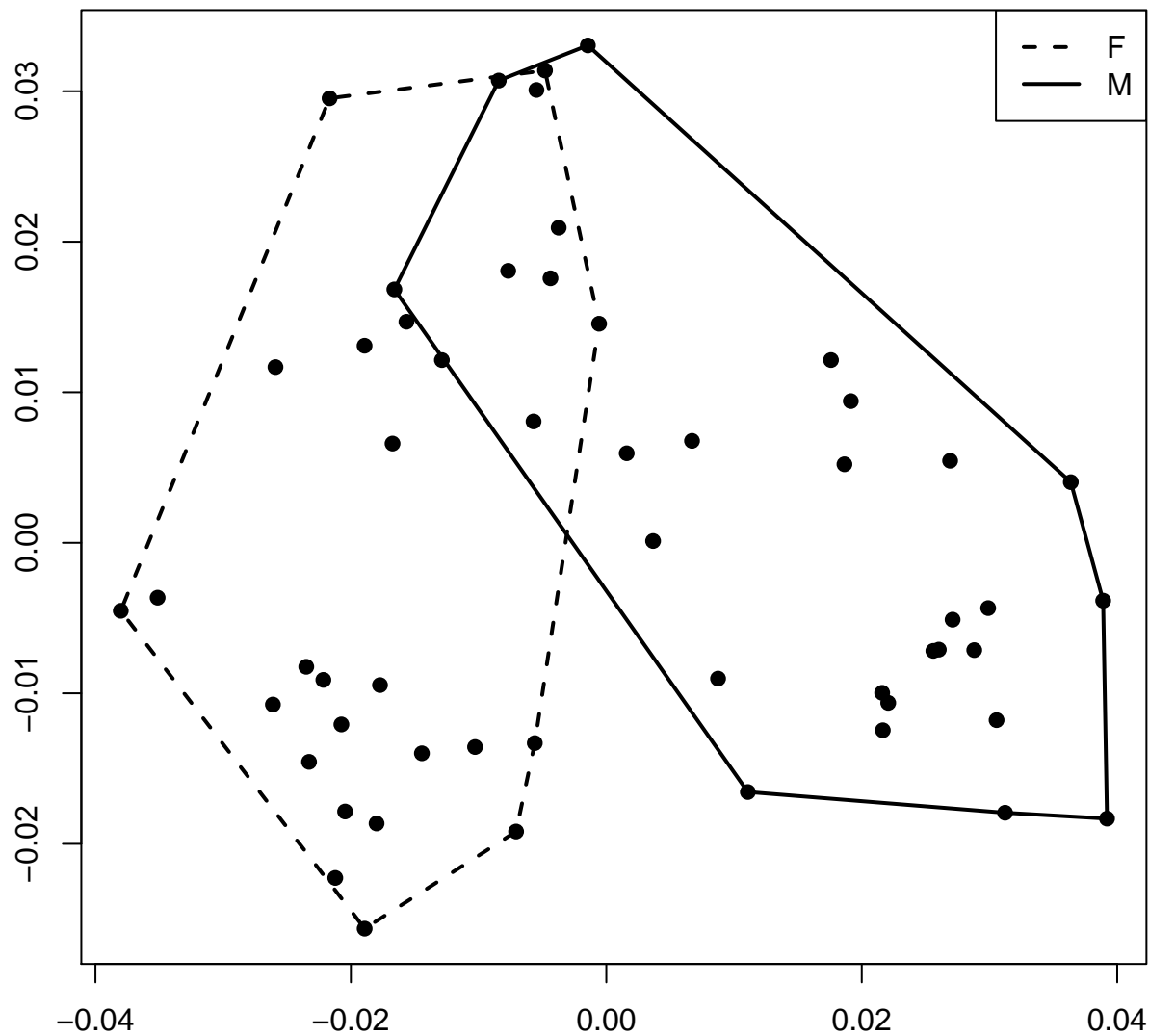


PC 2 for fitted values: 32.92%



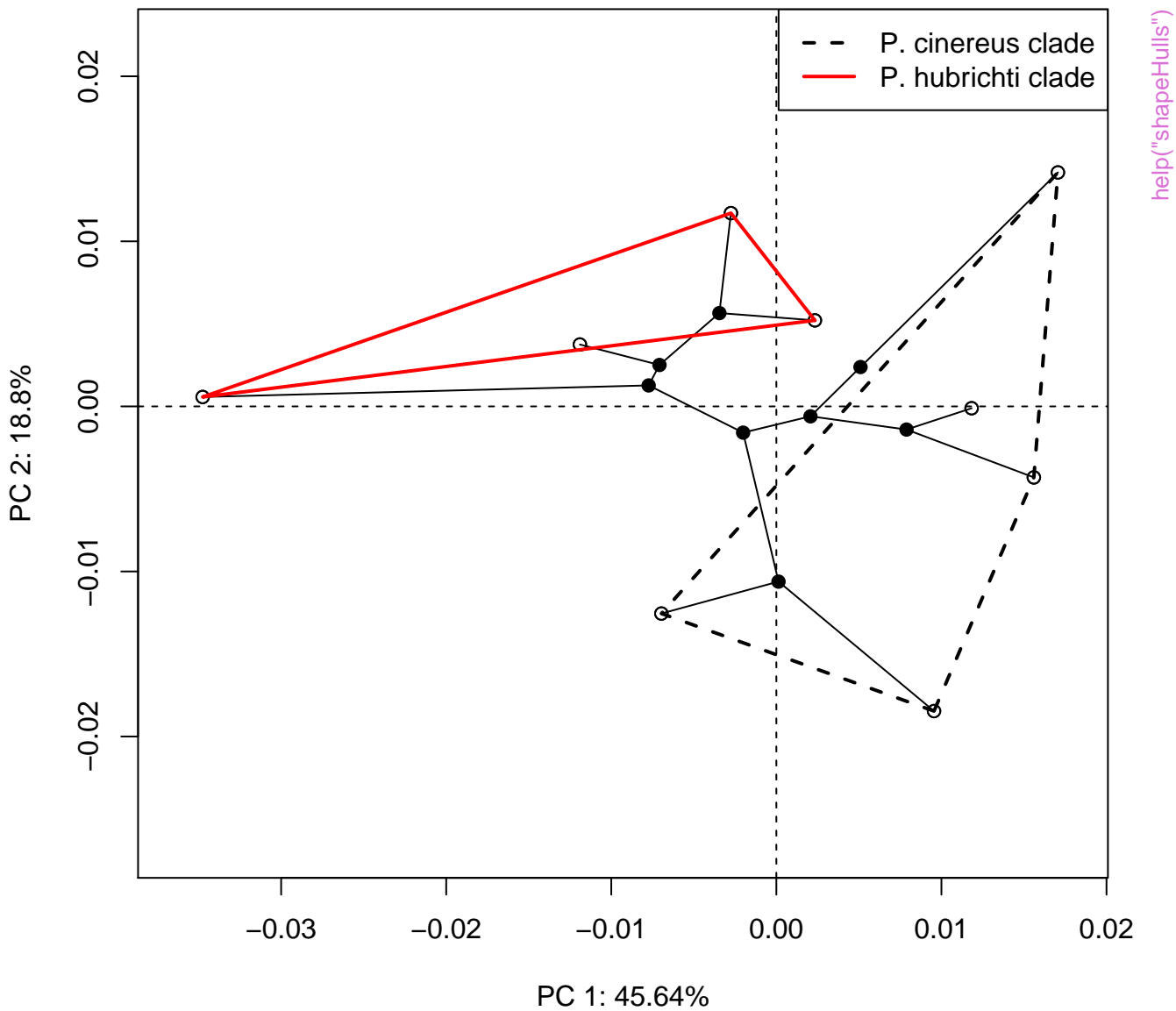
help("shapeHulls")

PC 2 for fitted values: 32.92%



PC 1 for fitted values: 62.66%

help("shapeHulls")



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

