

netcopula package

Report at 2016-05-06

Sergio Venturini

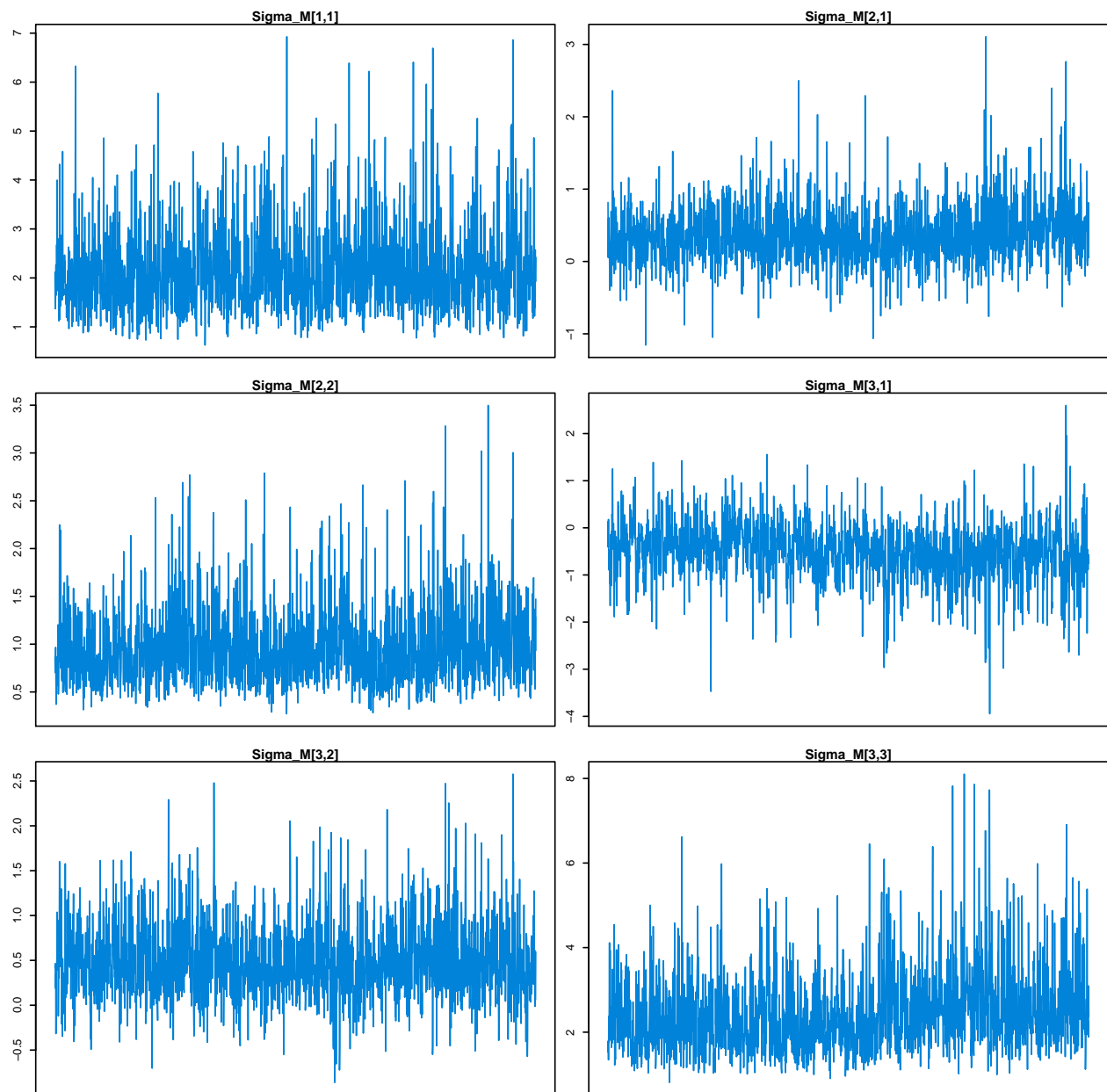
Using *all the data* from Achana et al. (2014) (i.e. imputing the missing outcomes)

All the latent variables are estimated, tha is, we do not use the imputation algorithm.

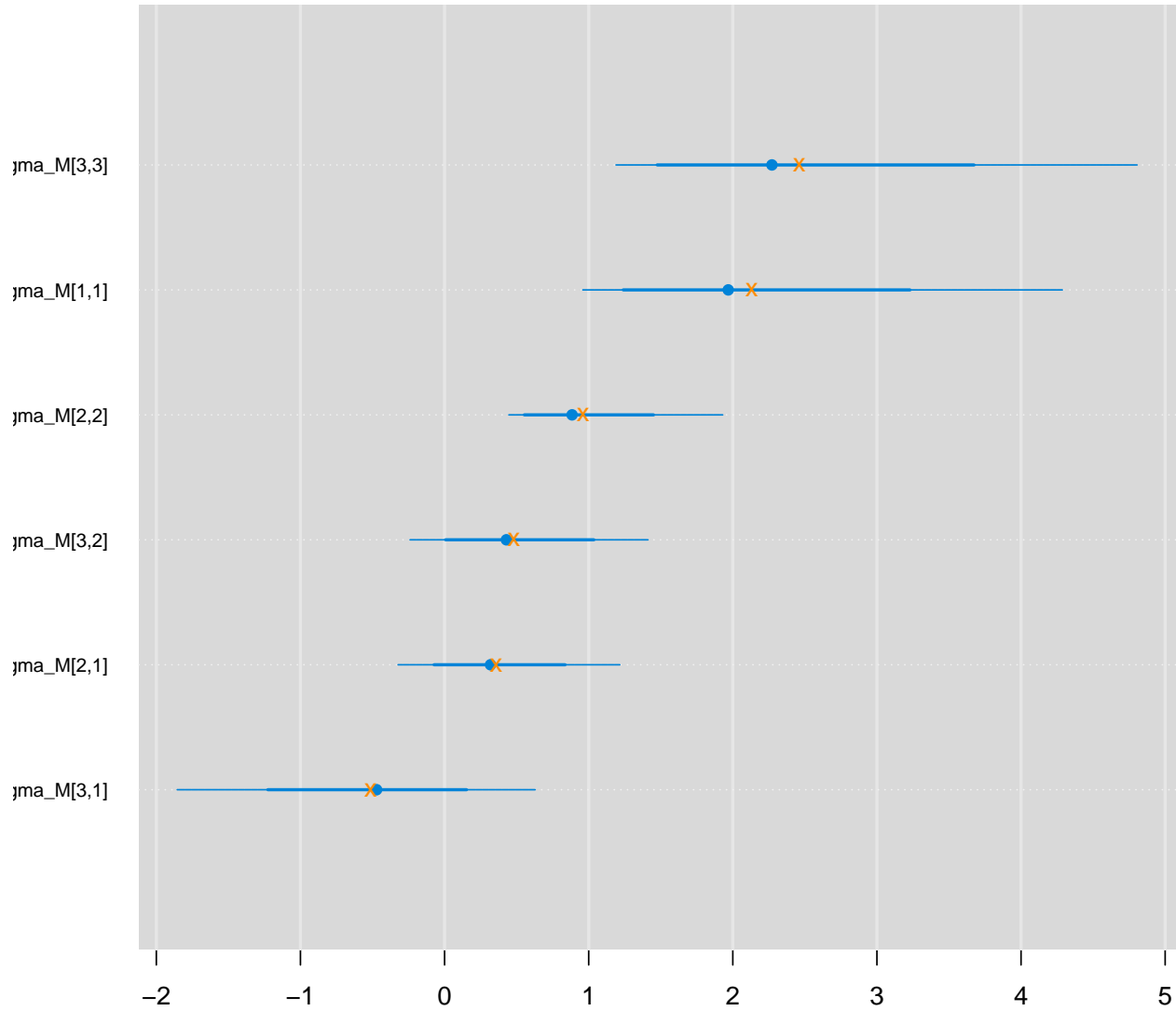
Γ (outcome copula correlation matrix)

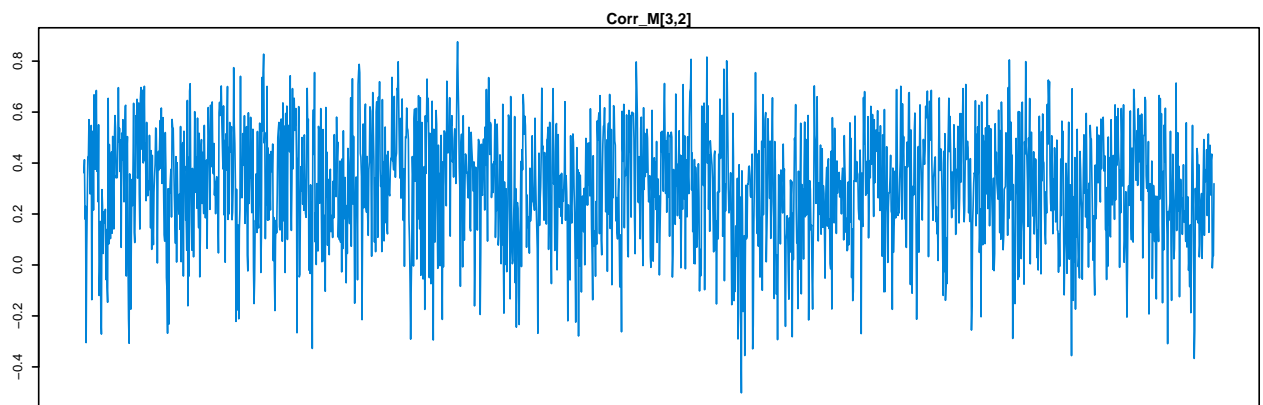
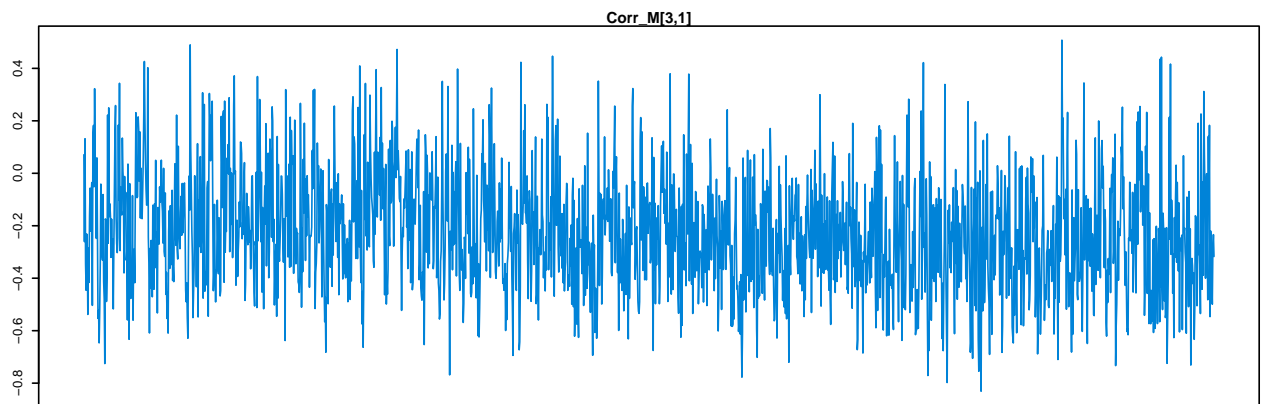
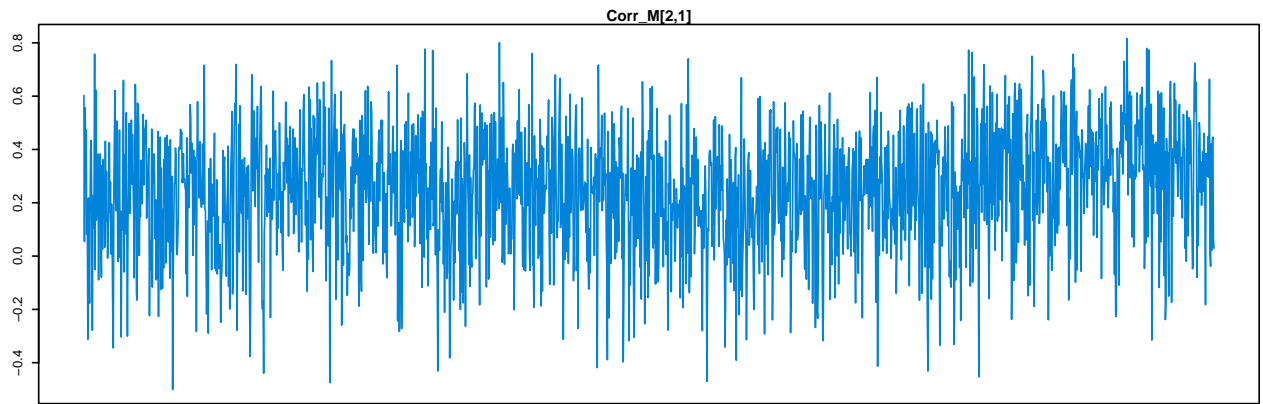
Here, the Γ matrix is not estimated, but it is constrained to be equal to the identity matrix.

Σ_M (common between-study covariance structure)

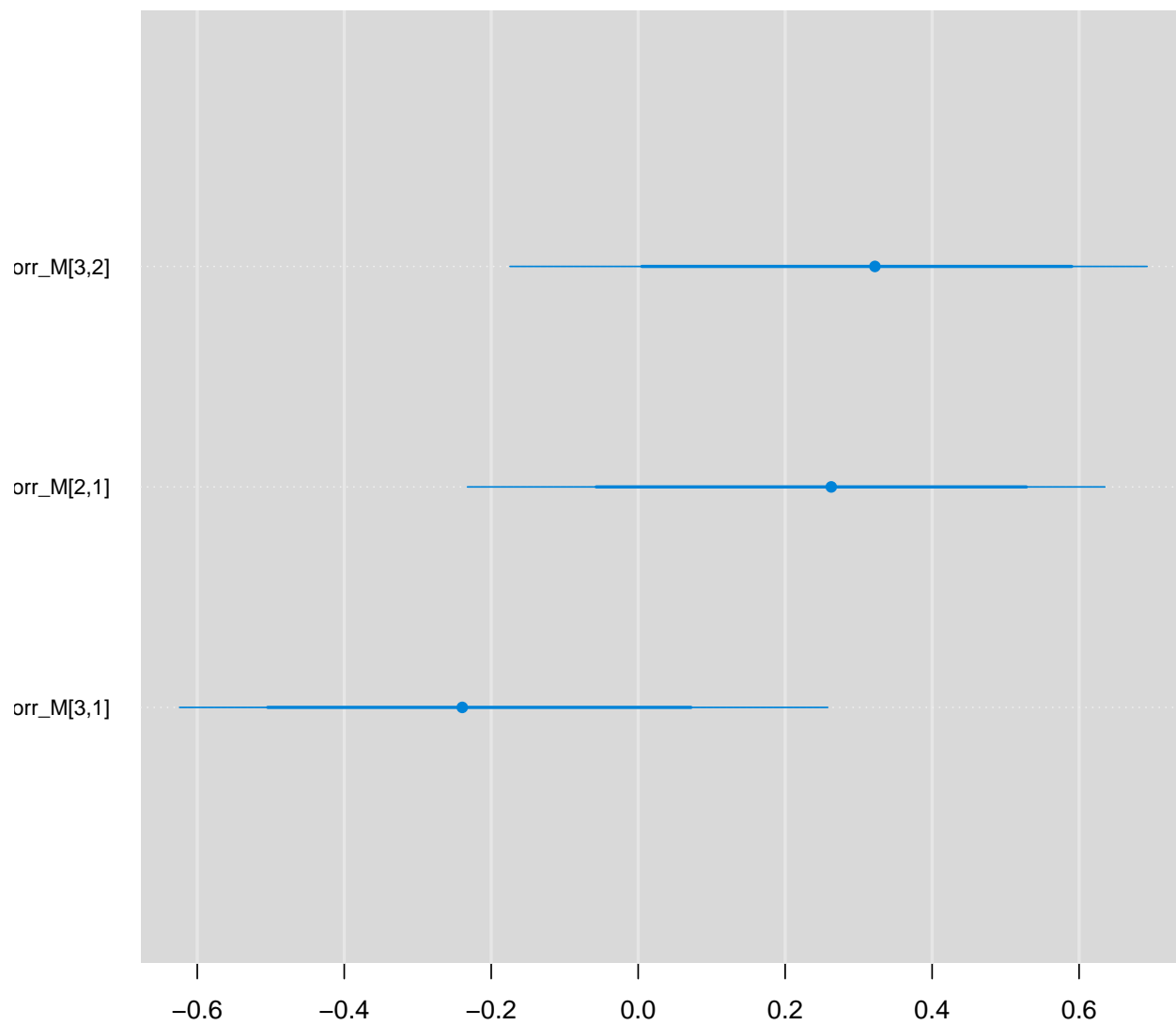


parameters Sigma_M





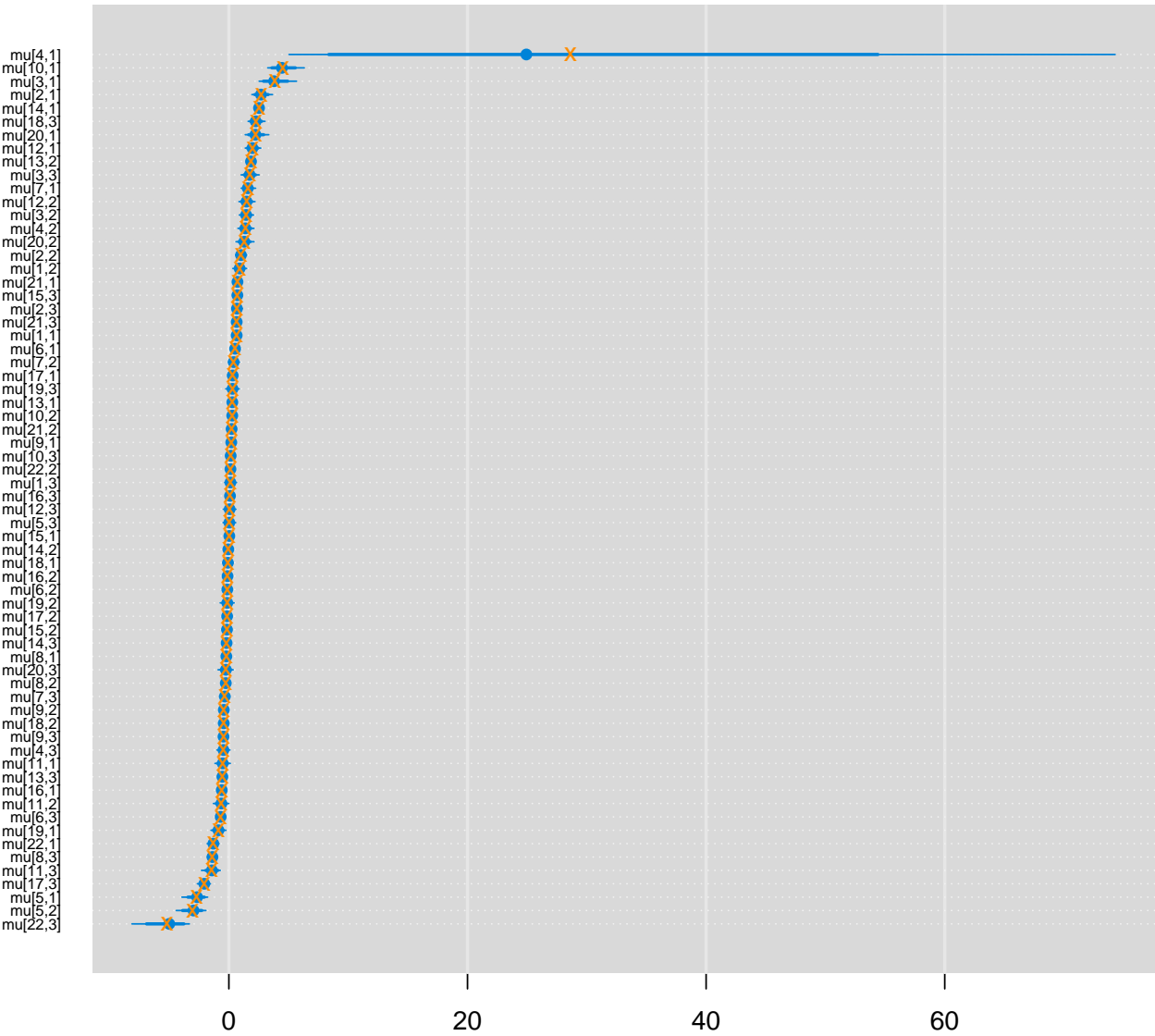
parameters Corr_M



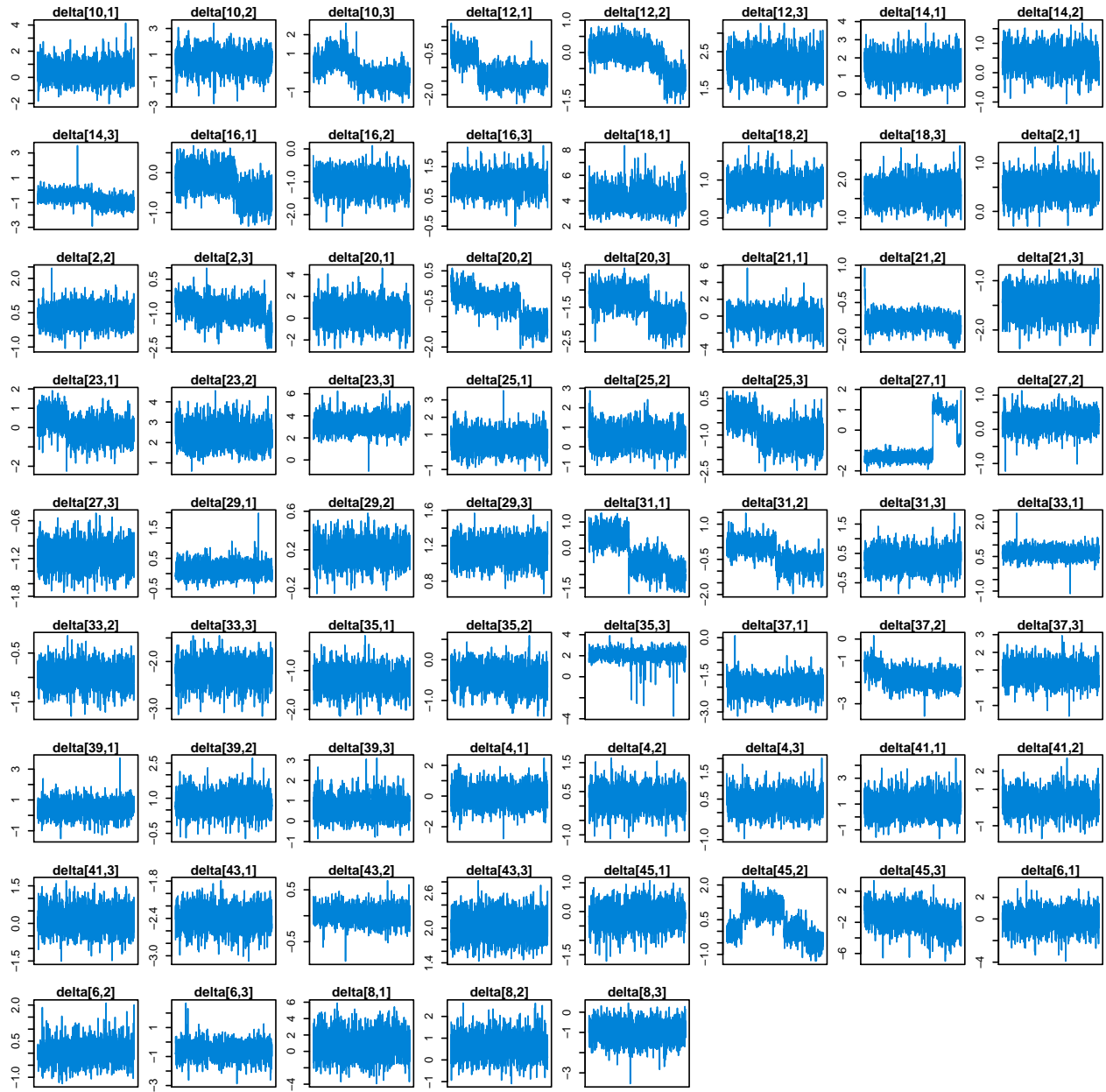
μ (study-specific baseline effects)



parameters mu

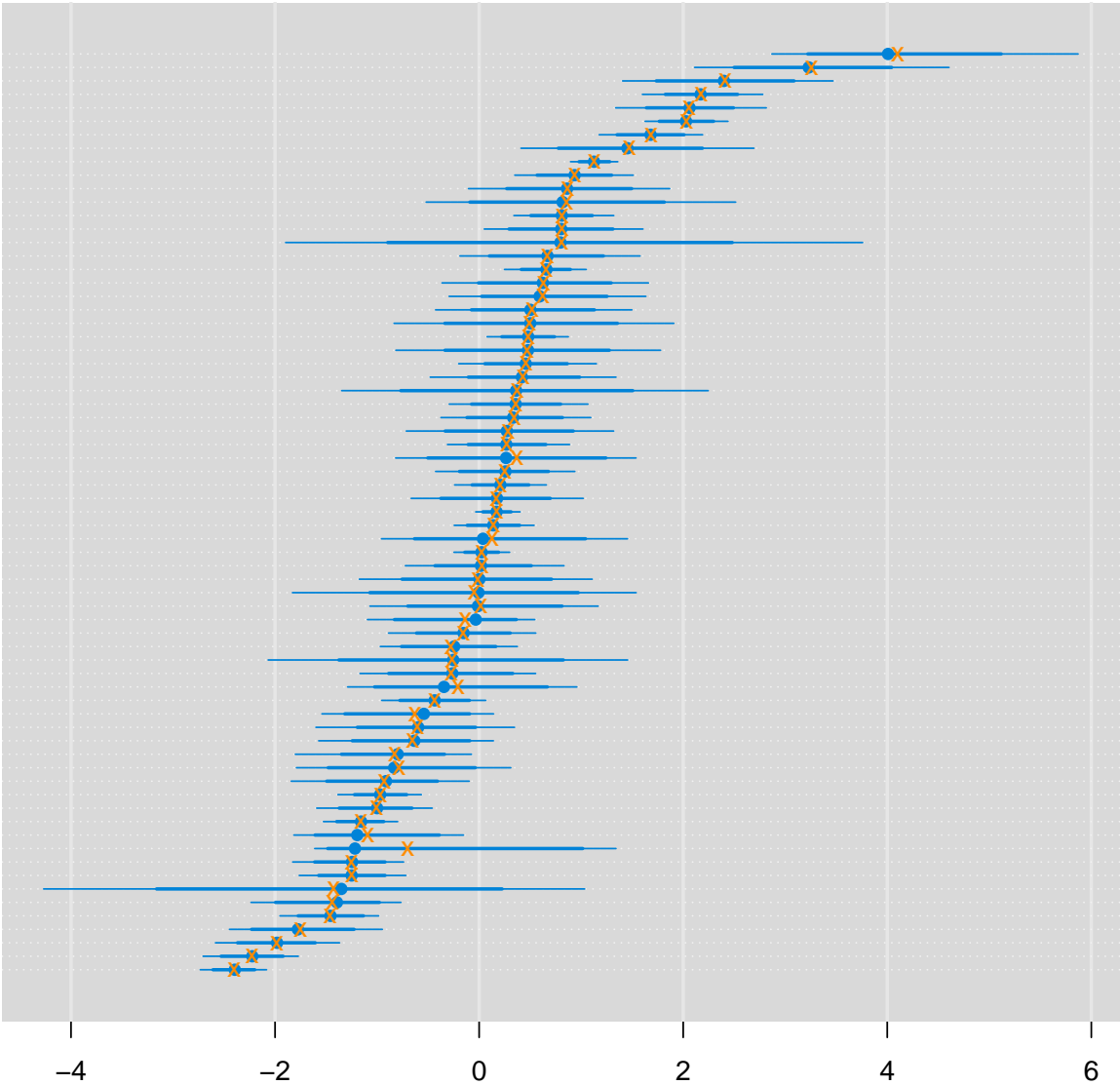


δ (study-specific [random] treatment effects)

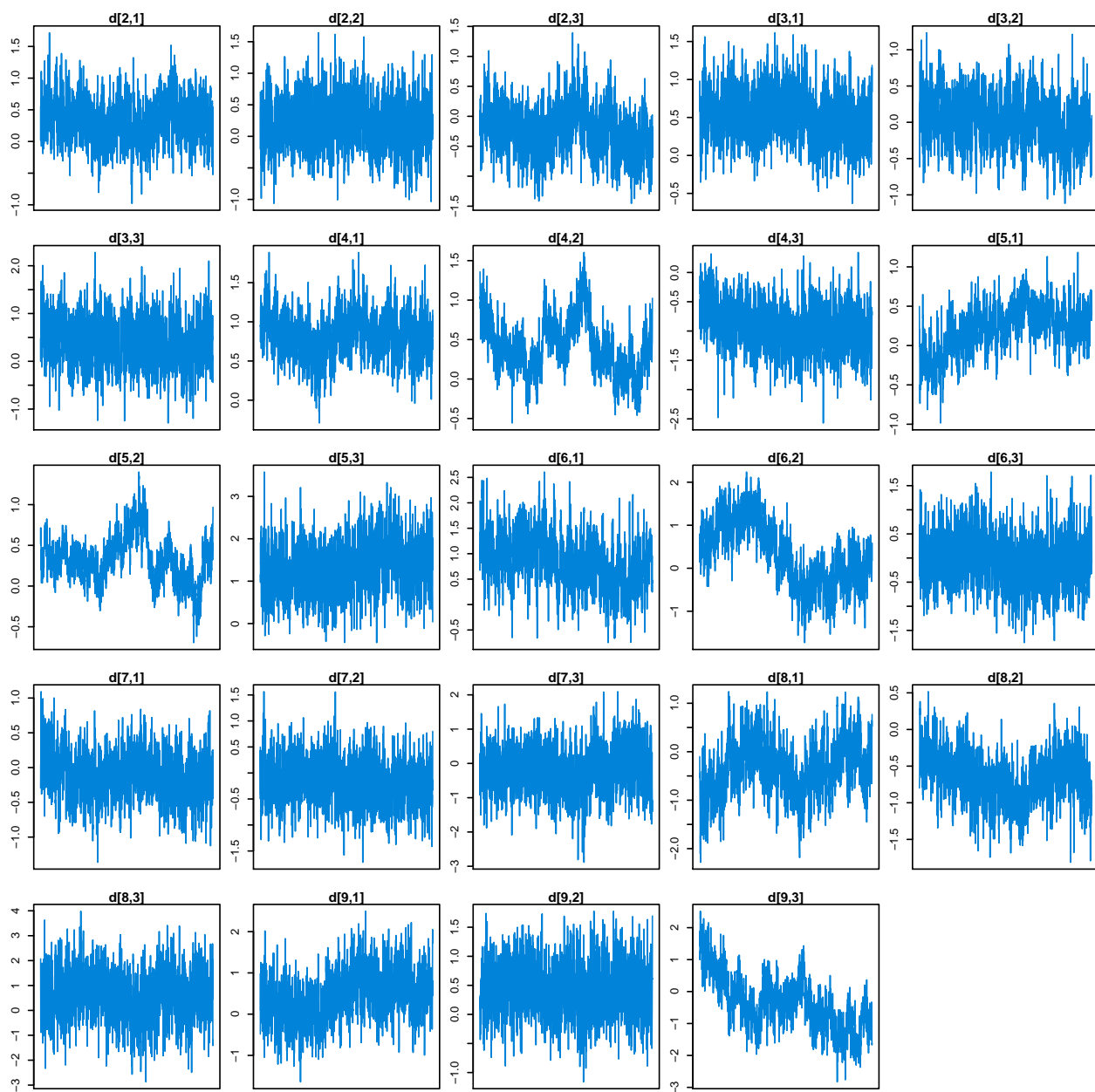


parameters delta

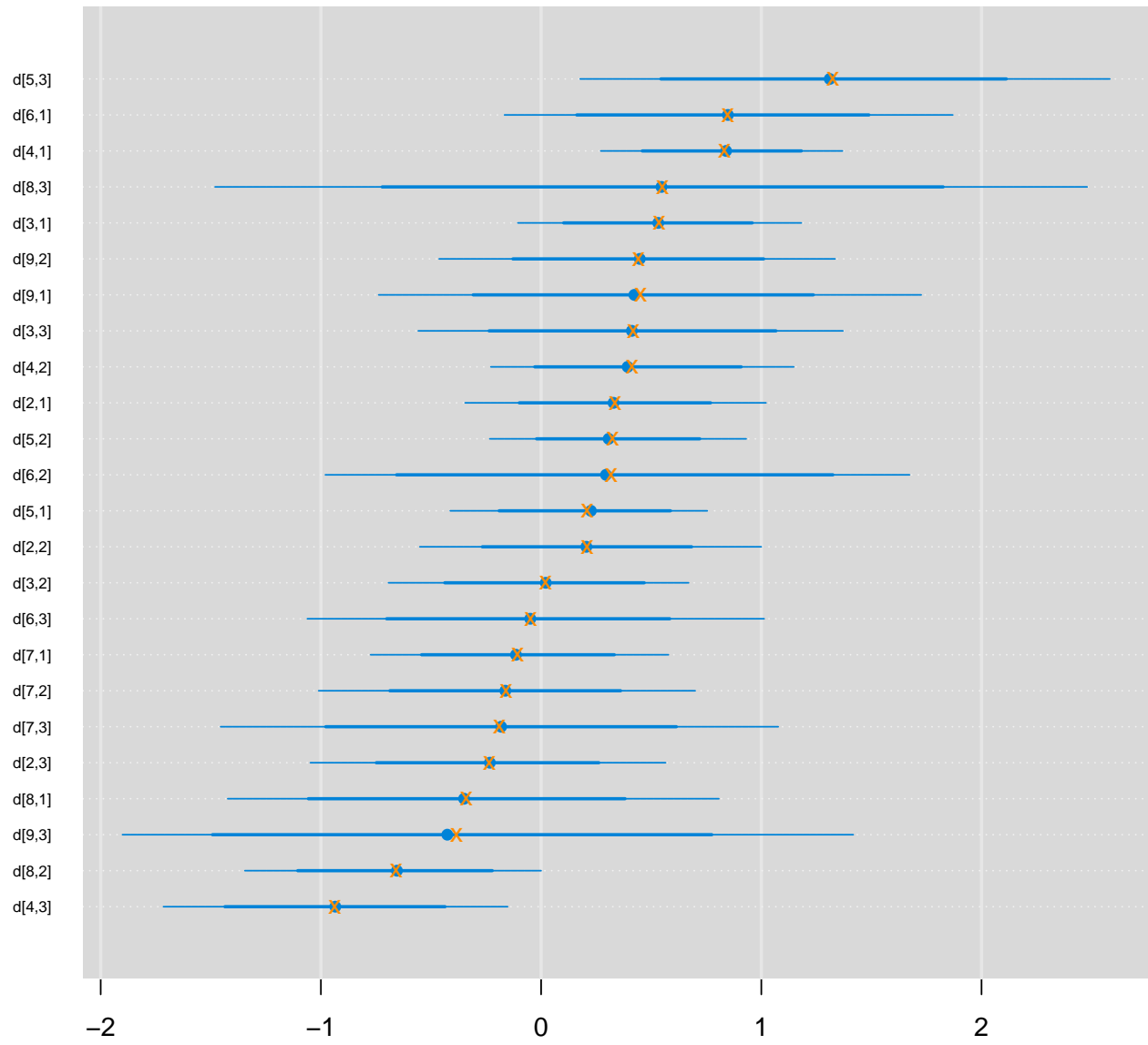
delta[18,1]
delta[23,3]
delta[23,2]
delta[12,3]
delta[35,3]
delta[43,3]
delta[18,3]
delta[14,1]
delta[29,3]
delta[16,3]
delta[37,3]
delta[41,1]
delta[18,2]
delta[39,2]
delta[8,1]
delta[39,3]
delta[33,1]
delta[25,1]
delta[8,2]
delta[25,2]
delta[10,2]
delta[2,1]
delta[10,1]
delta[14,2]
delta[39,1]
delta[20,1]
delta[4,3]
delta[2,2]
delta[41,2]
delta[31,3]
delta[45,2]
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delta[4,1]
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delta[12,2]
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delta[8,3]
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delta[16,2]
delta[27,3]
delta[12,1]
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delta[21,2]
delta[35,1]
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delta[37,2]
delta[37,1]
delta[33,3]
delta[43,1]



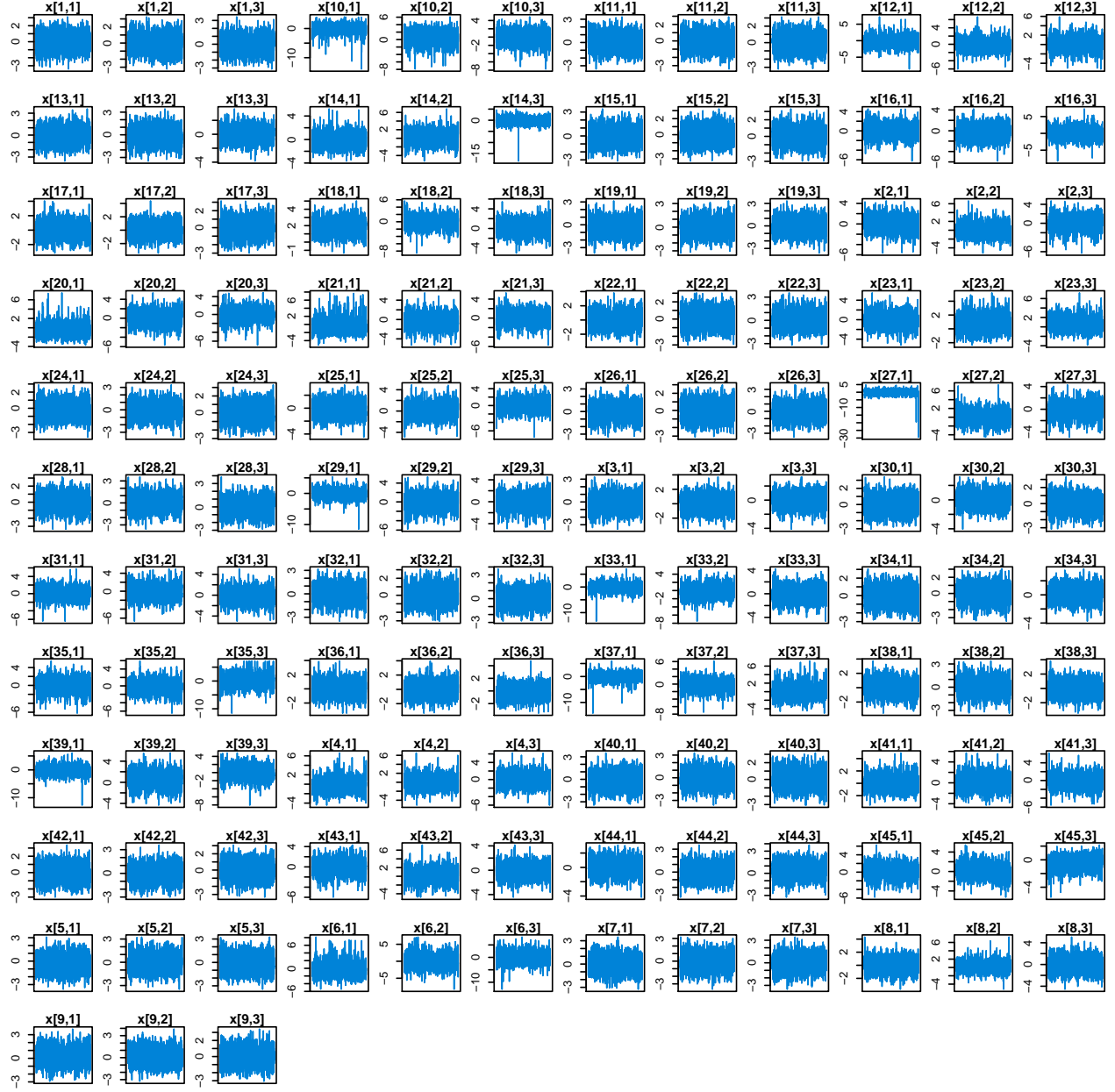
d (pooled treatment effects across trials)

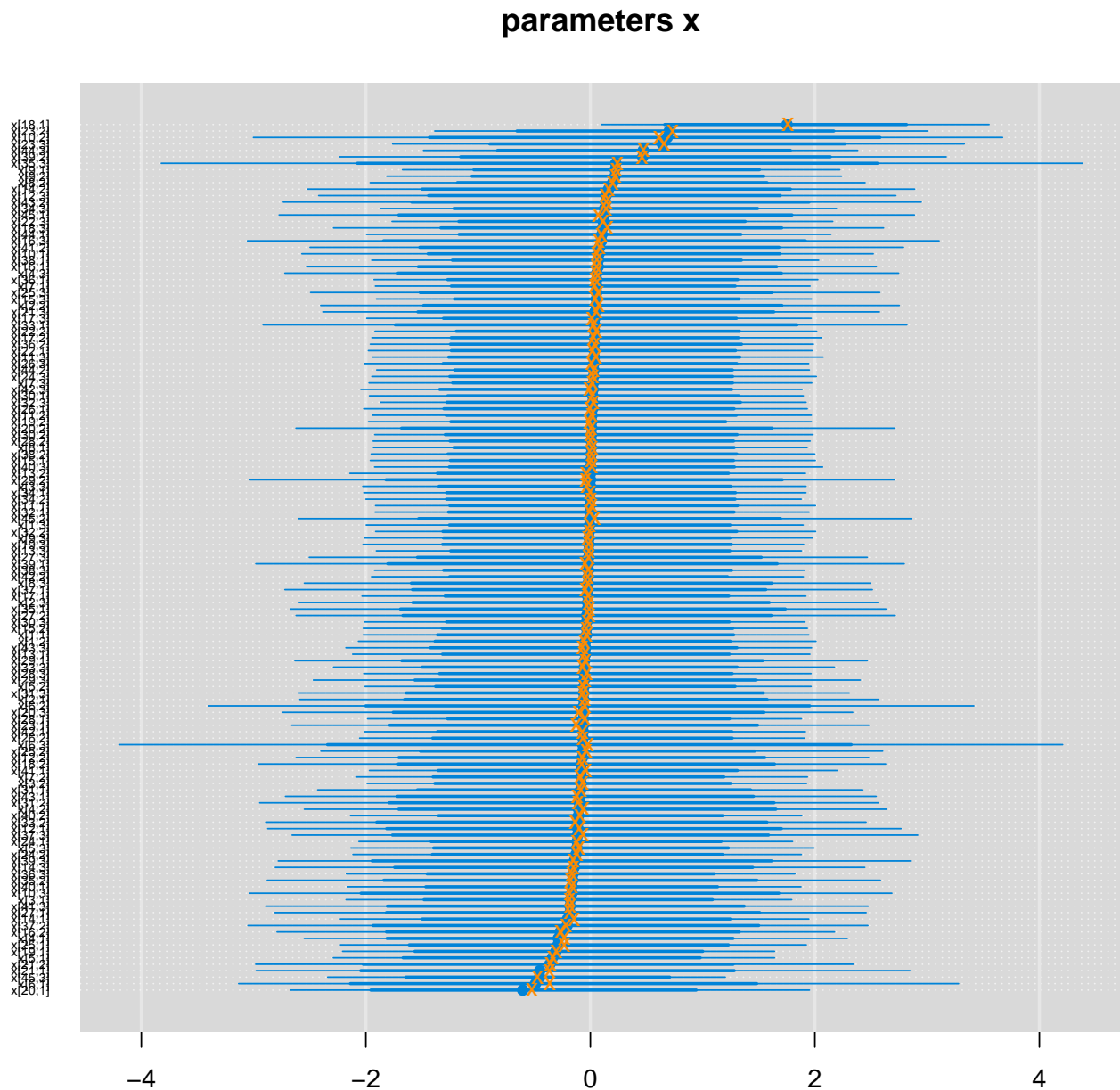


parameters d



x (latent variables)





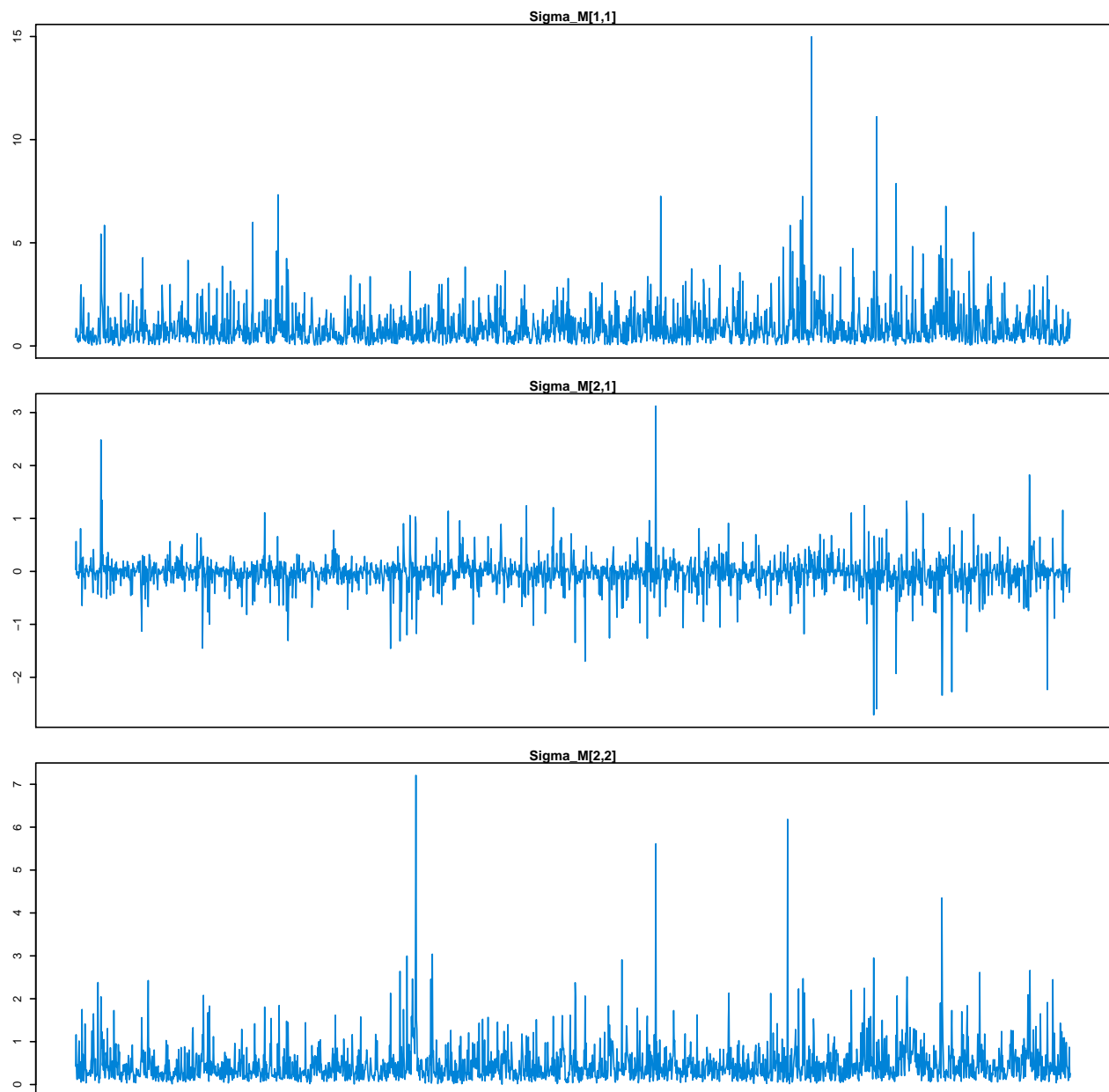
Using *only complete data* for the first two outcomes from Achana et al. (2014)

All the latent variables are estimated, tha is, we do not use the imputation algorithm.

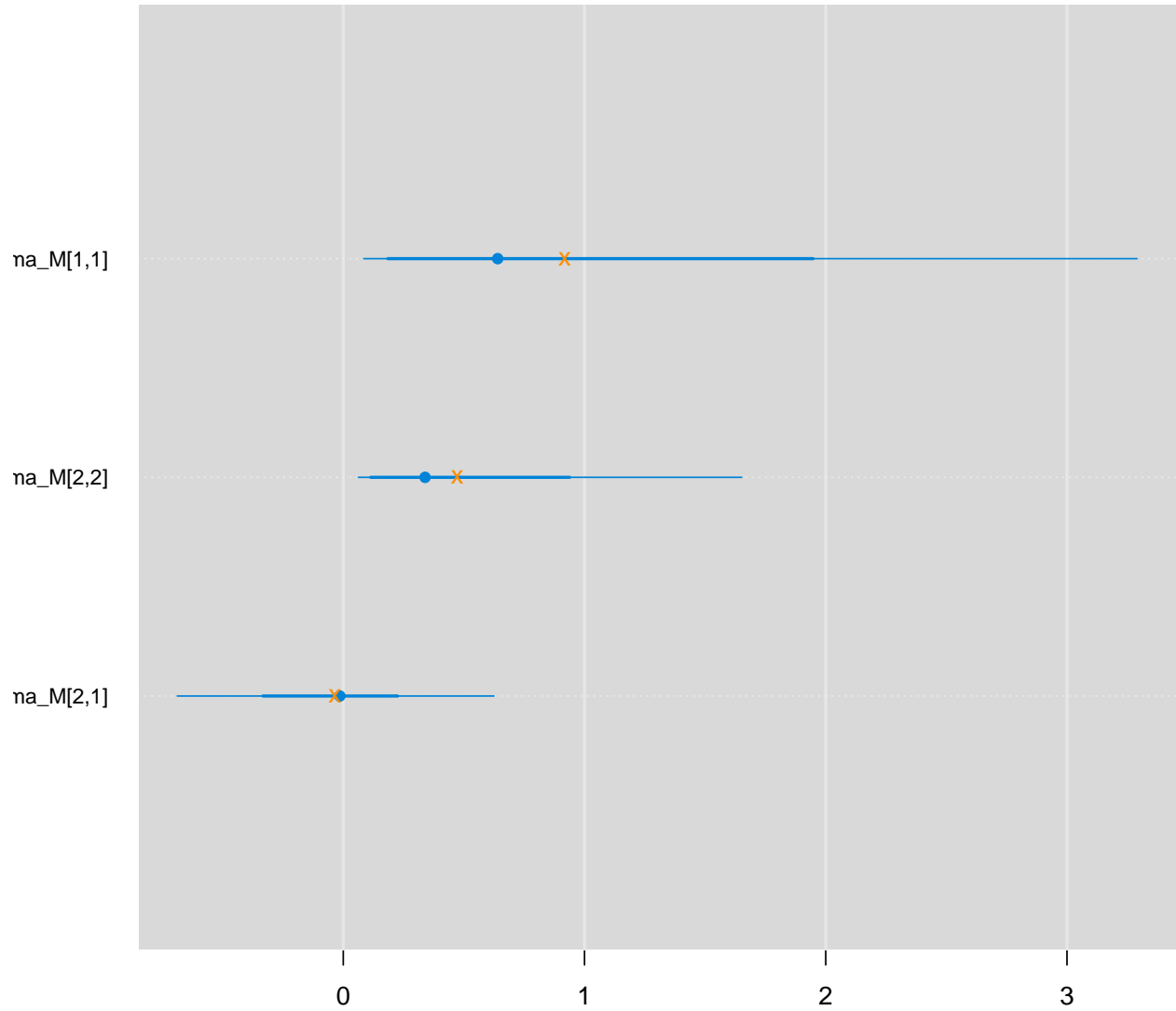
Γ (outcome copula correlation matrix)

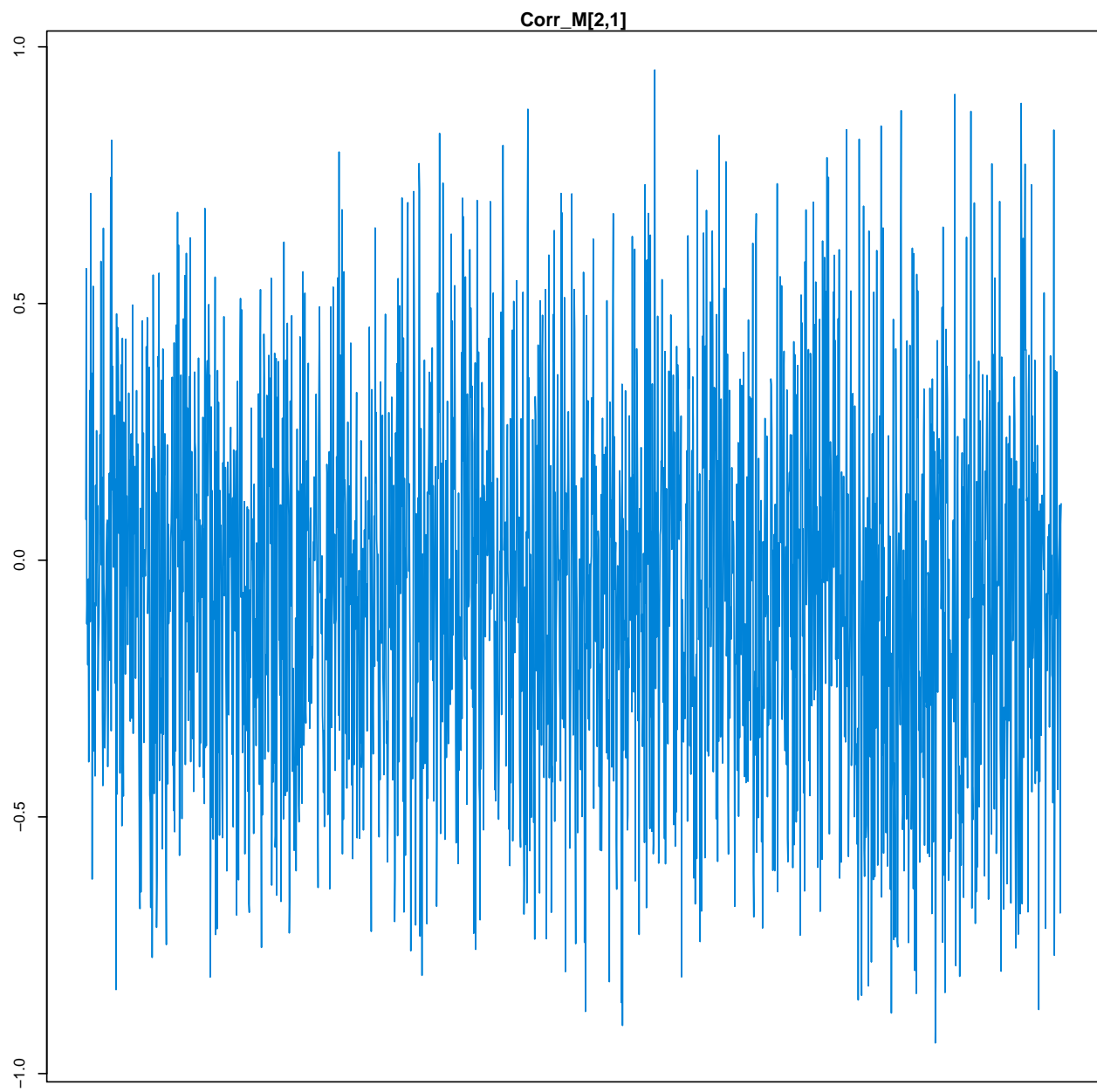
Here, the Γ matrix is not estimated, but it is constrained to be equal to the identity matrix.

Σ_M (common between-study covariance structure)

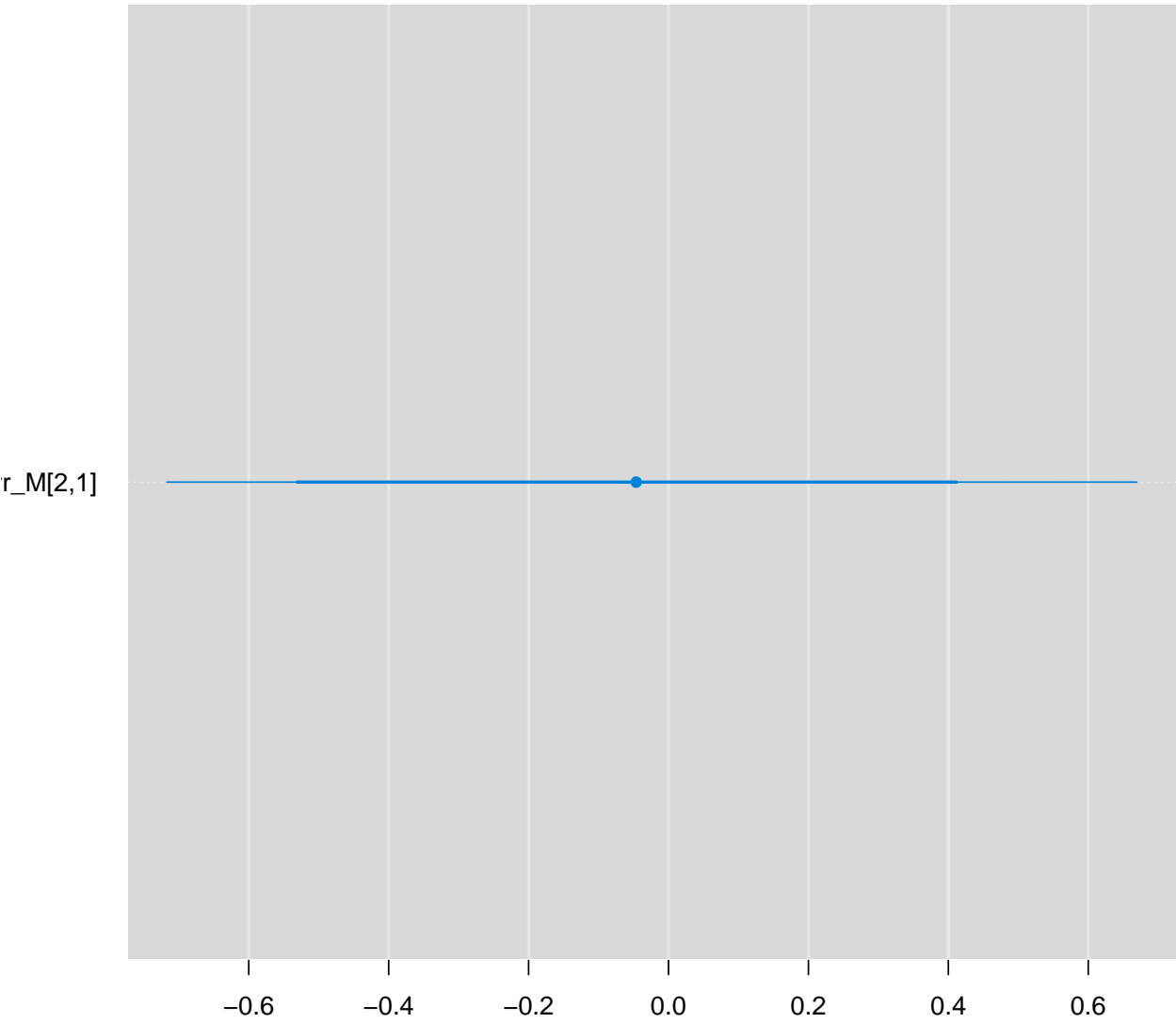


parameters Sigma_M

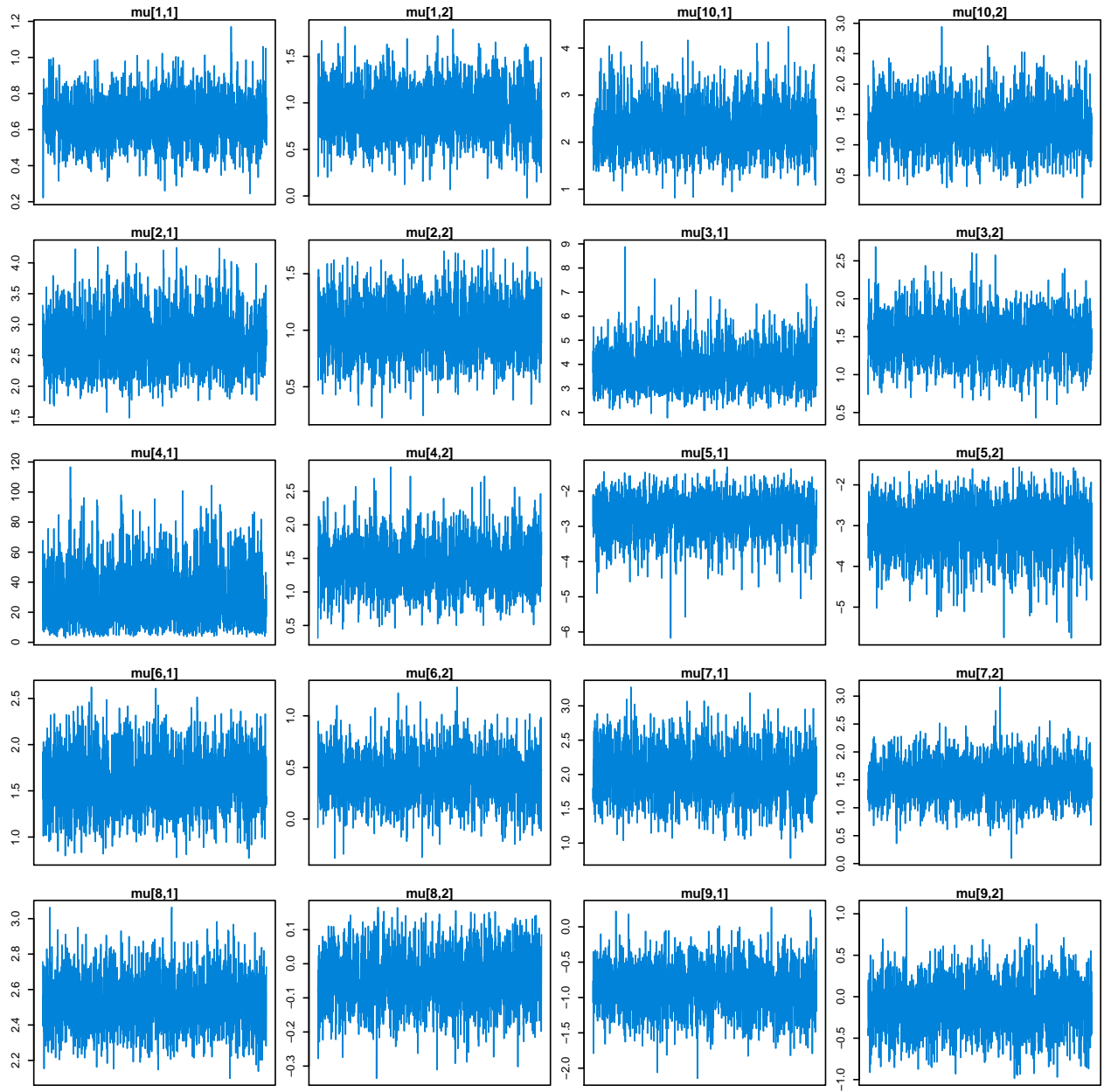




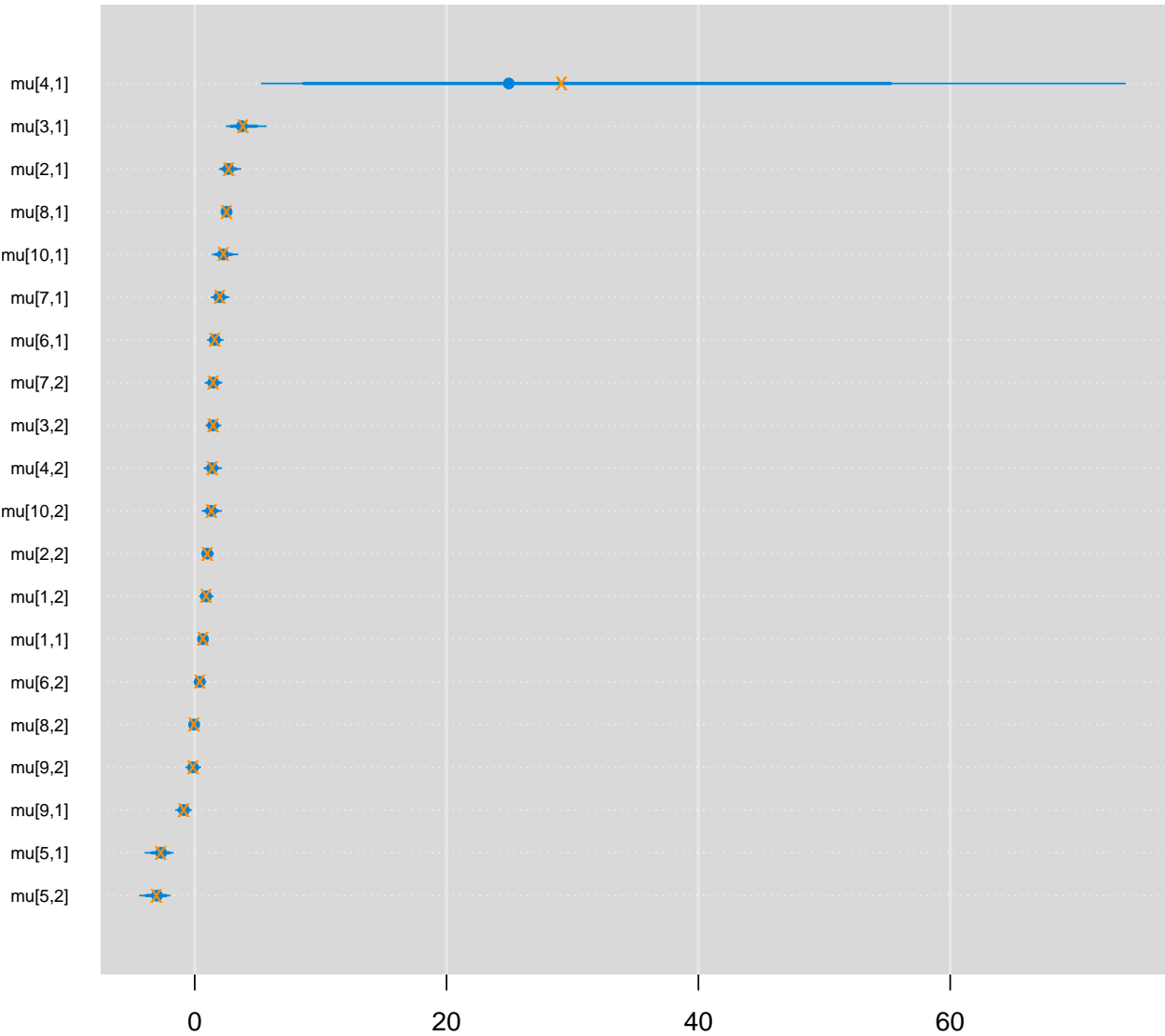
parameters Corr_M



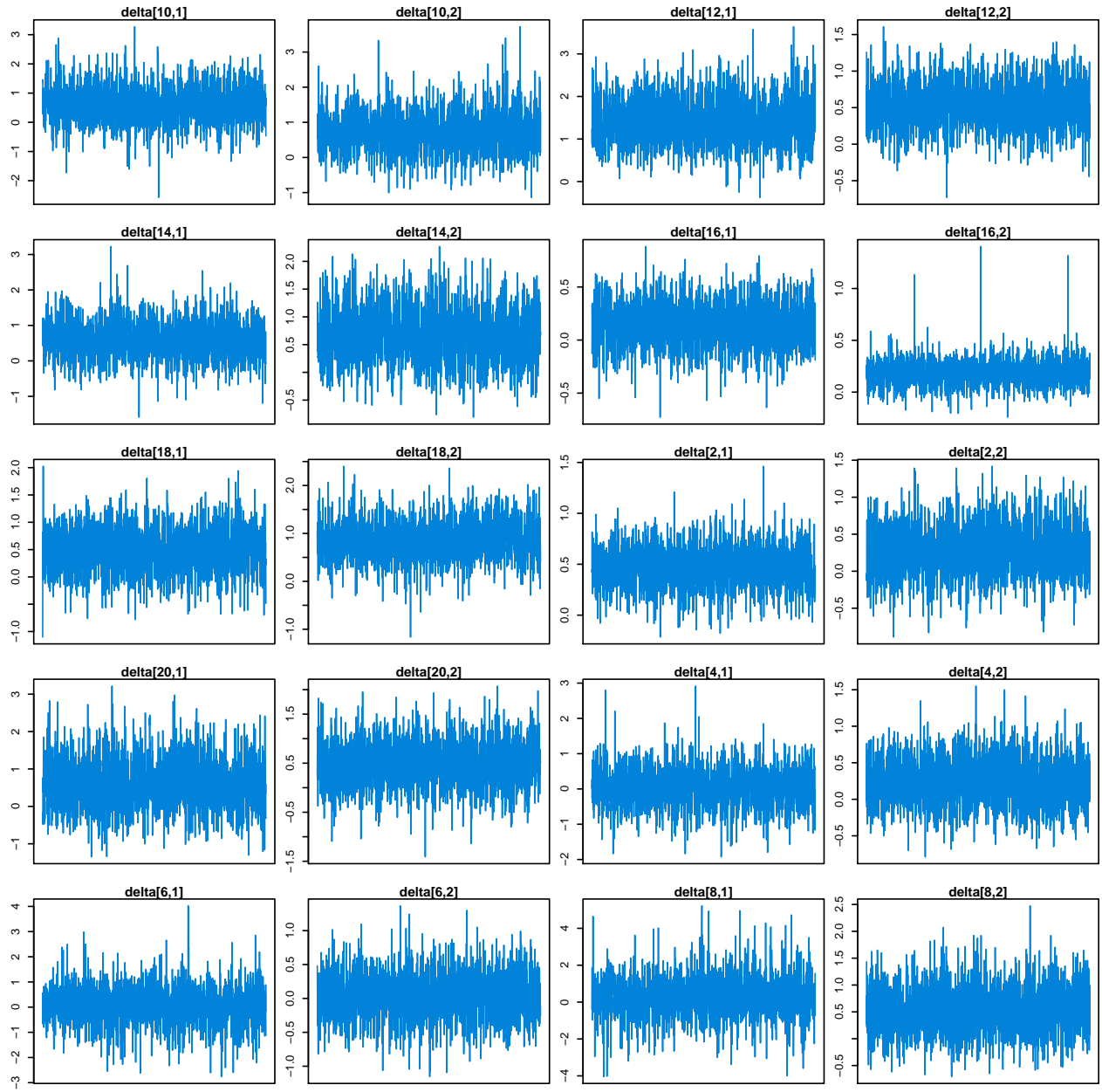
μ (study-specific baseline effects)



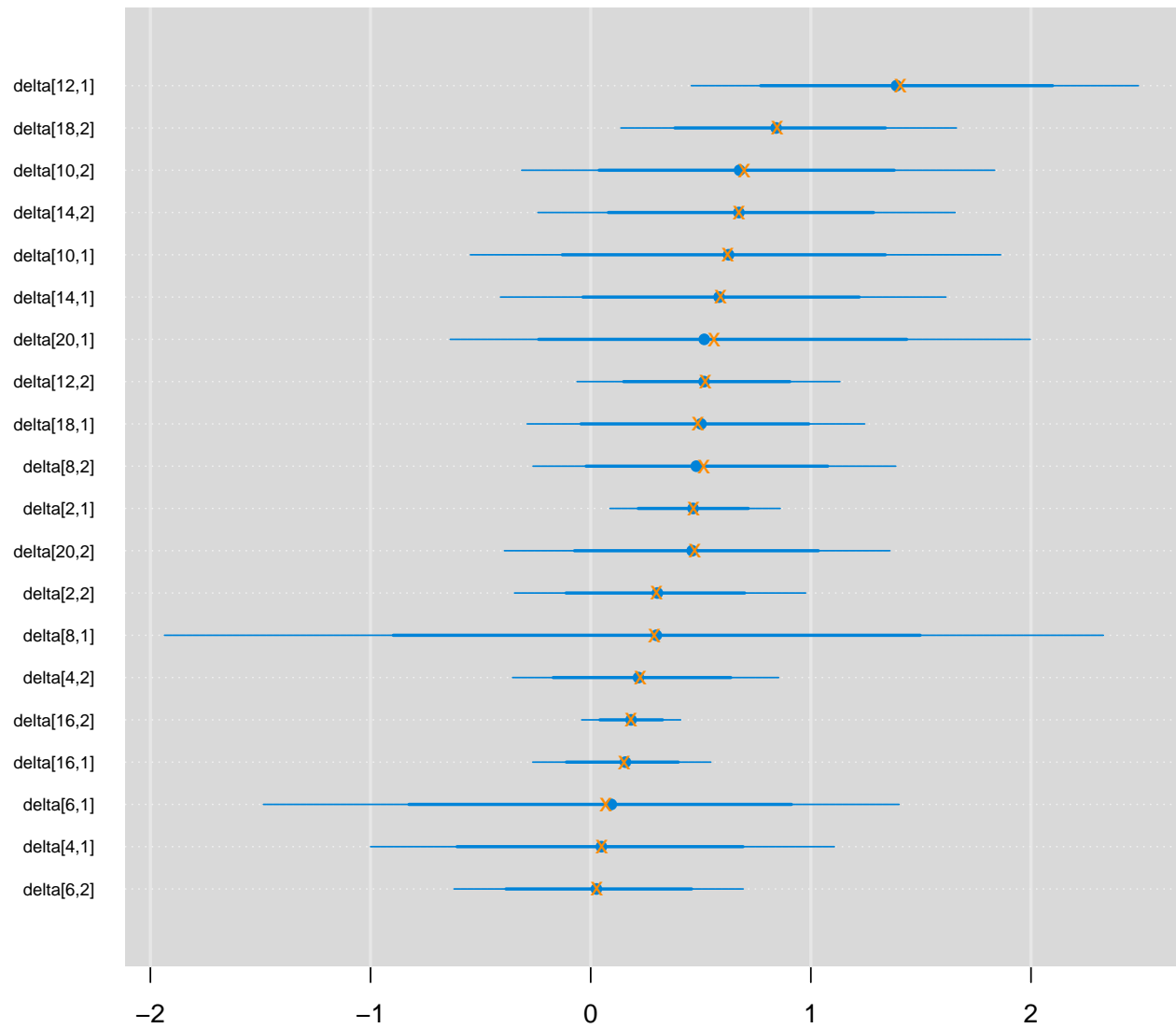
parameters mu



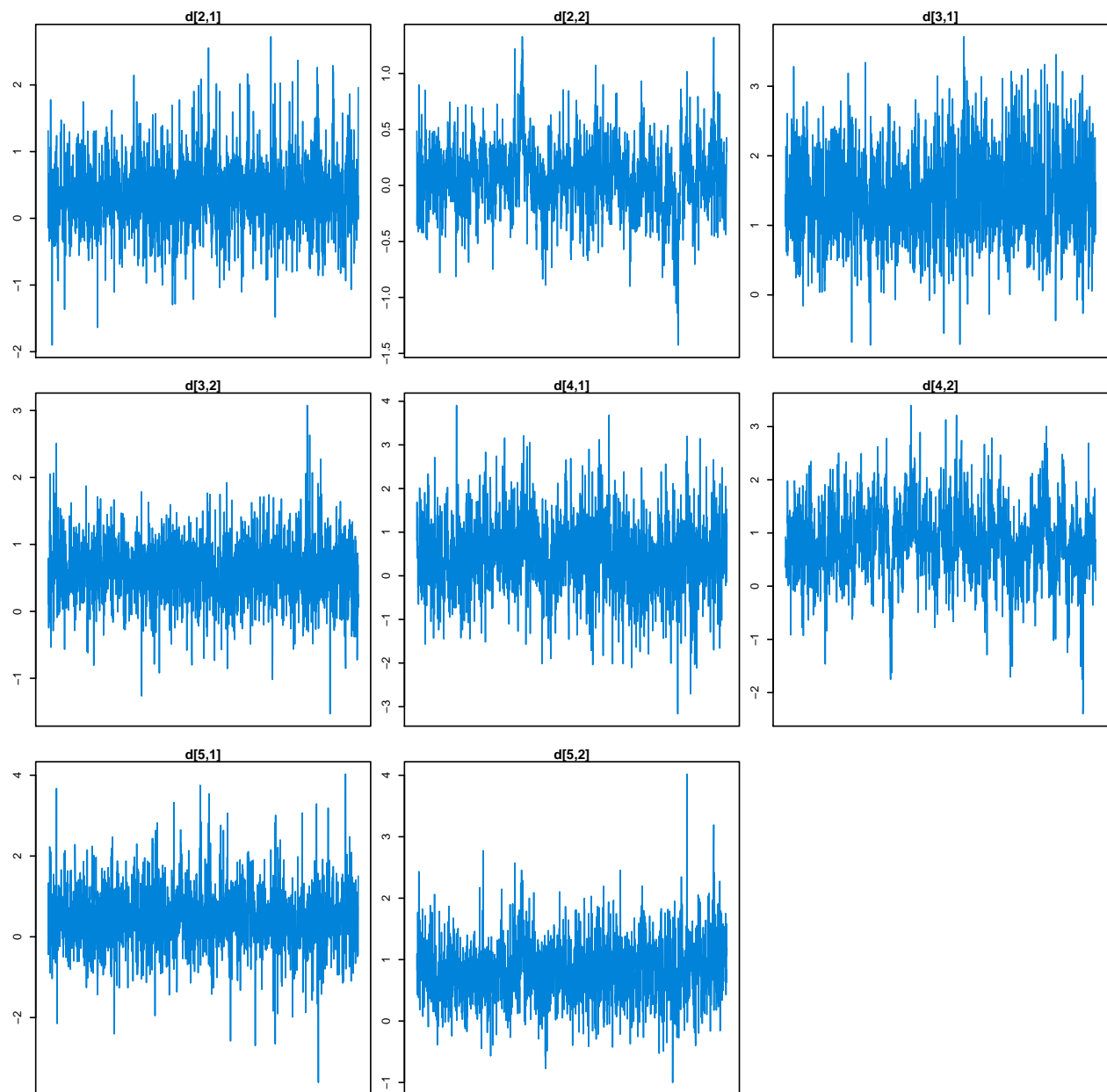
δ (study-specific [random] treatment effects)



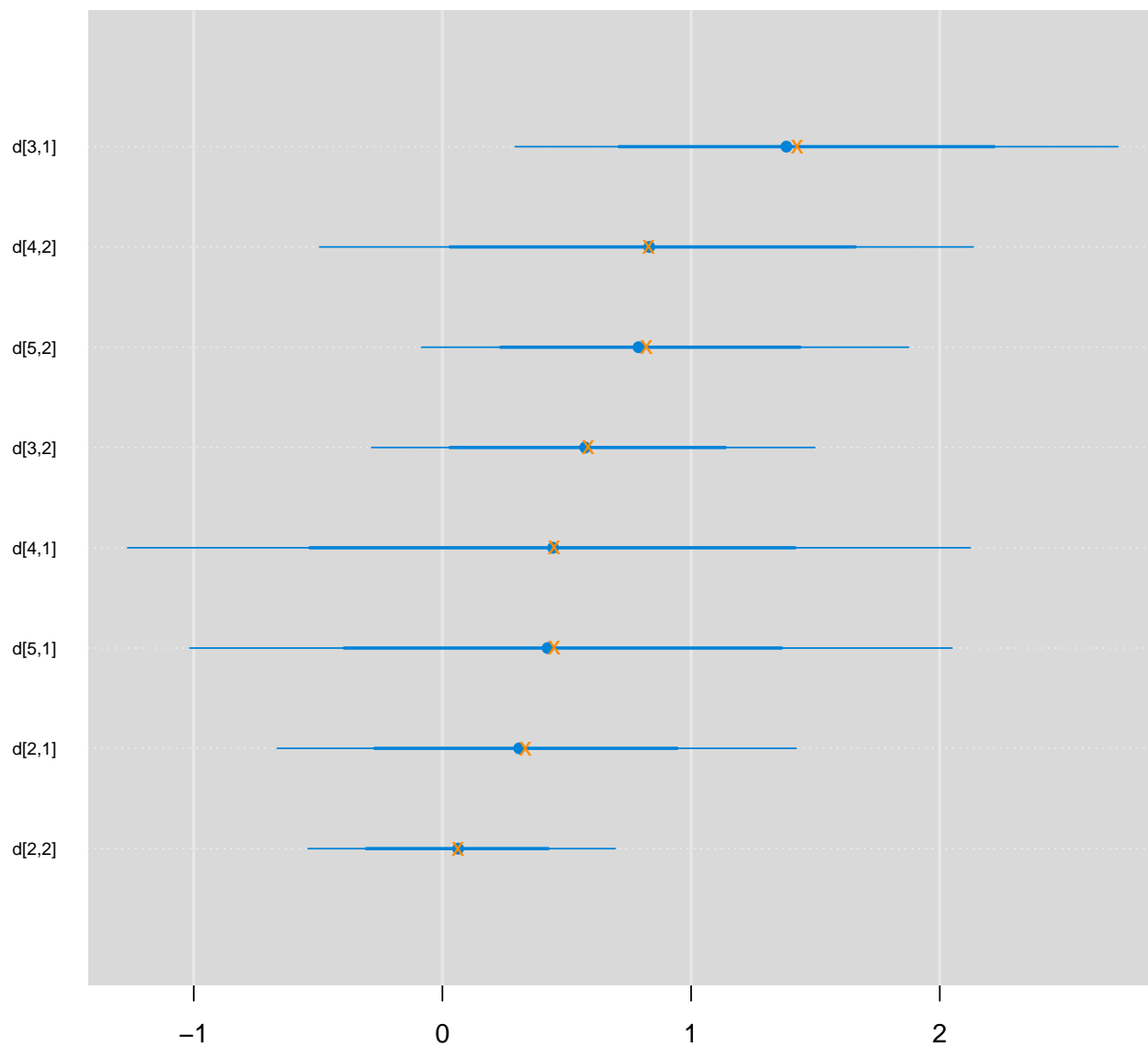
parameters delta

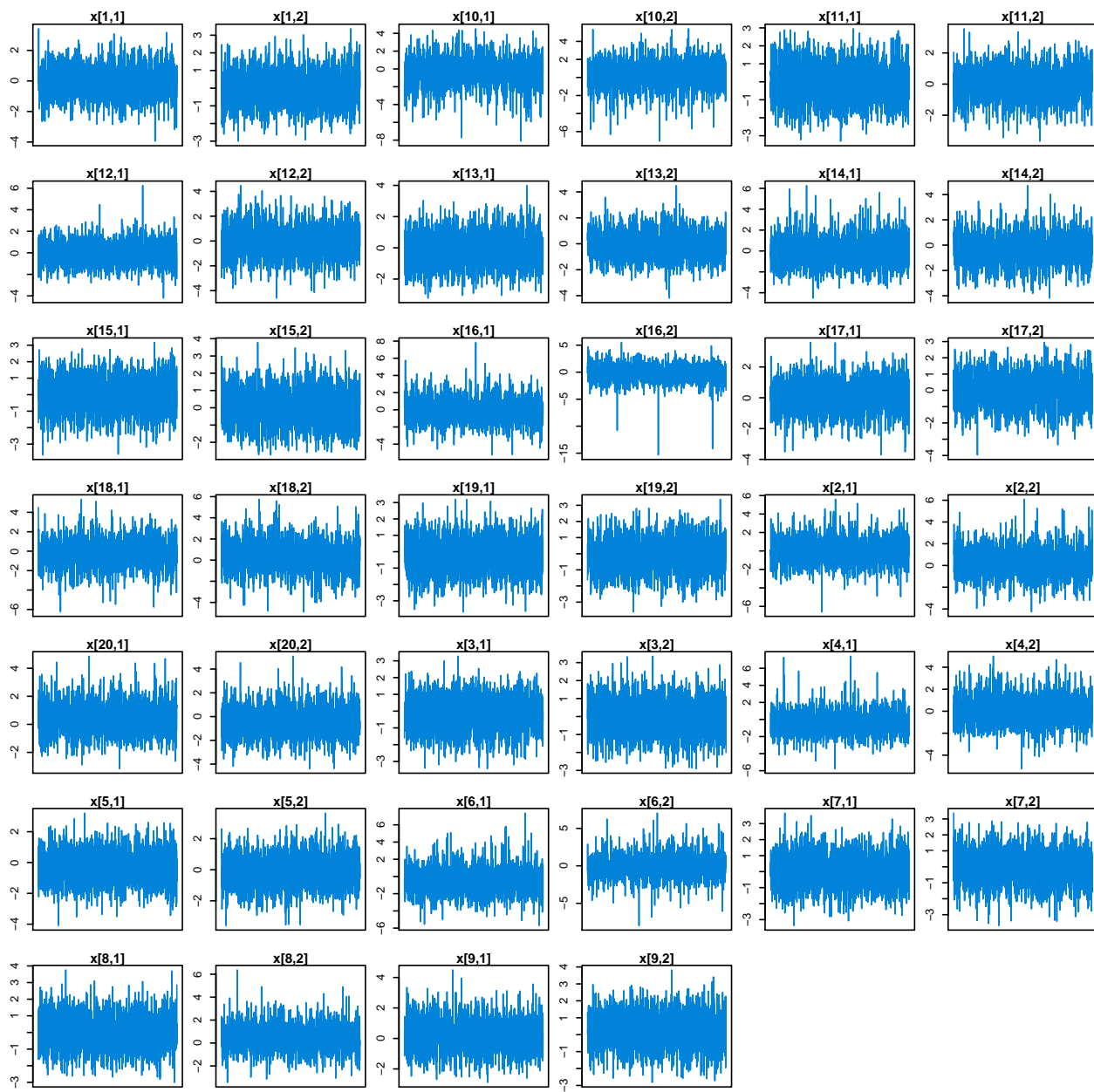


d (pooled treatment effects across trials)



parameters d



x (latent variables)

parameters x

