netcopula package

Report at 2016-04-20'

Sergio Venturini

Γ fixed – μ and δ unconstrained

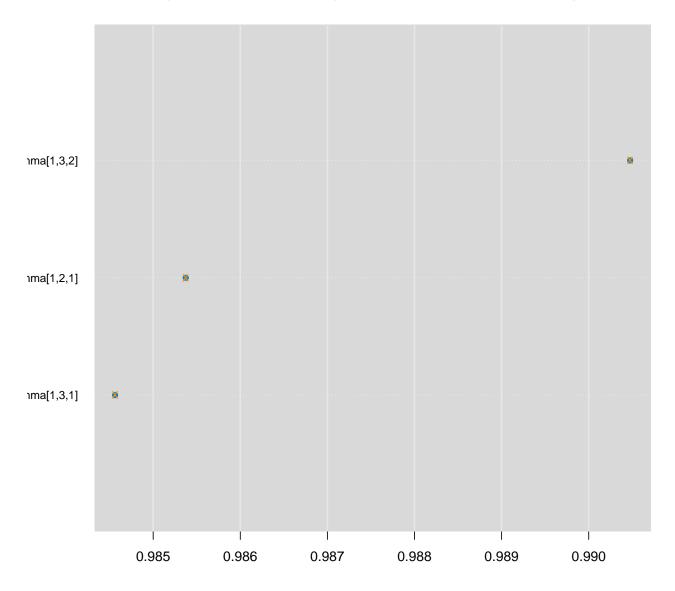
In this section we fix the Γ parameters to their sample estimates, that is

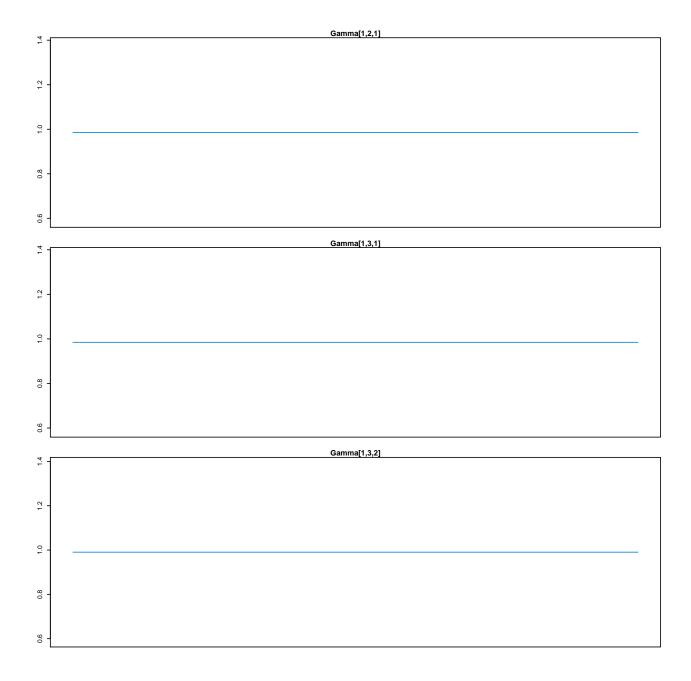
```
## y1 y2 y3
## y1 1.0000000 0.9853737 0.9845625
## y2 0.9853737 1.0000000 0.9904754
## y3 0.9845625 0.9904754 1.0000000
```

and leave the μ and δ parameters unconstrained (i.e. at each iteration we do not impose the restriction that μ_{ikm} is fixed for all the arms of the same study and that δ_{ikm} is 0 for all arms different from the baseline).

Γ (outcome copula correlation matrix)

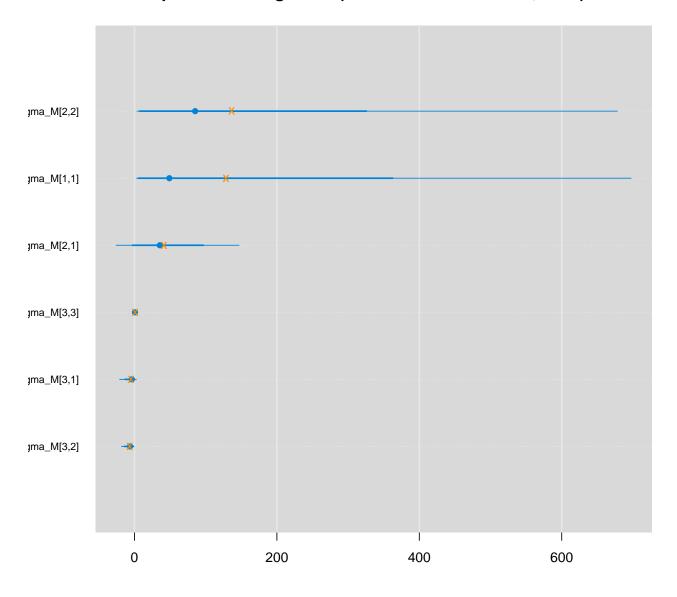
parameters Gamma (data from Achana et al., 2014)

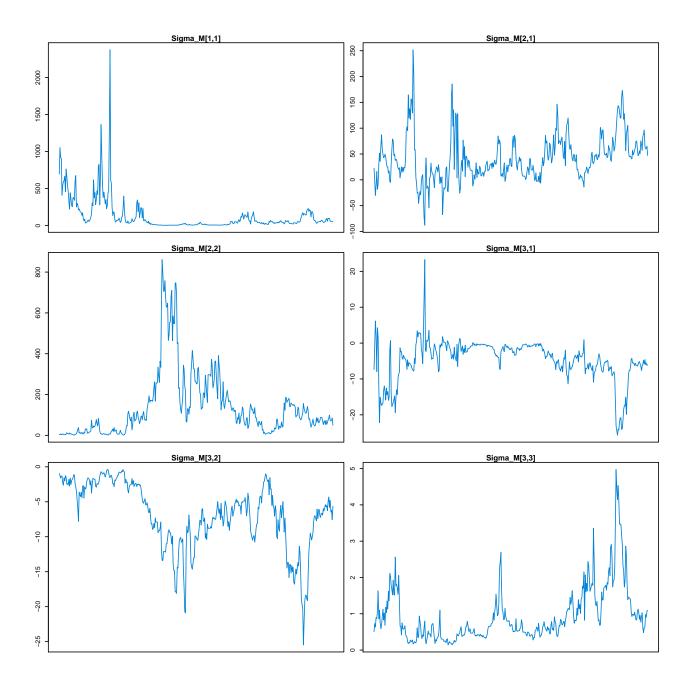




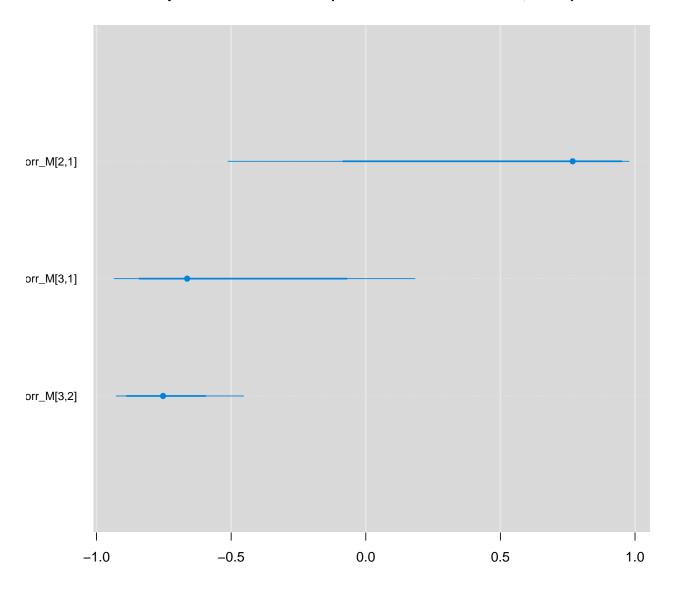
Σ_M (common between-study covariance structure)

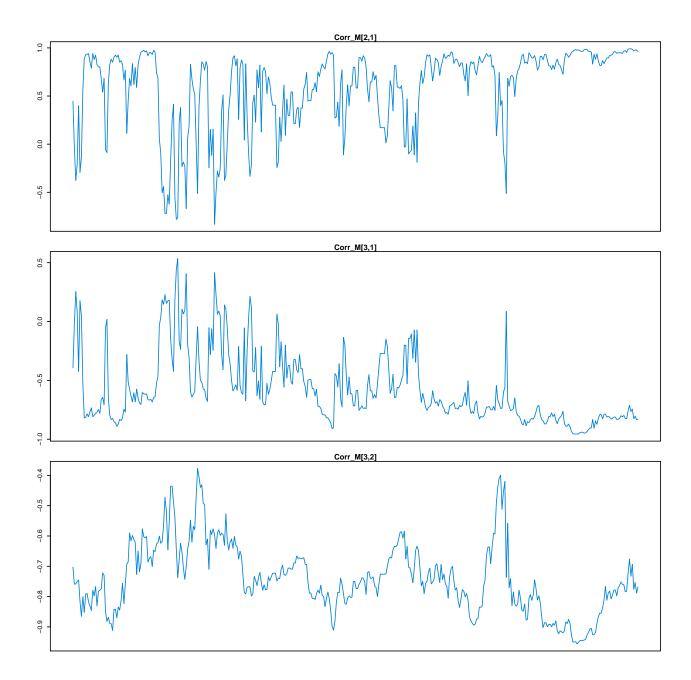
parameters Sigma_M (data from Achana et al., 2014)



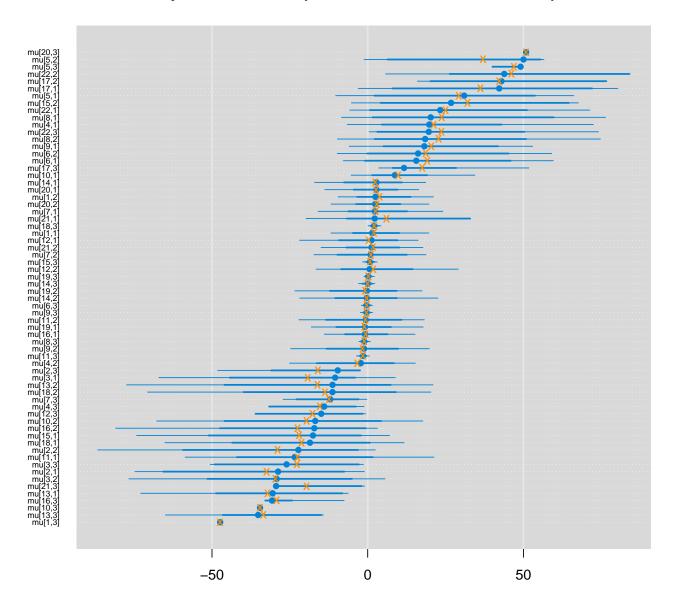


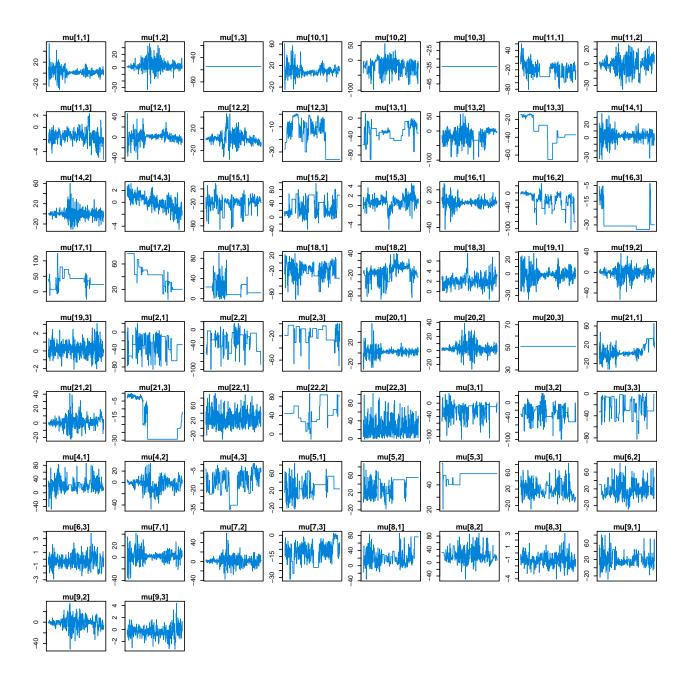
parameters Corr_M (data from Achana et al., 2014)





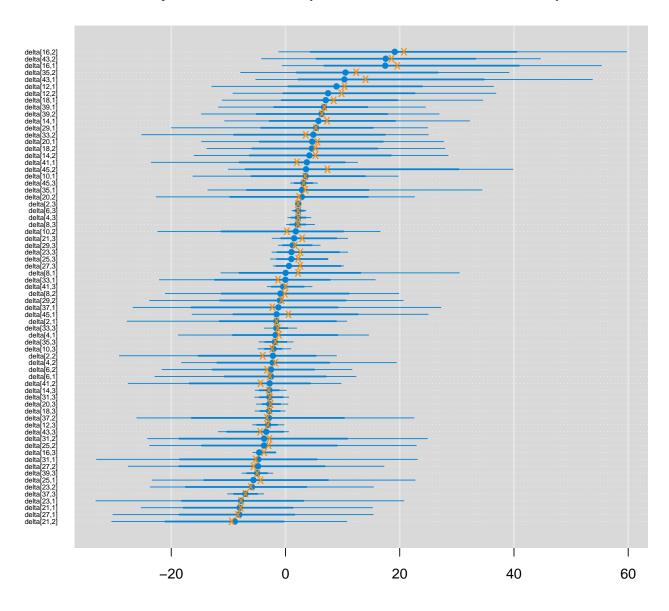
parameters mu (data from Achana et al., 2014)

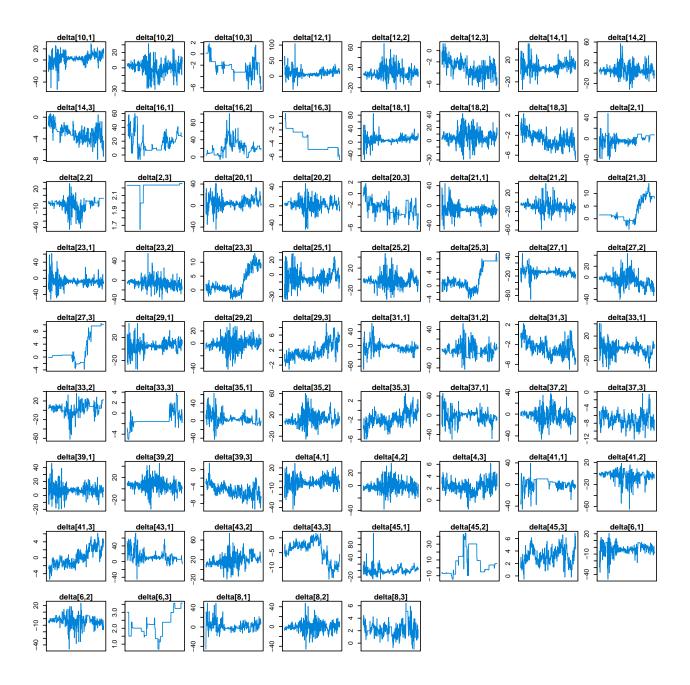




δ (study-specific [random] treatment effects)

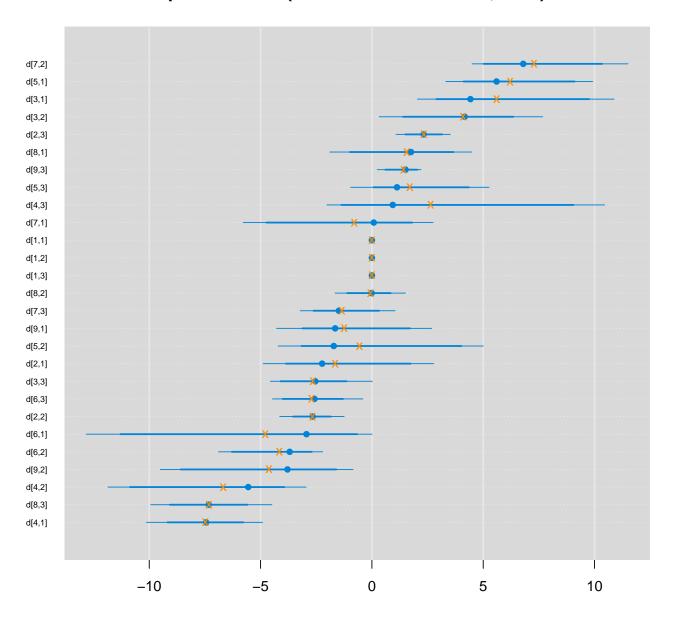
parameters delta (data from Achana et al., 2014)

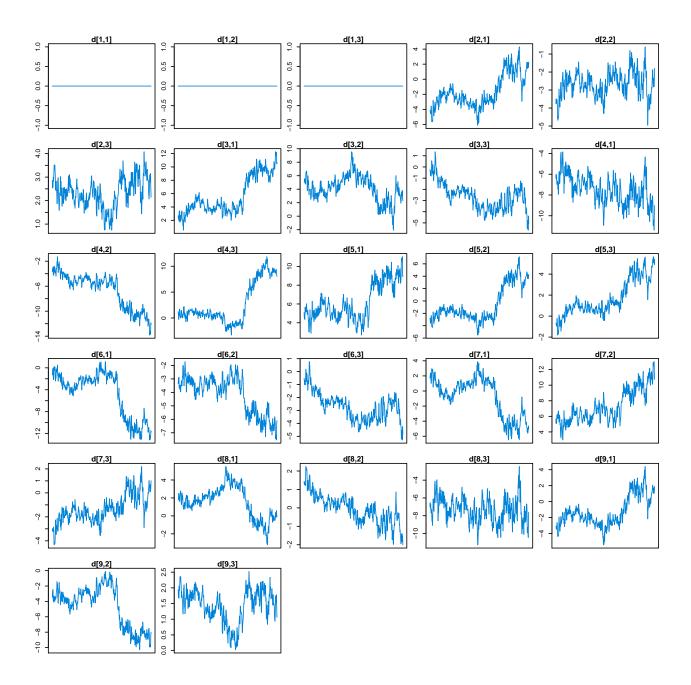




d (pooled treatment effects across trials)

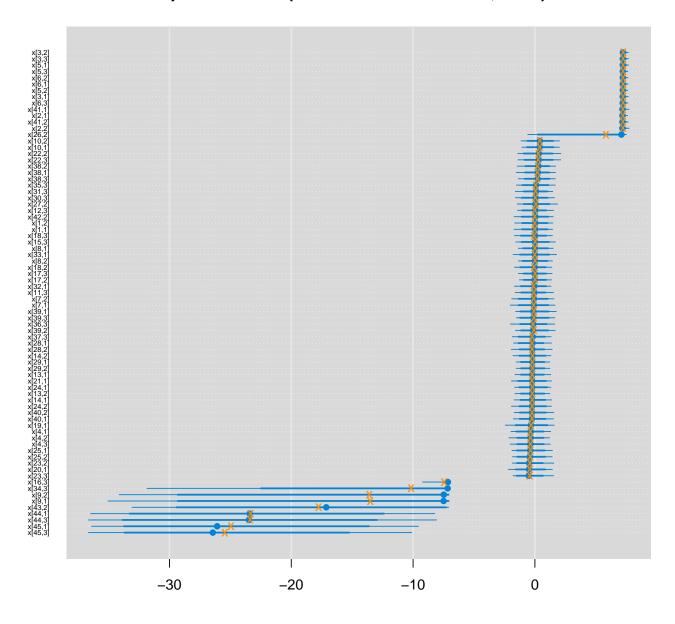
parameters d (data from Achana et al., 2014)

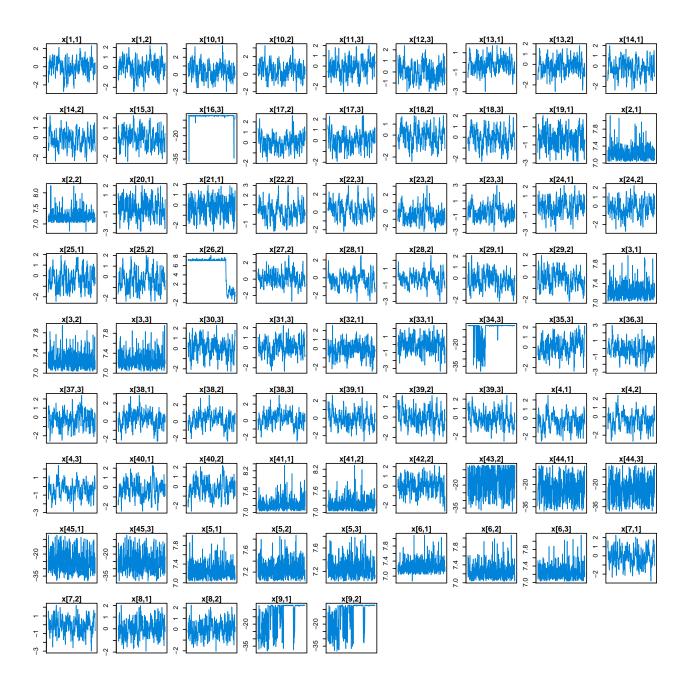




x (latent variables)

parameters x (data from Achana et al., 2014)

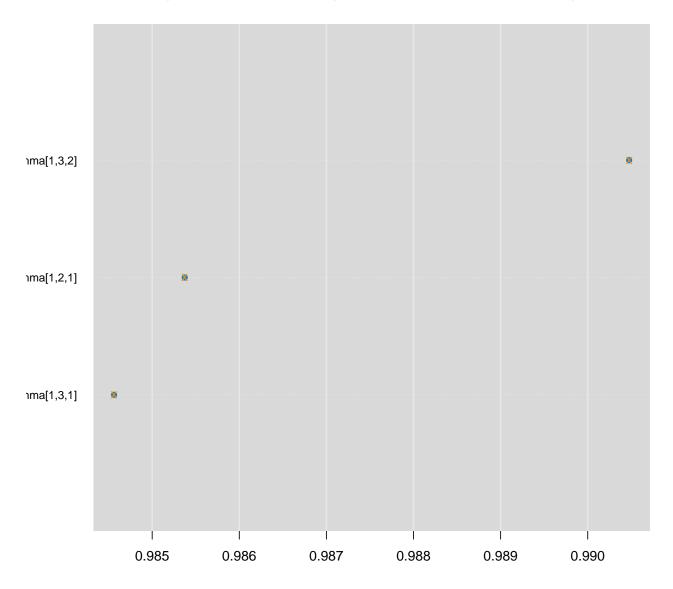


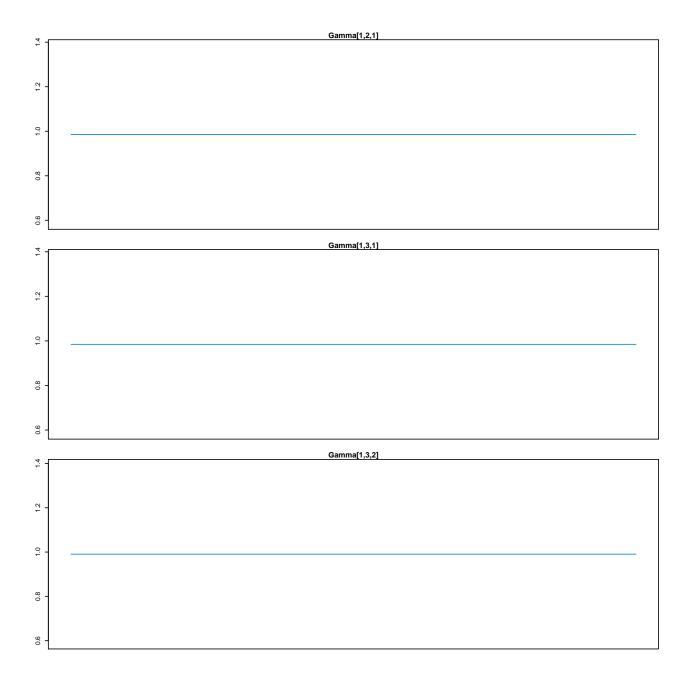


Γ fixed – μ and δ constrained

 Γ (outcome copula correlation matrix)

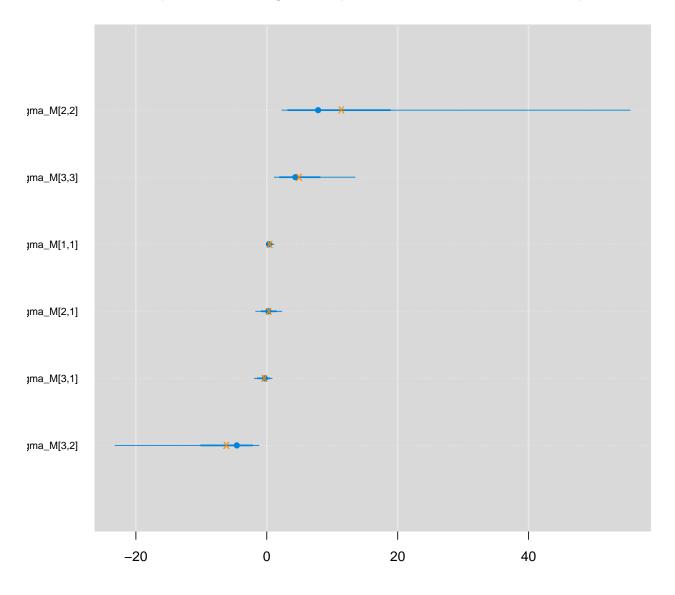
parameters Gamma (data from Achana et al., 2014)

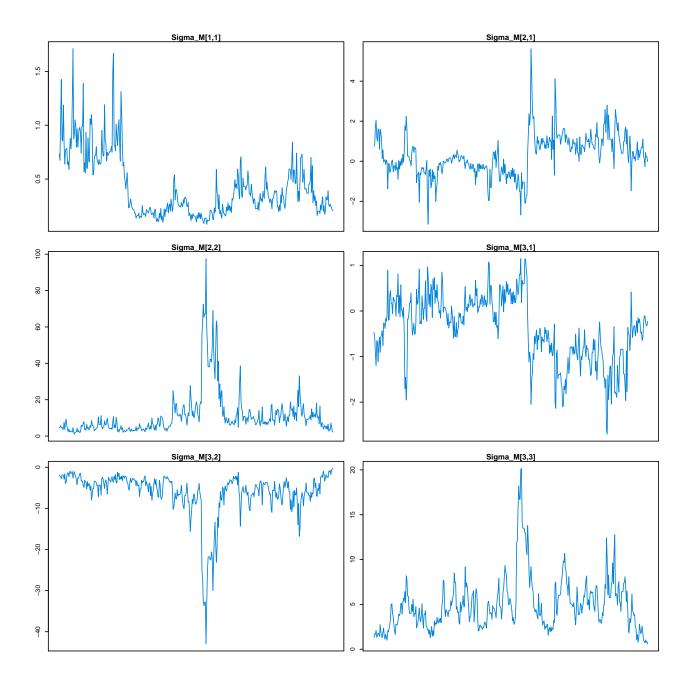




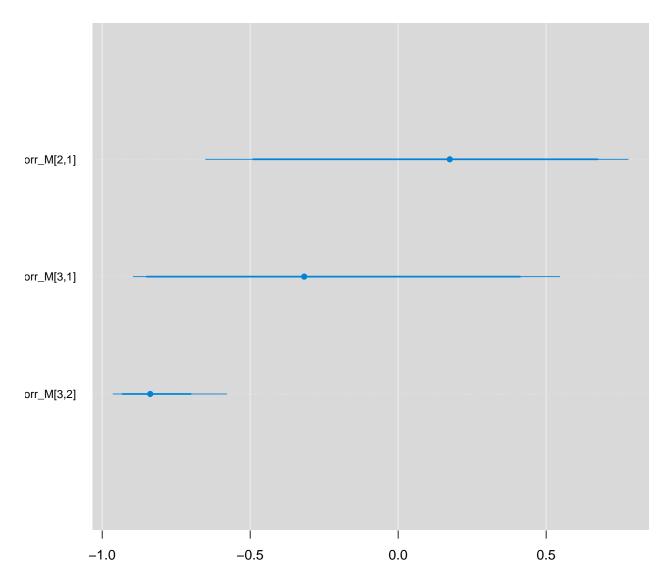
Σ_M (common between-study covariance structure)

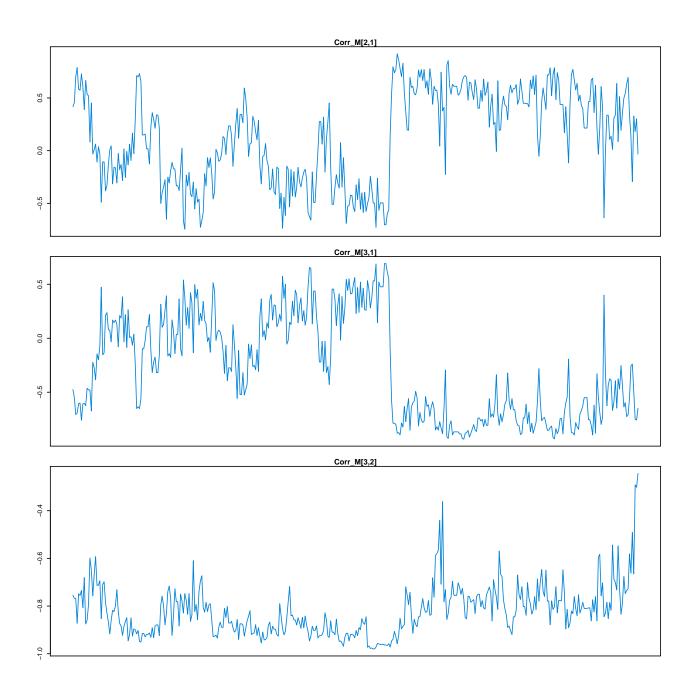
parameters Sigma_M (data from Achana et al., 2014)



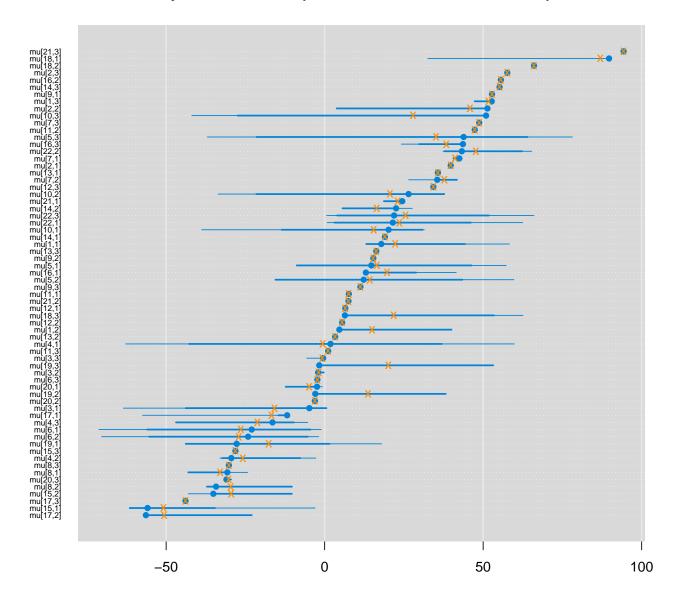


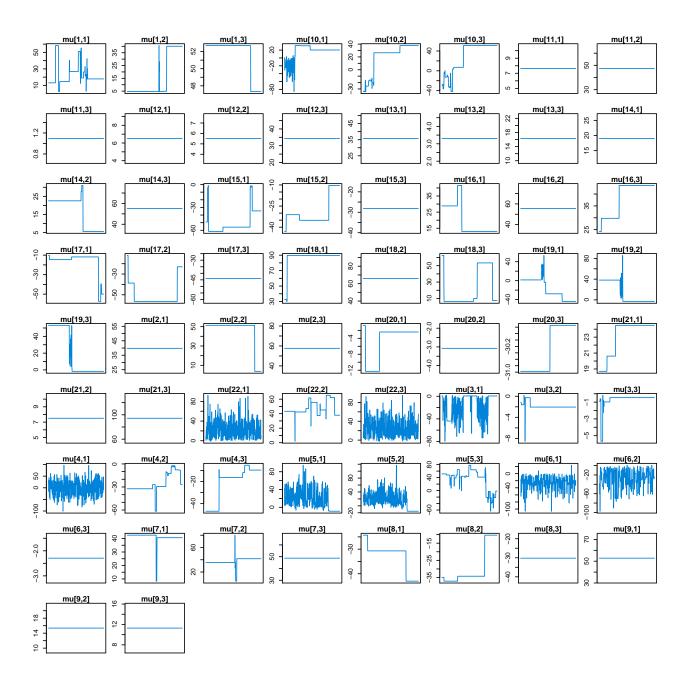
parameters Corr_M (data from Achana et al., 2014)





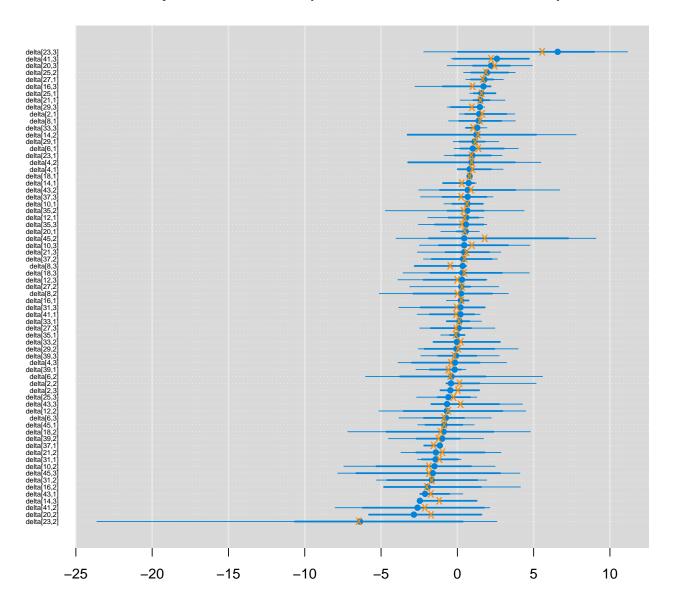
parameters mu (data from Achana et al., 2014)

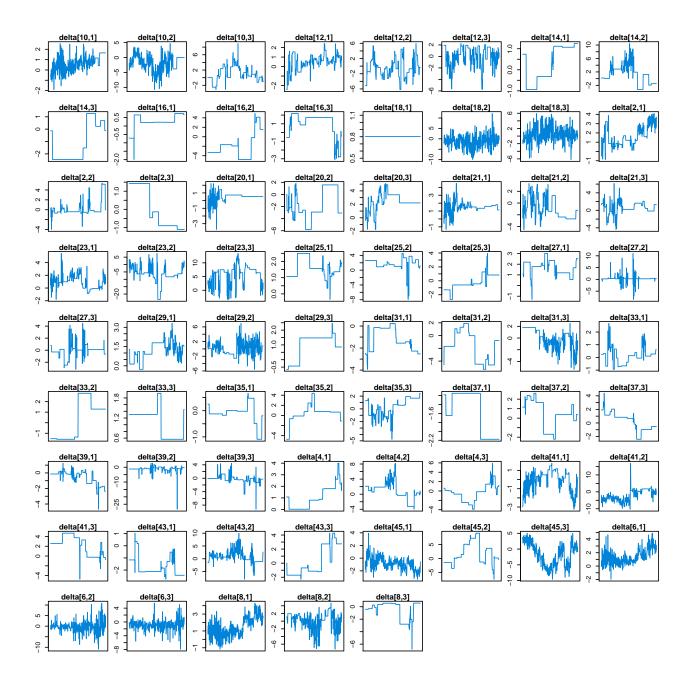




δ (study-specific [random] treatment effects)

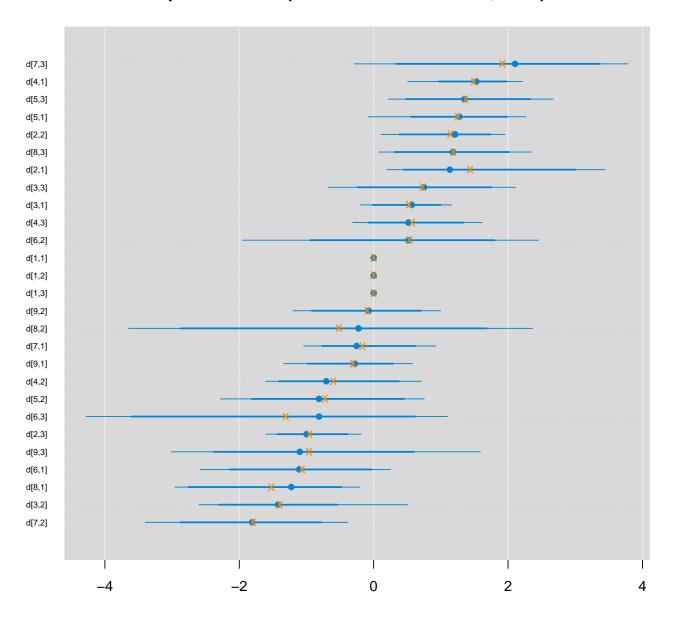
parameters delta (data from Achana et al., 2014)

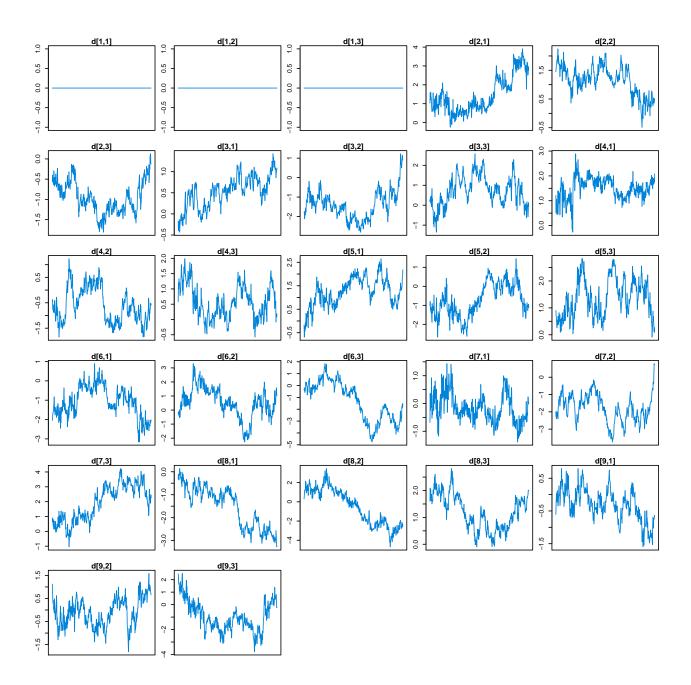




d (pooled treatment effects across trials)

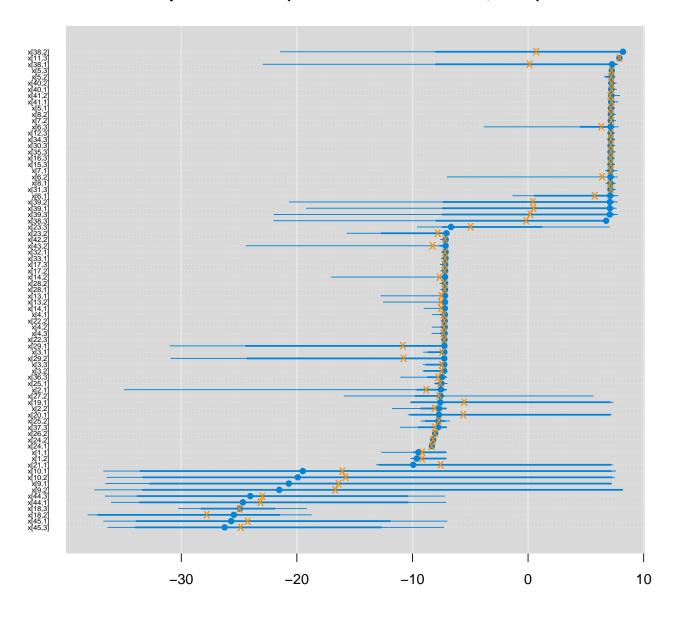
parameters d (data from Achana et al., 2014)

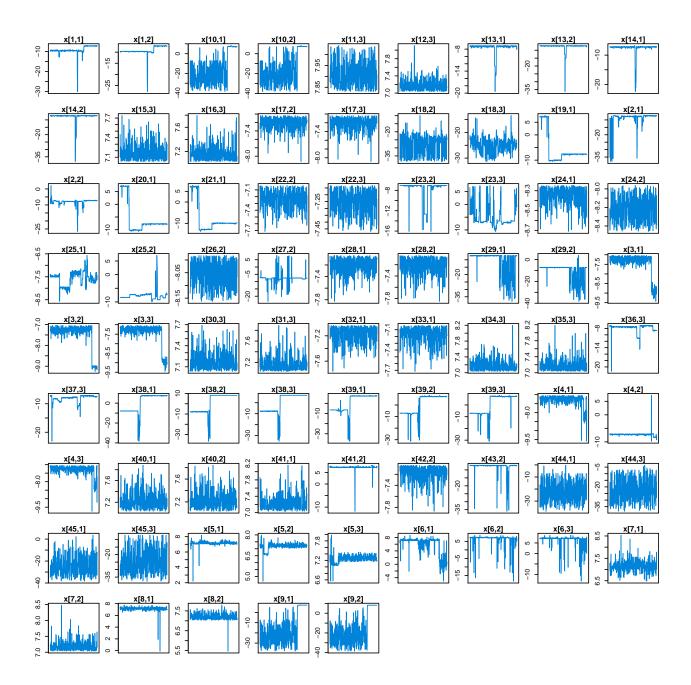




x (latent variables)

parameters x (data from Achana et al., 2014)

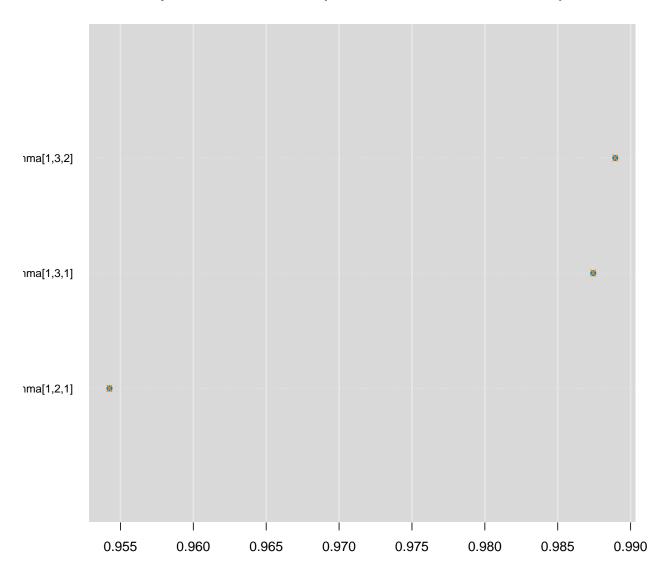


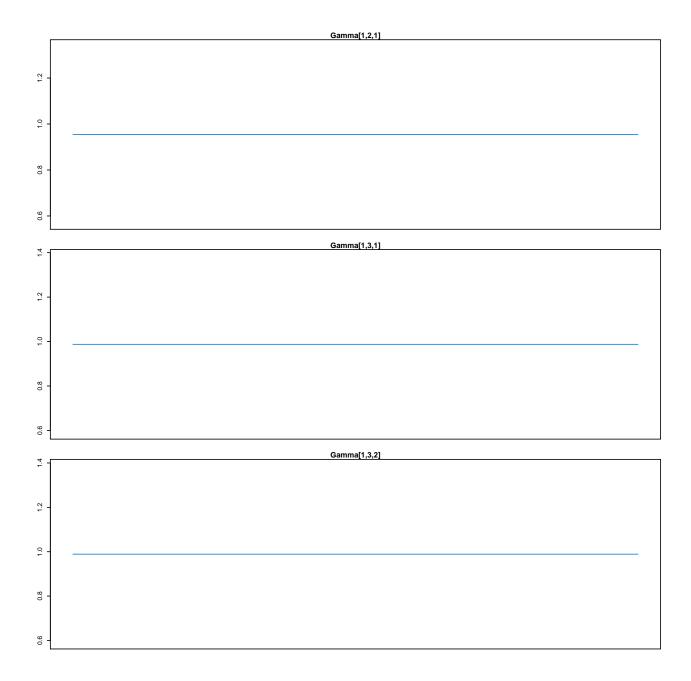


Γ estimated – μ and δ unconstrained

 Γ (outcome copula correlation matrix)

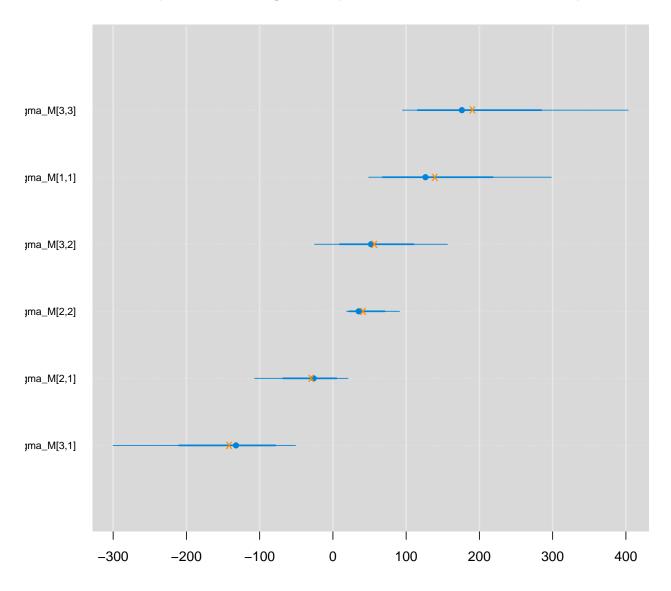
parameters Gamma (data from Achana et al., 2014)

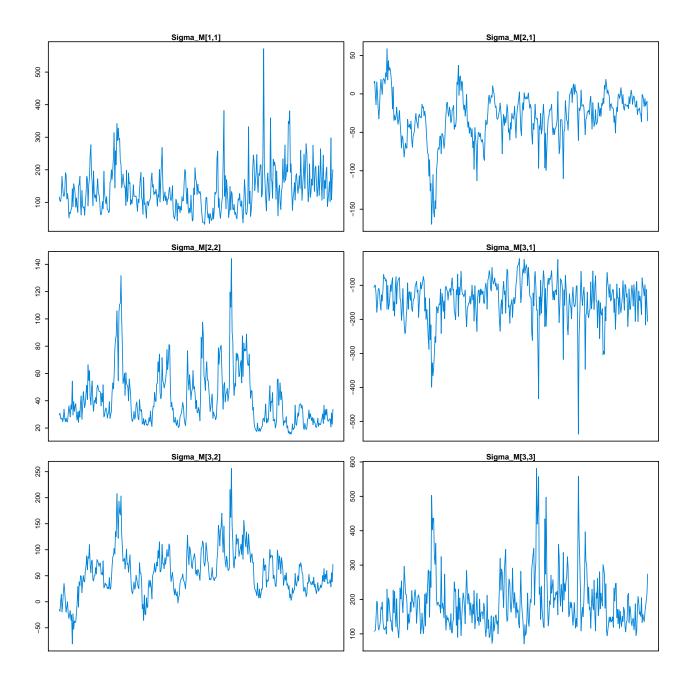




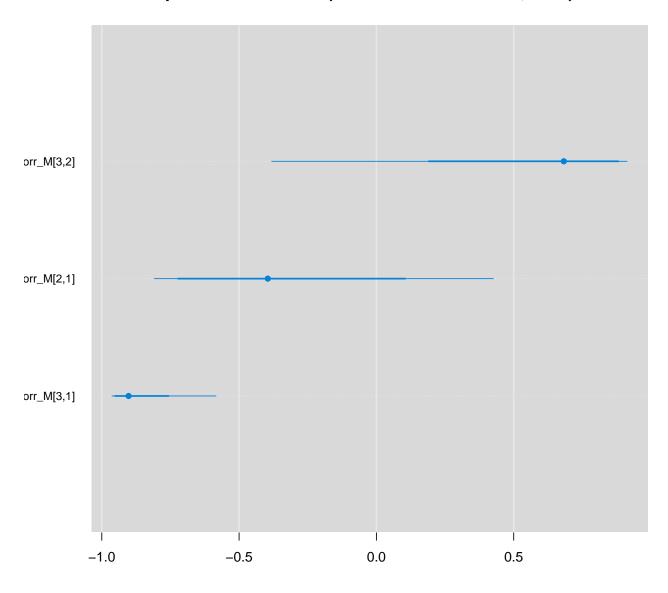
Σ_M (common between-study covariance structure)

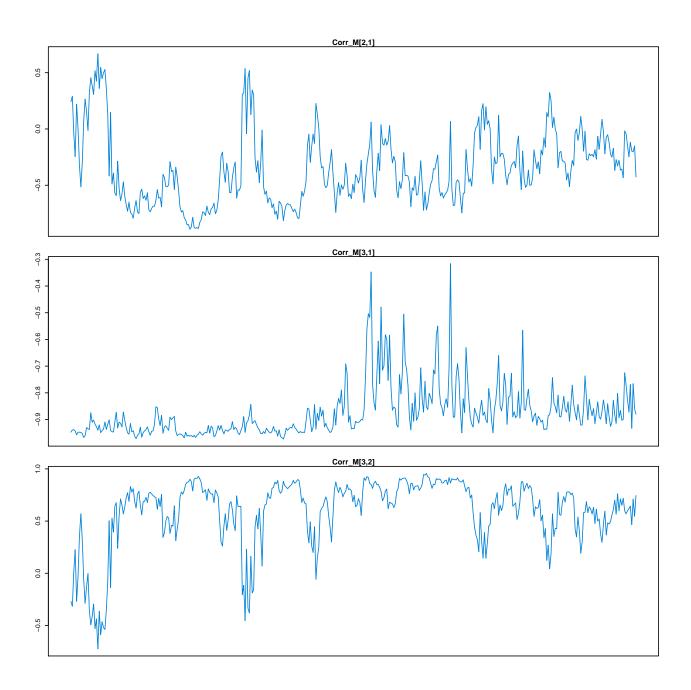
parameters Sigma_M (data from Achana et al., 2014)





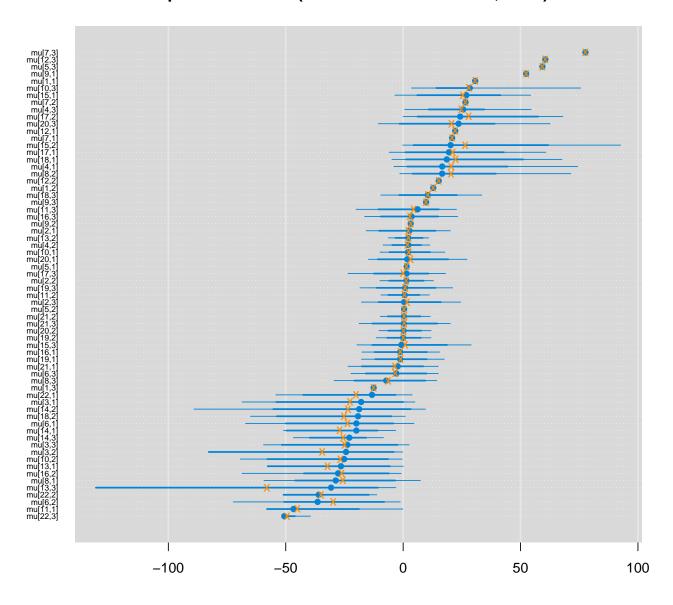
parameters Corr_M (data from Achana et al., 2014)

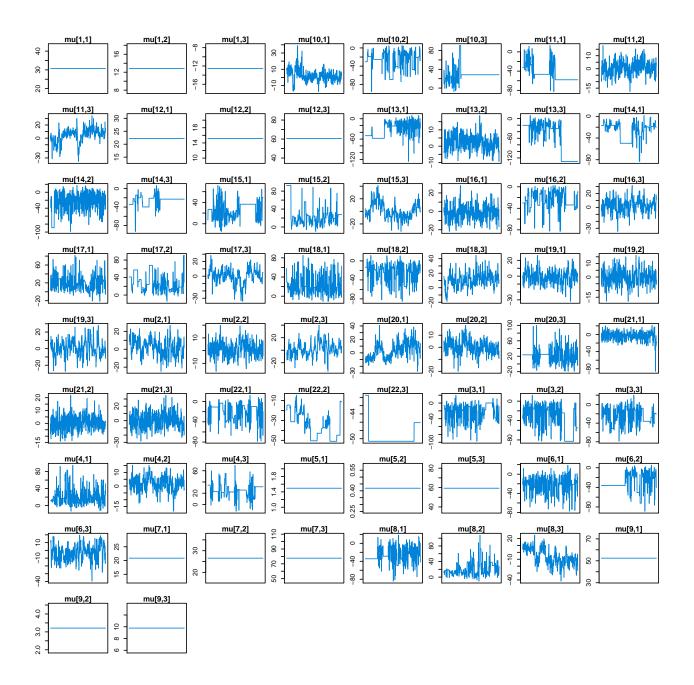




μ (study-specific baseline effects)

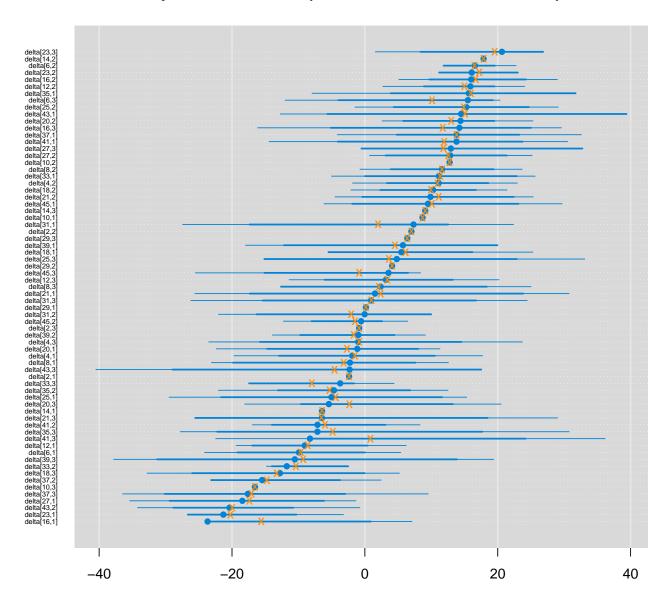
parameters mu (data from Achana et al., 2014)

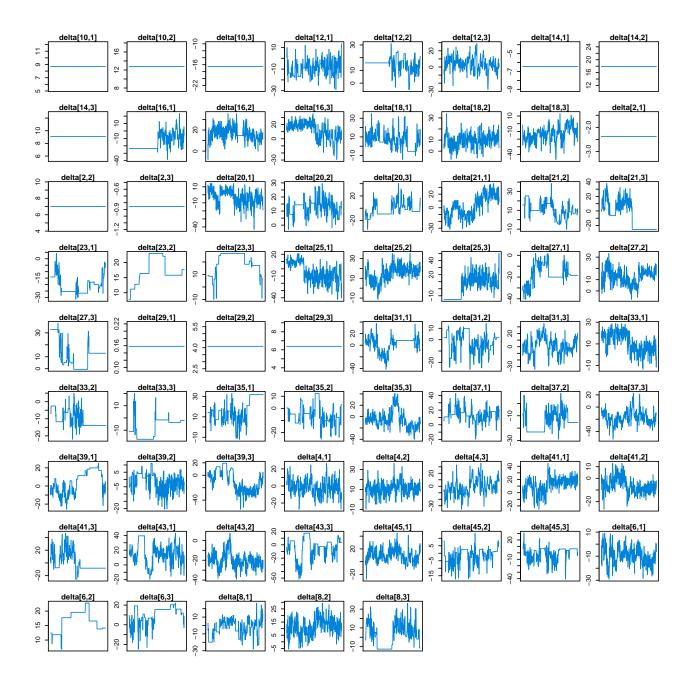




δ (study-specific [random] treatment effects)

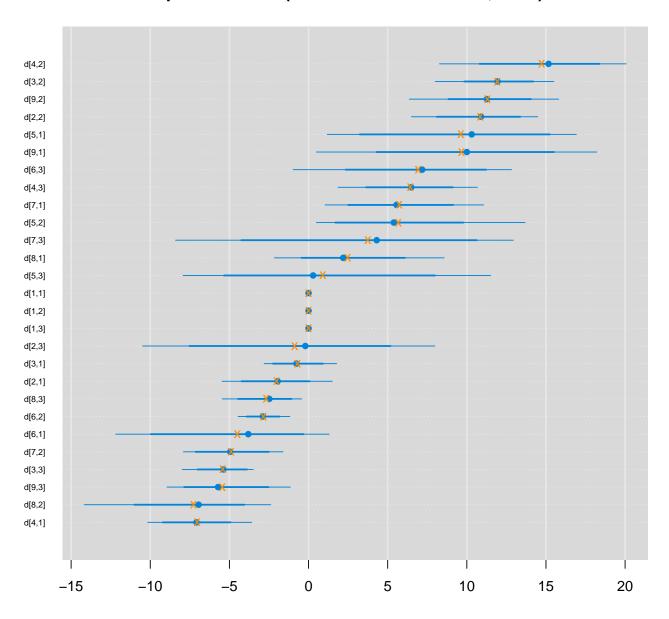
parameters delta (data from Achana et al., 2014)

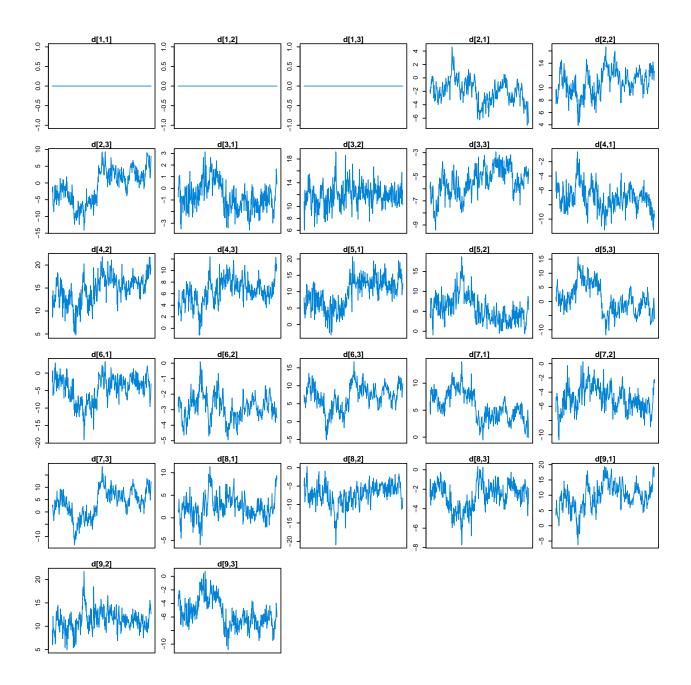




d (pooled treatment effects across trials)

parameters d (data from Achana et al., 2014)





x (latent variables)

parameters x (data from Achana et al., 2014)

