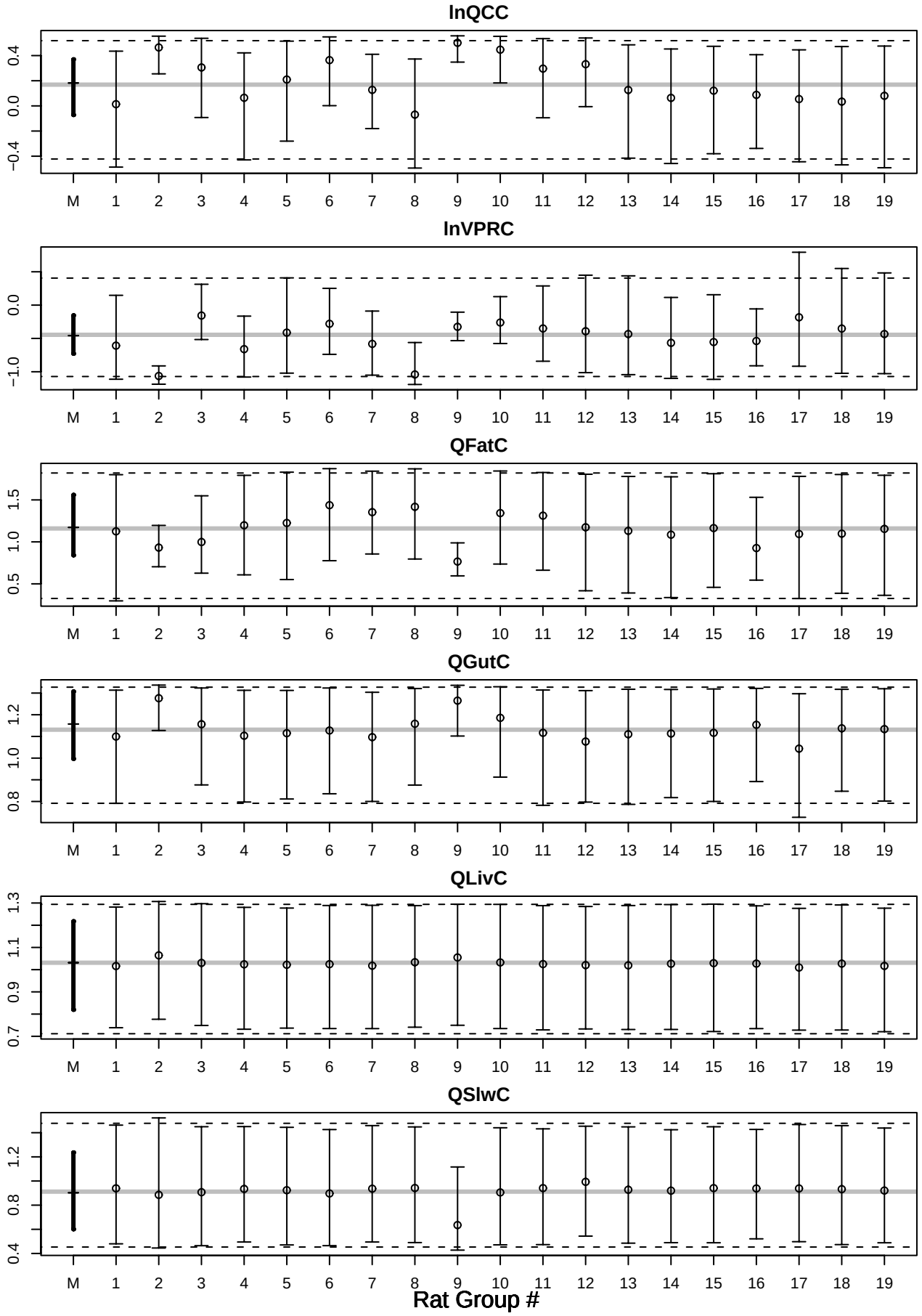
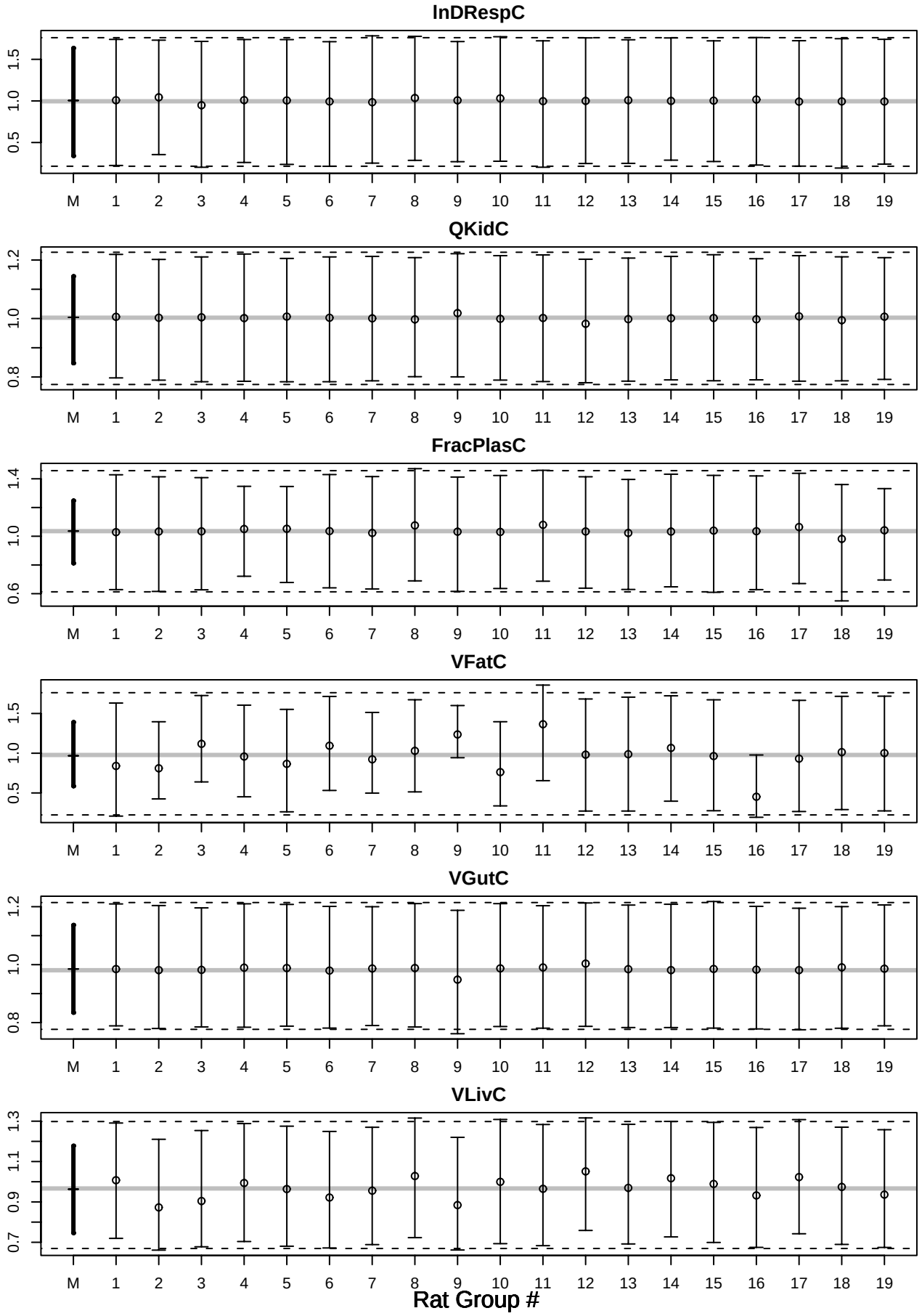
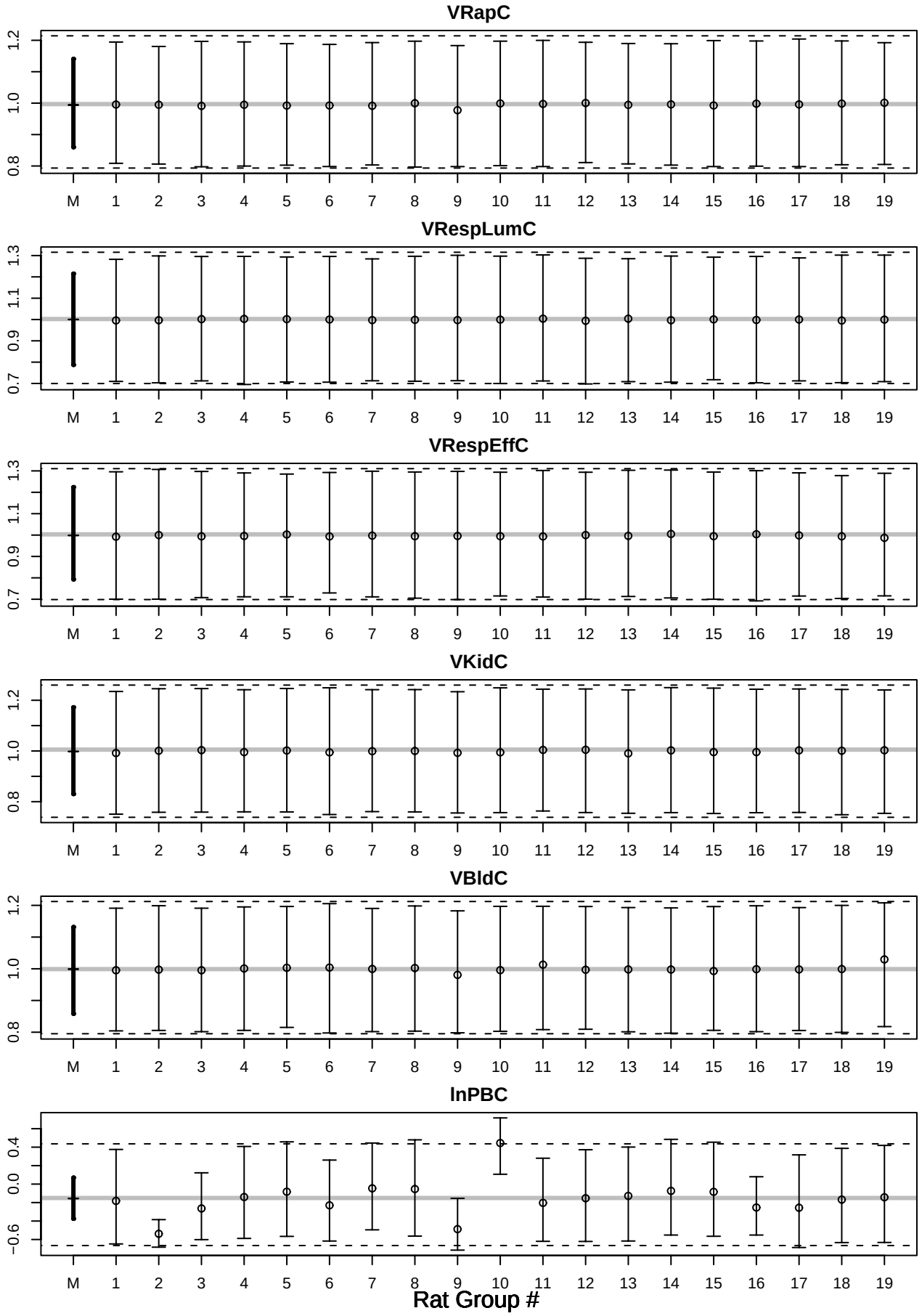
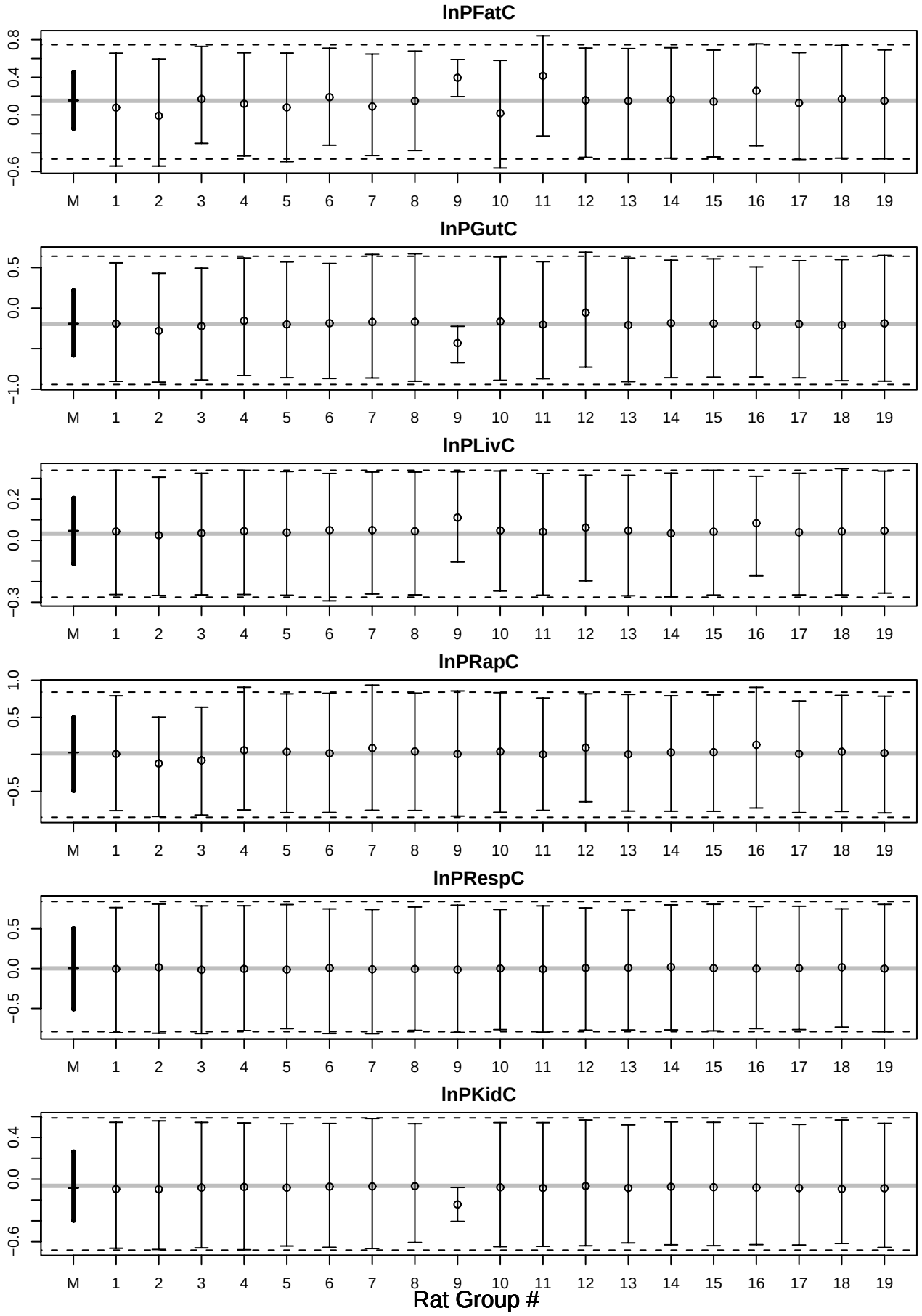
The following figures show statistical summaries (median, 95% confidence interval) of the posterior uncertainty distributions of the "scaling" (sampled) rat PBPK model parameters for the population mean (labeled "M," using "+" symbol and thick error bar) and specific groups (labeled by number, using "○" symbol and thin error bar). The population mean distributions were also tabulated in Table A-11. In addition, for each parameter (abbreviations in Table A-4), the horizontal lines represents the median (thick gray line) and 95% confidence interval (thin dashed line) of the population distribution for combined uncertainty and variability. The numbers denoting the nineteen rat groups correspond to the following data:

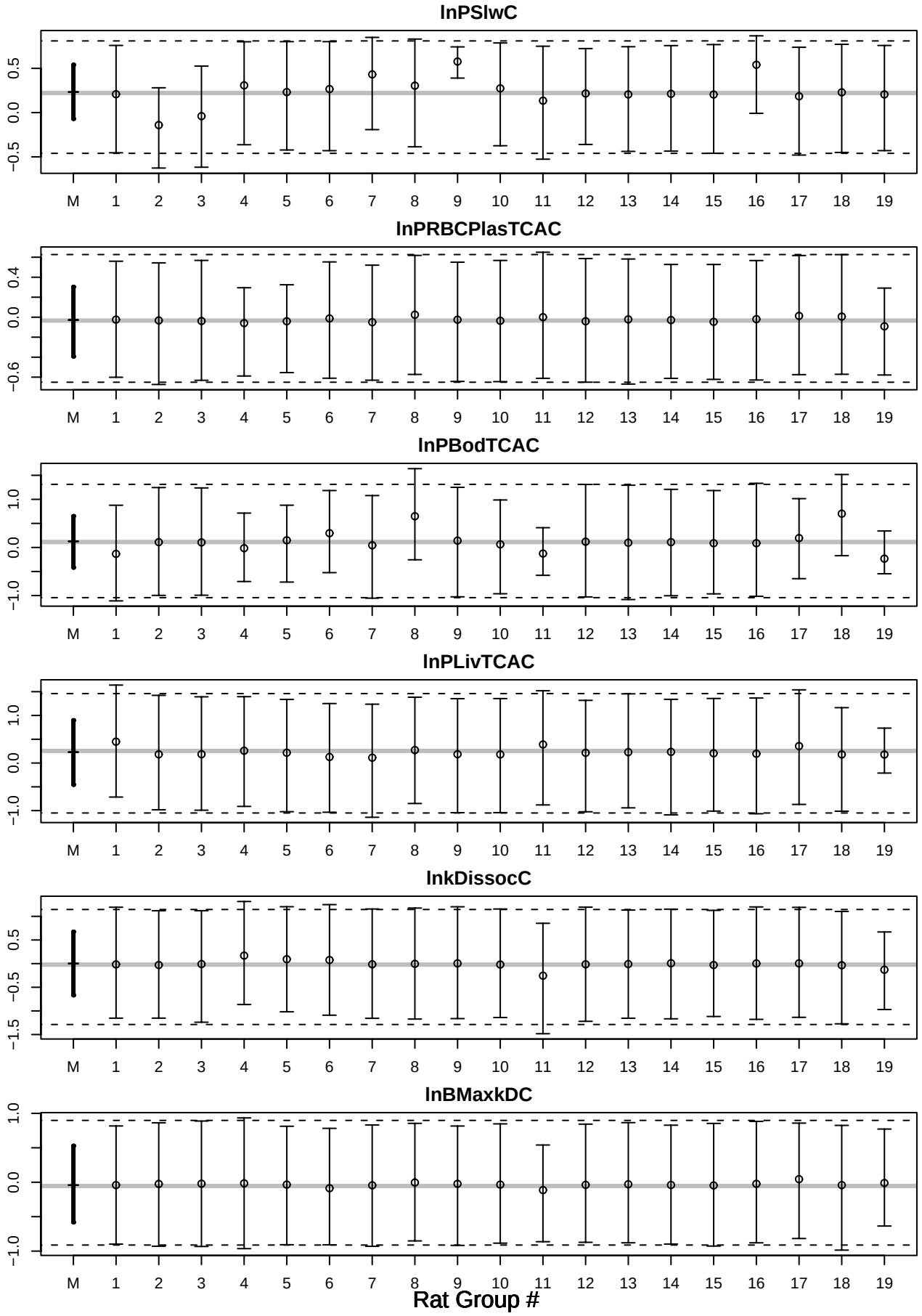
1. Bernauer et al. (1996)
2. Dallas et al. (1991)
3. Fisher et al. (1989) females;
4. Fisher et al. (1991) females;
5. Fisher et al. (1991) males;
6. Green and Prout (1985), Prout et al. (1985), male OA rats;
7. Hissink et al. (2002);
8. Kaneko et al. (1994);
9. Keys et al. (2003);
10. Kimmerle and Eben (1973a);
11. Larson and Bull (1992a, b);
12. Lee et al. (2000);
13. Merdink et al. (1999);
14. Prout et al. (1985) AP rats;
15. Prout et al. (1985) OM rats;
16. Simmons et al. (2002);
17. Stenner et al. (1997);
18. Templin et al. (1995);
19. Yu et al. (2000).

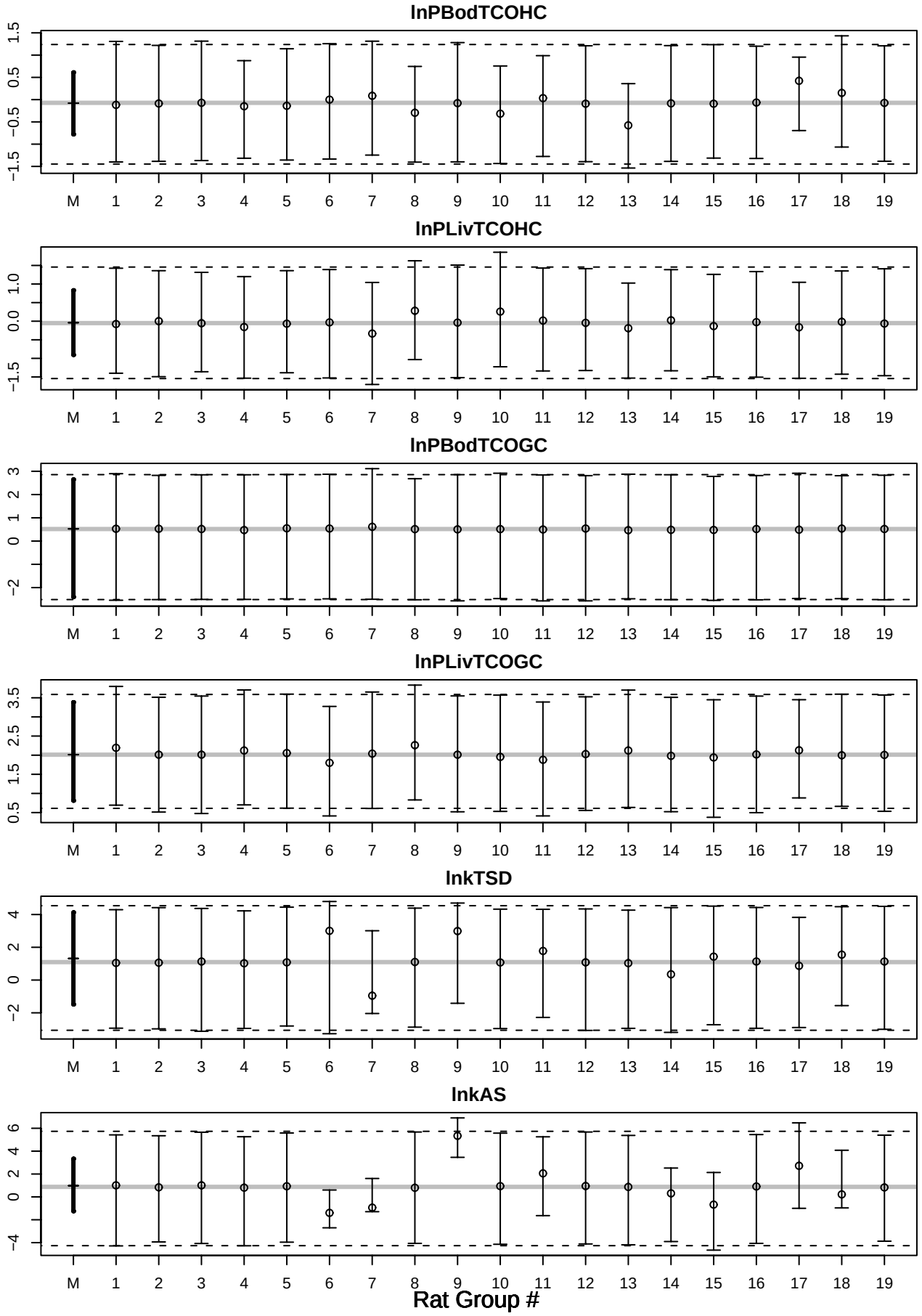

lnQCC
lnVPRC
QFatC
QGutC
QLivC
QSlwC
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #

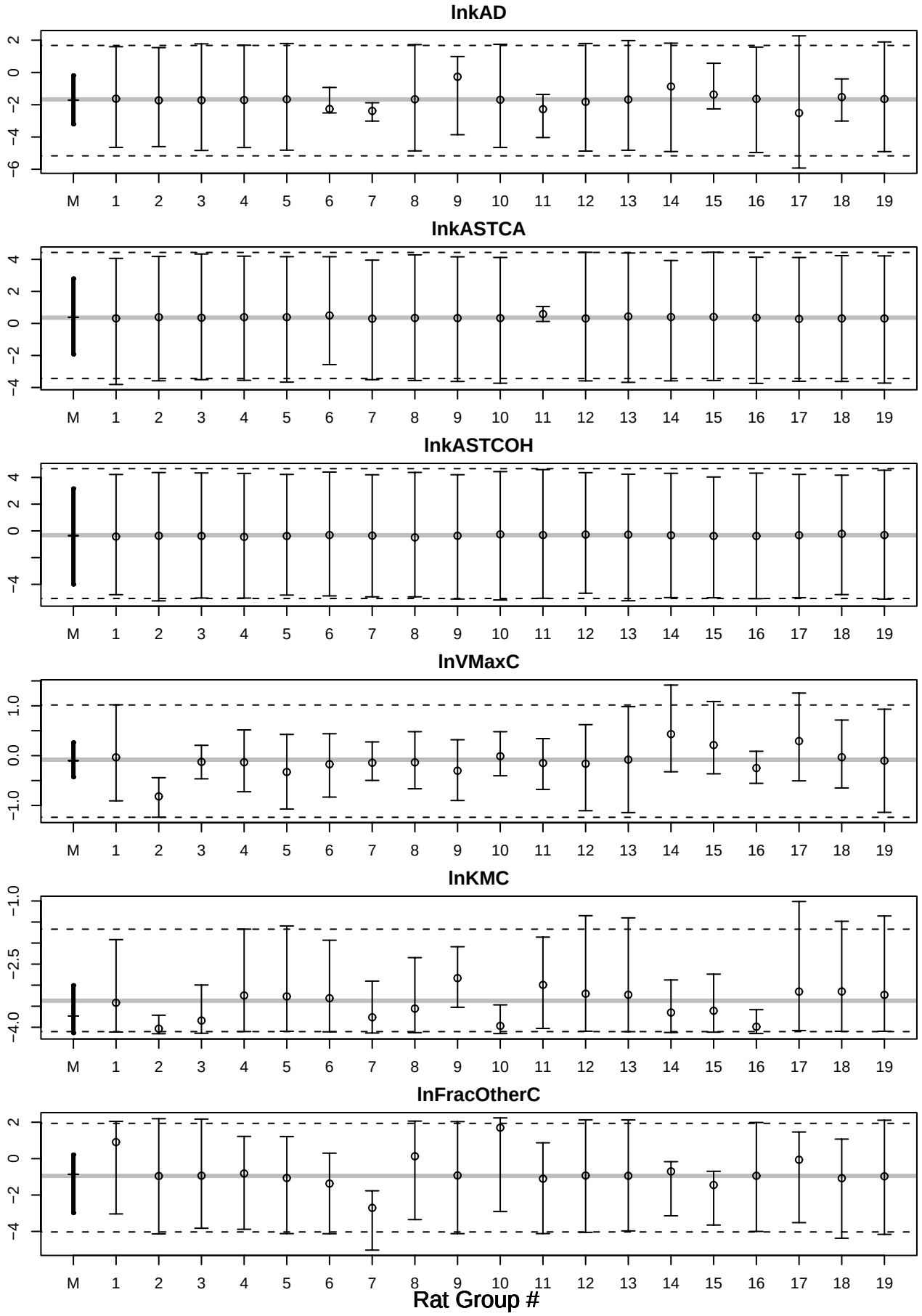

lnDRespC
QKidC
FracPlasC
VFatC
VGutC
VLivC
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #

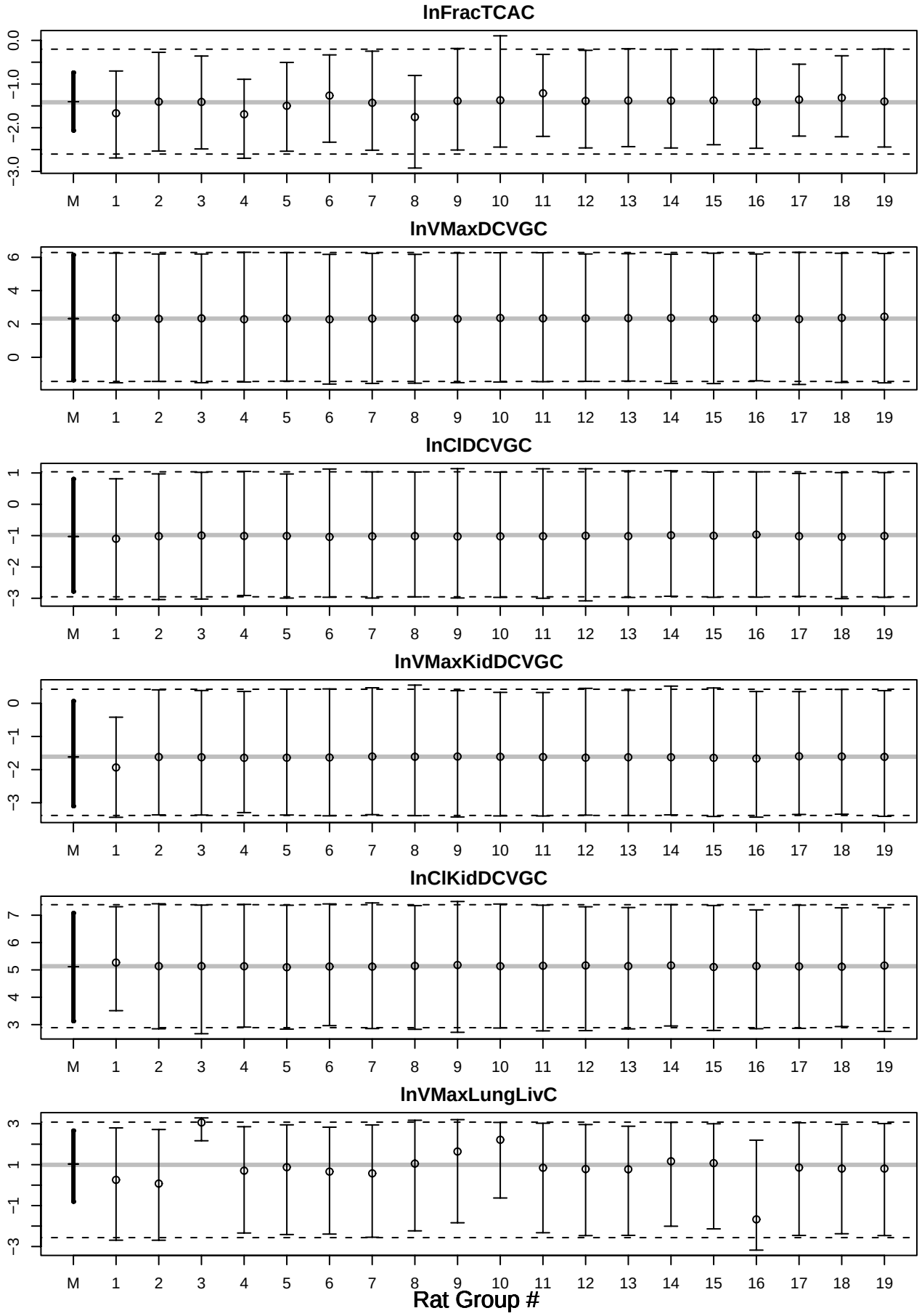

VRapC
VRespLumC
VRespEffC
VKidC
VBldC
lnPBC
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #

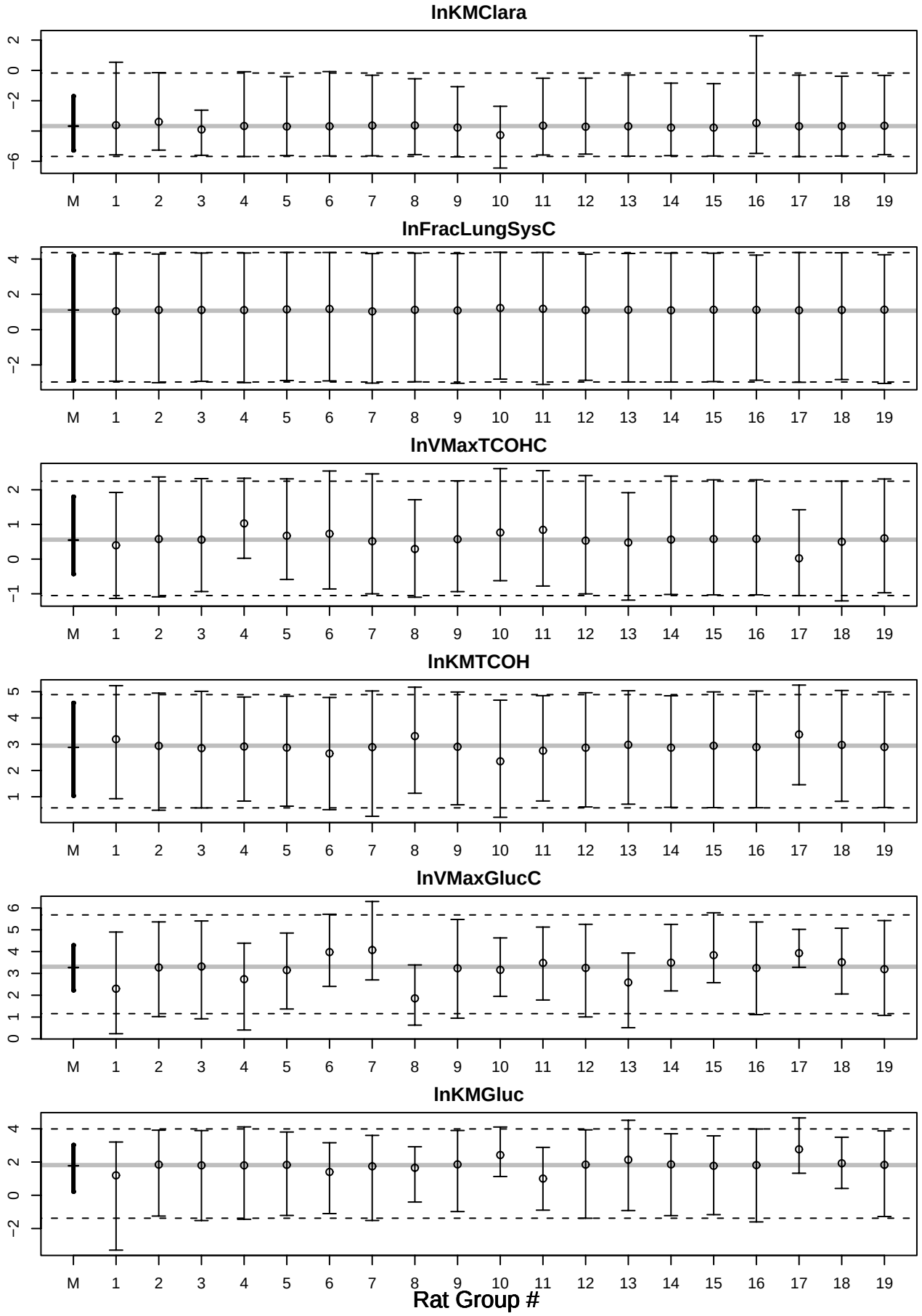

lnPFatC
lnPGutC
lnPLivC
lnPRapC
lnPRespC
lnPKidC
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #

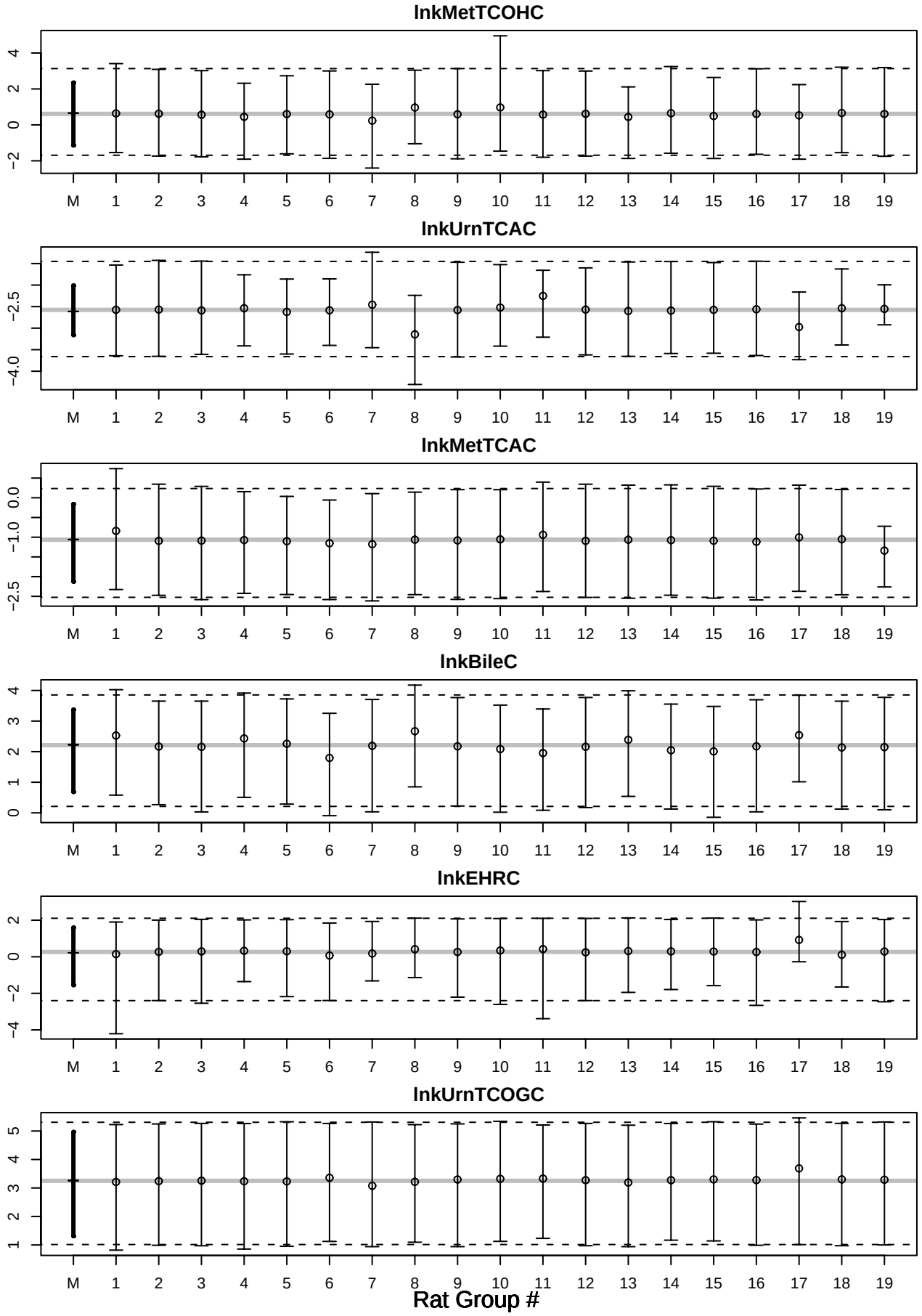

lnPSlwC
lnPRBCPlasTCAC
lnPBodTCAC
lnPLivTCAC
lnkDissocC
lnBMaxkDC
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #

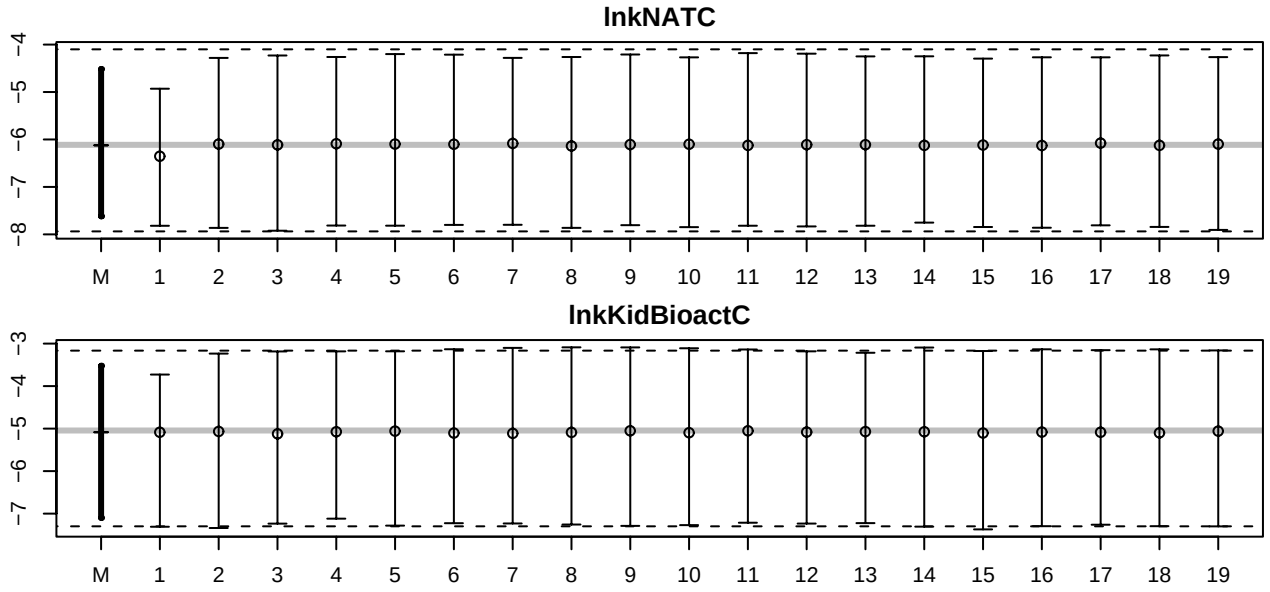

lnPBodTCOHC
lnPLivTCOHC
lnPBodTCOGC
lnPLivTCOGC
lnkTSD
lnkAS
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #


lnkAD
lnkASTCA
lnkASTCOH
lnVMaxC
lnKMC
lnFracOtherC
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #


lnFracTCAC
lnVMaxDCVGC
lnClDCVGC
lnVMaxKidDCVGC
lnClKidDCVGC
lnVMaxLungLivC
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #


lnKMClara
lnFracLungSysC
lnVMaxTCOHC
lnKMTCOH
lnVMaxGlucC
lnKMGluc
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #


lnkMetTCOHC
lnkUrnTCAC
lnkMetTCAC
lnkBileC
lnkEHRC
lnkUrnTCOGC
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Rat Group #


lnkNATC
−4
−5
−6
−7
−8
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
lnkKidBioactC
−3
−4
−5
−6
−7
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

Rat Group #