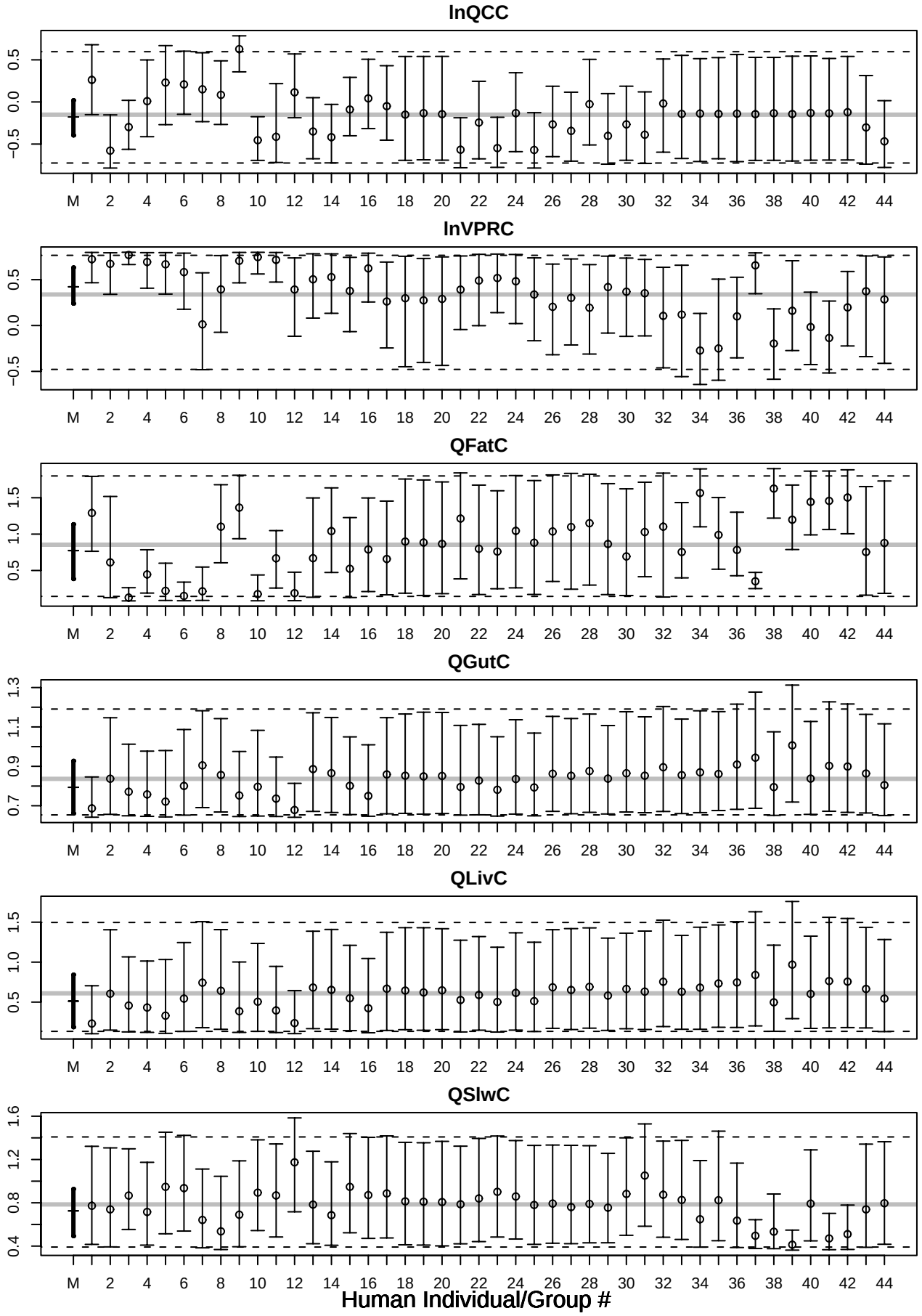
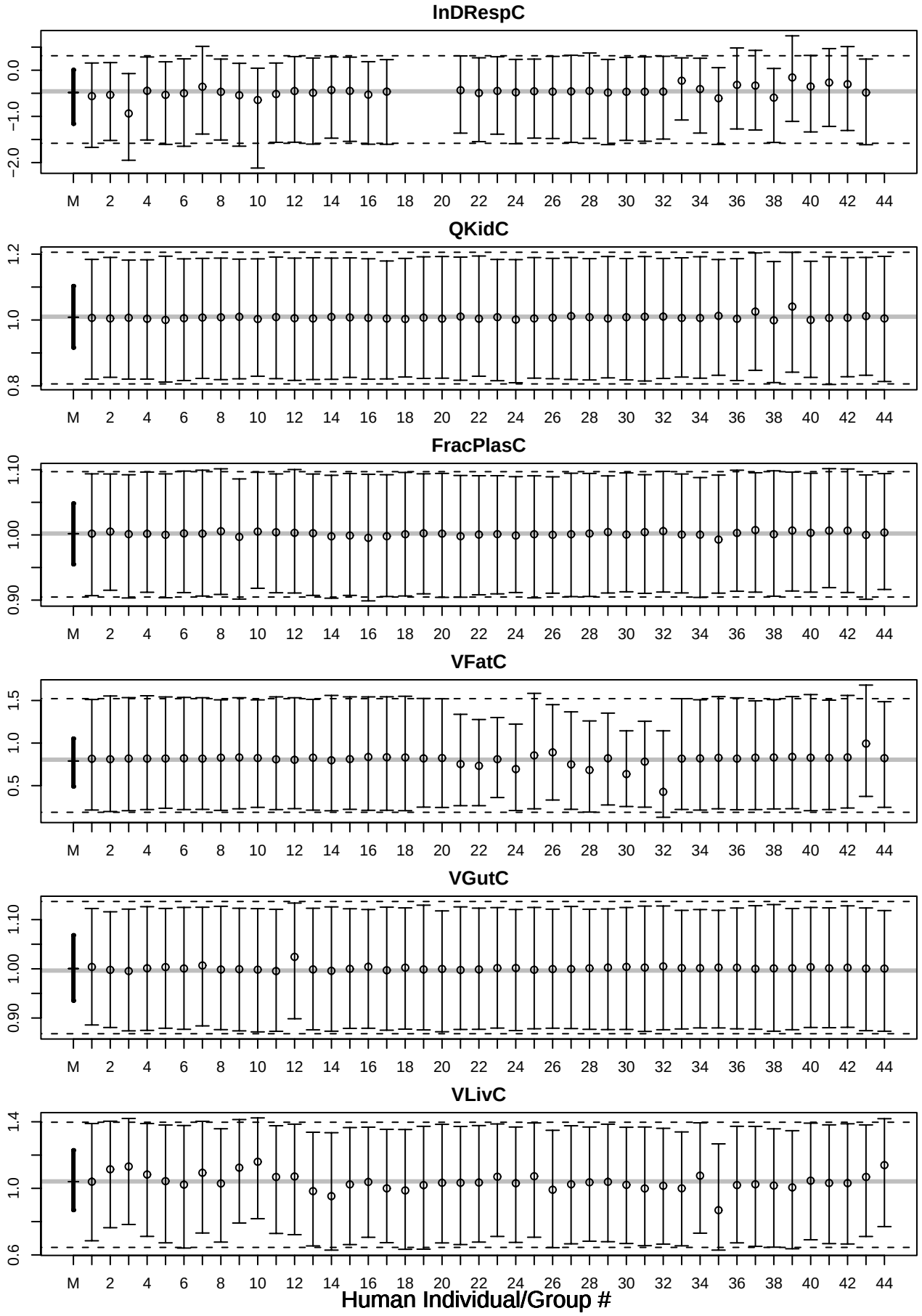
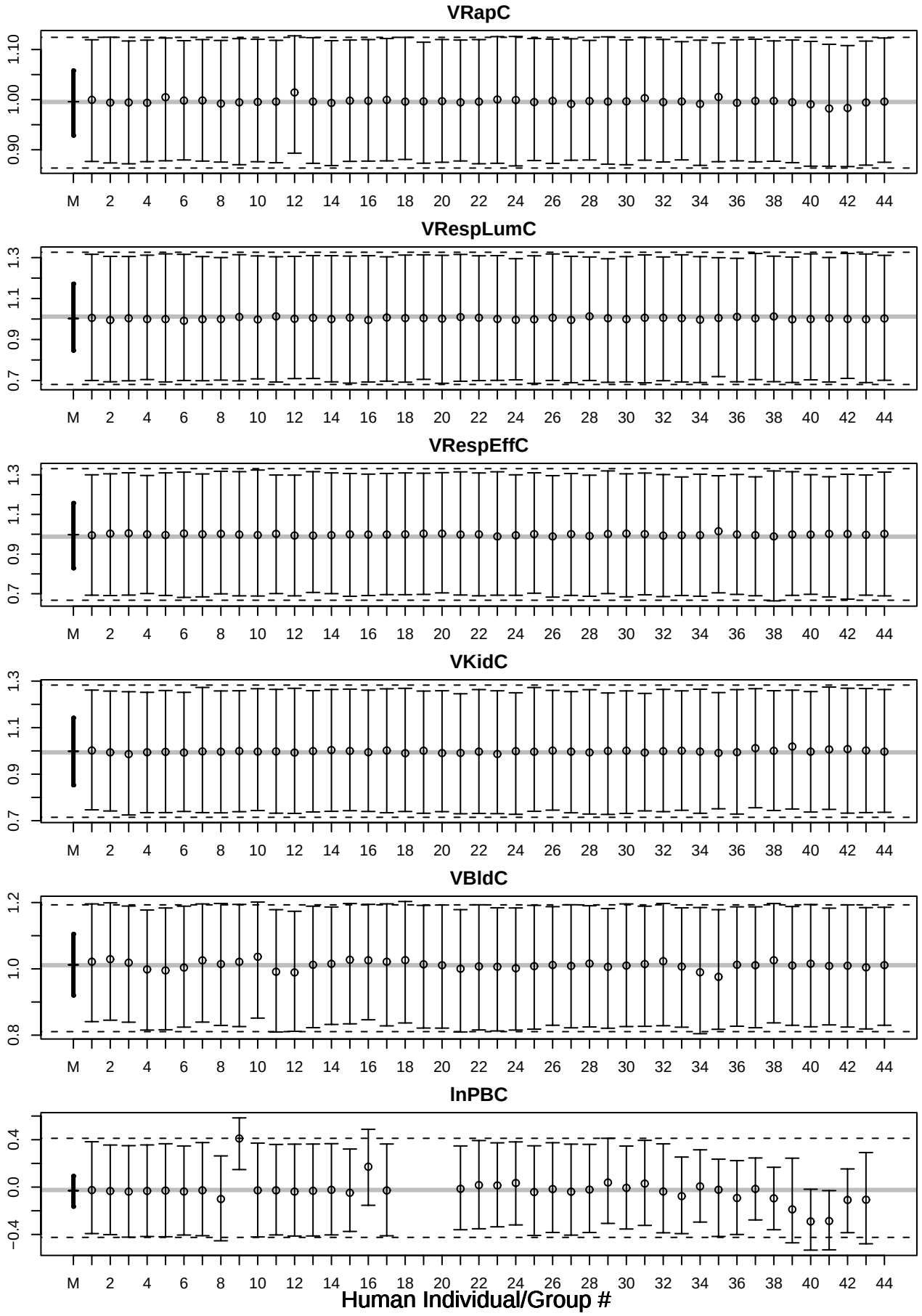
The following figures show statistical summaries (median, 95% confidence interval) of the posterior uncertainty distributions of the "scaling" (sampled) human PBPK model parameters for the population mean (labeled "M," using "+" symbol and thick error bar) and specific individuals or groups (labeled by number, using "○" symbol and thin error bar). The population mean distributions were also tabulated in Table A-13. 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 44 human individuals/groups correspond to the following data:

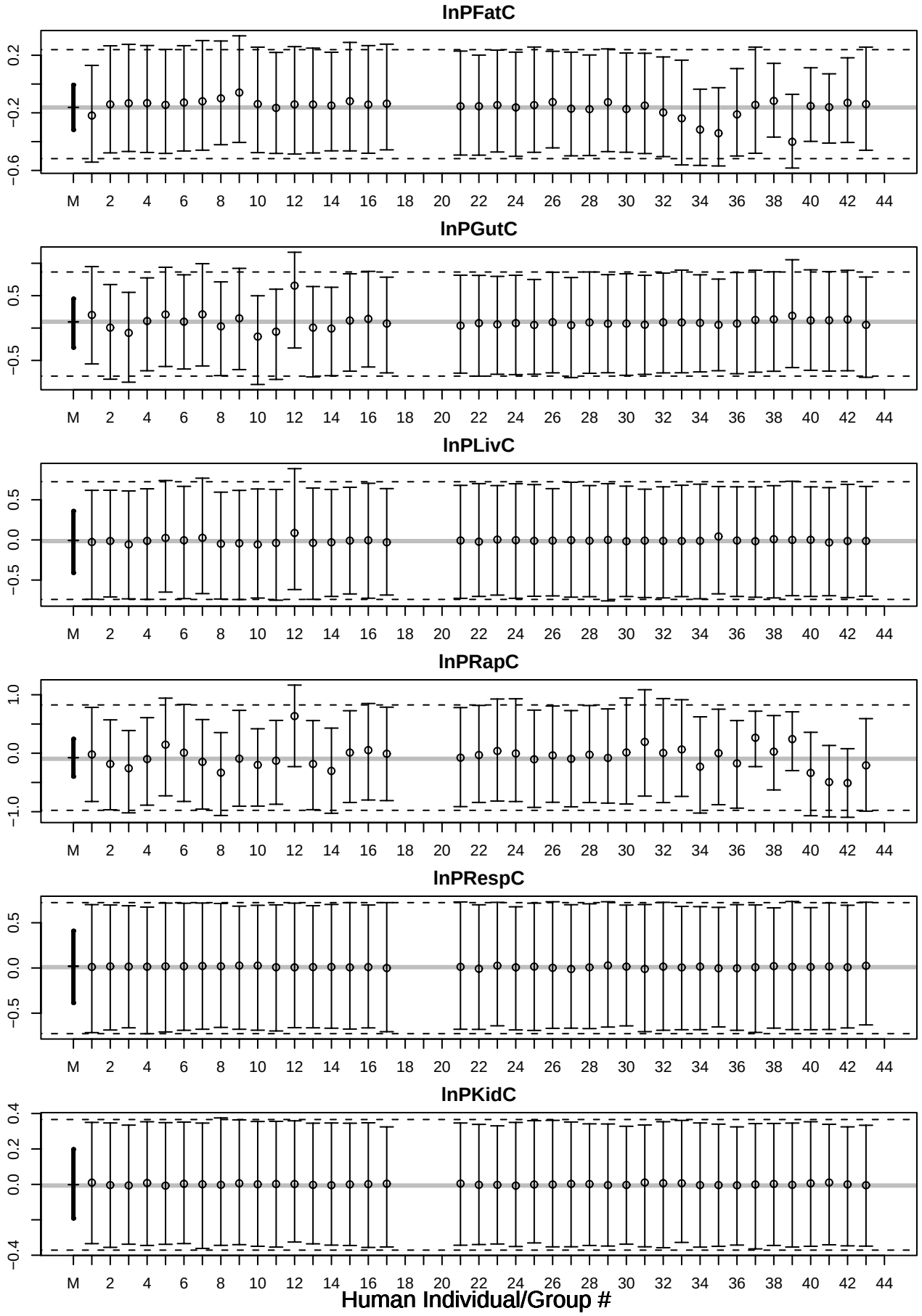
1–9. Fisher et al. (1998) males, individuals;
10–17. Fisher et al. (1998) females, individuals;
18–20. Paycok and Powell (1945), individuals;
21–24. Kimmerle and Eben (1973b) females, individuals;
25–28. Kimmerle and Eben (1973b) females, individuals;
29–32. Kimmerle and Eben (1973b) unspecified sex, individuals;
33–36. Monster et al., (1976) individuals;
37–42. Chiu et al. (2007) individuals;
43. Bernauer et al. (1996) grouped;
44. Muller et al. (1974) grouped.

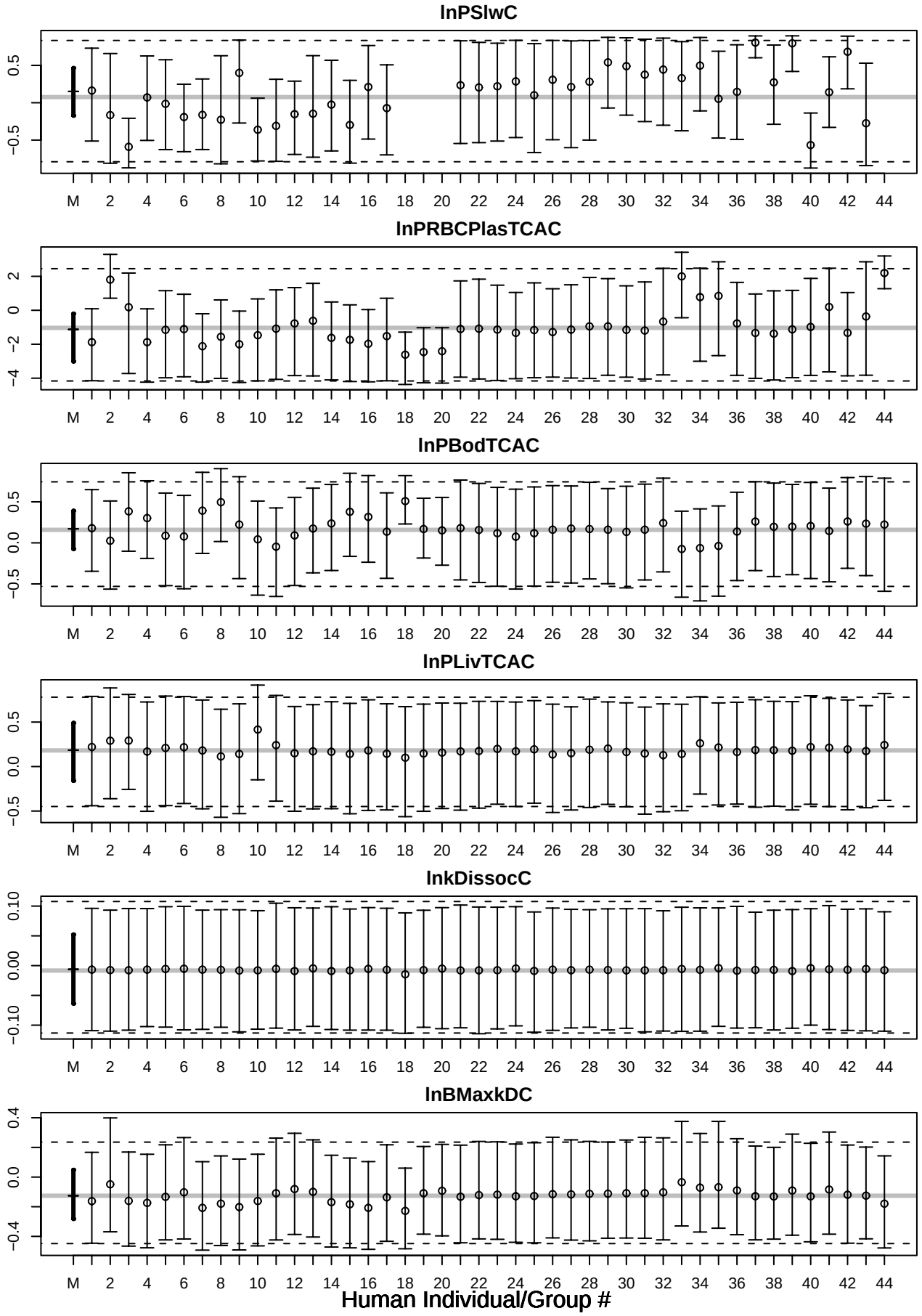
Note: because of the high computational burden of the human model and data, for some individuals/groups, parameters which were not used given the available data were omitted from the Markov chain Monte Carlo computations [e.g., under TCA dosing, such as Paycok and Powell (1945), only physiological and TCA-specific parameters were sampled].

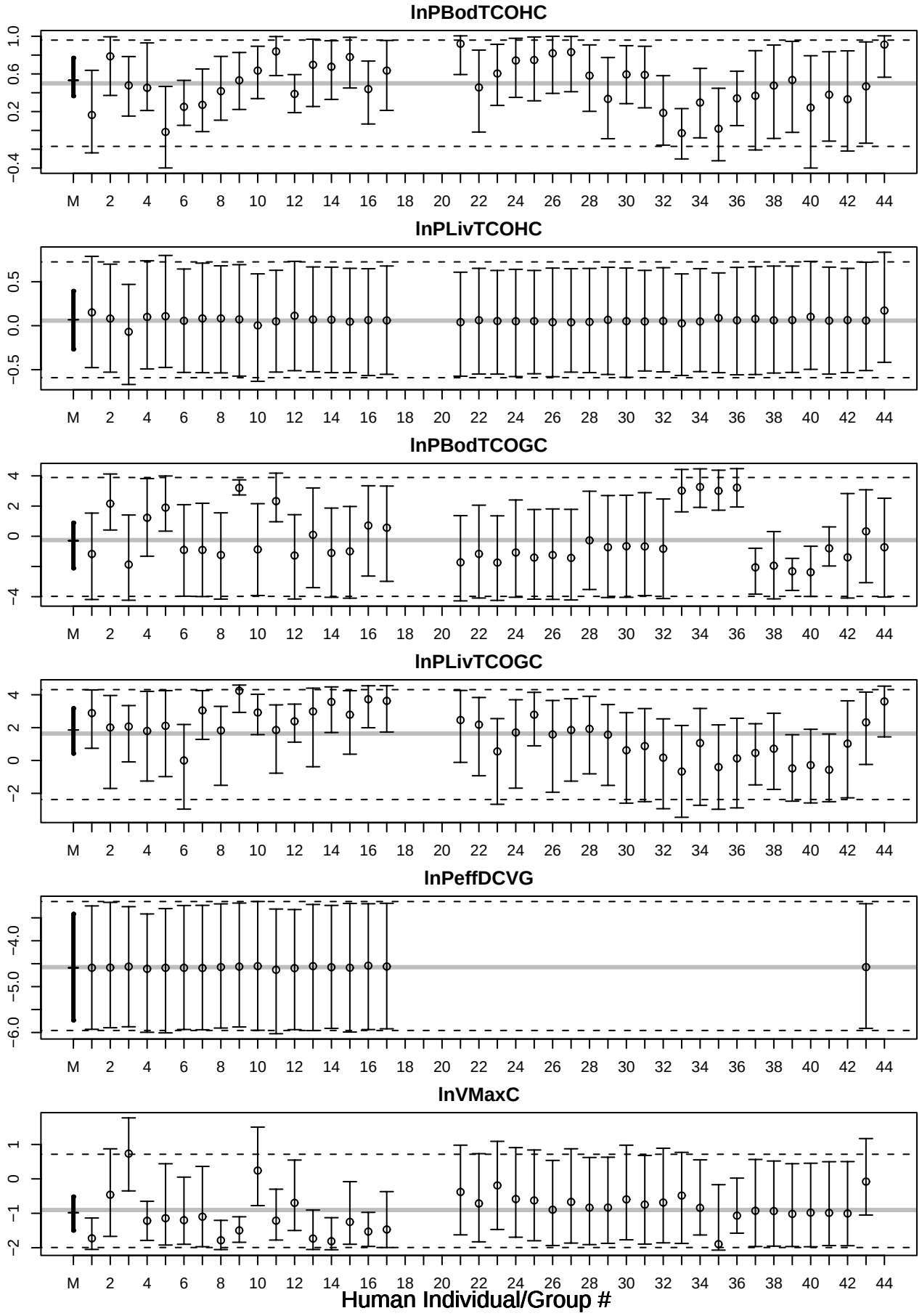

lnQCC
lnVPRC
QFatC
QGutC
QLivC
QSlwC
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #

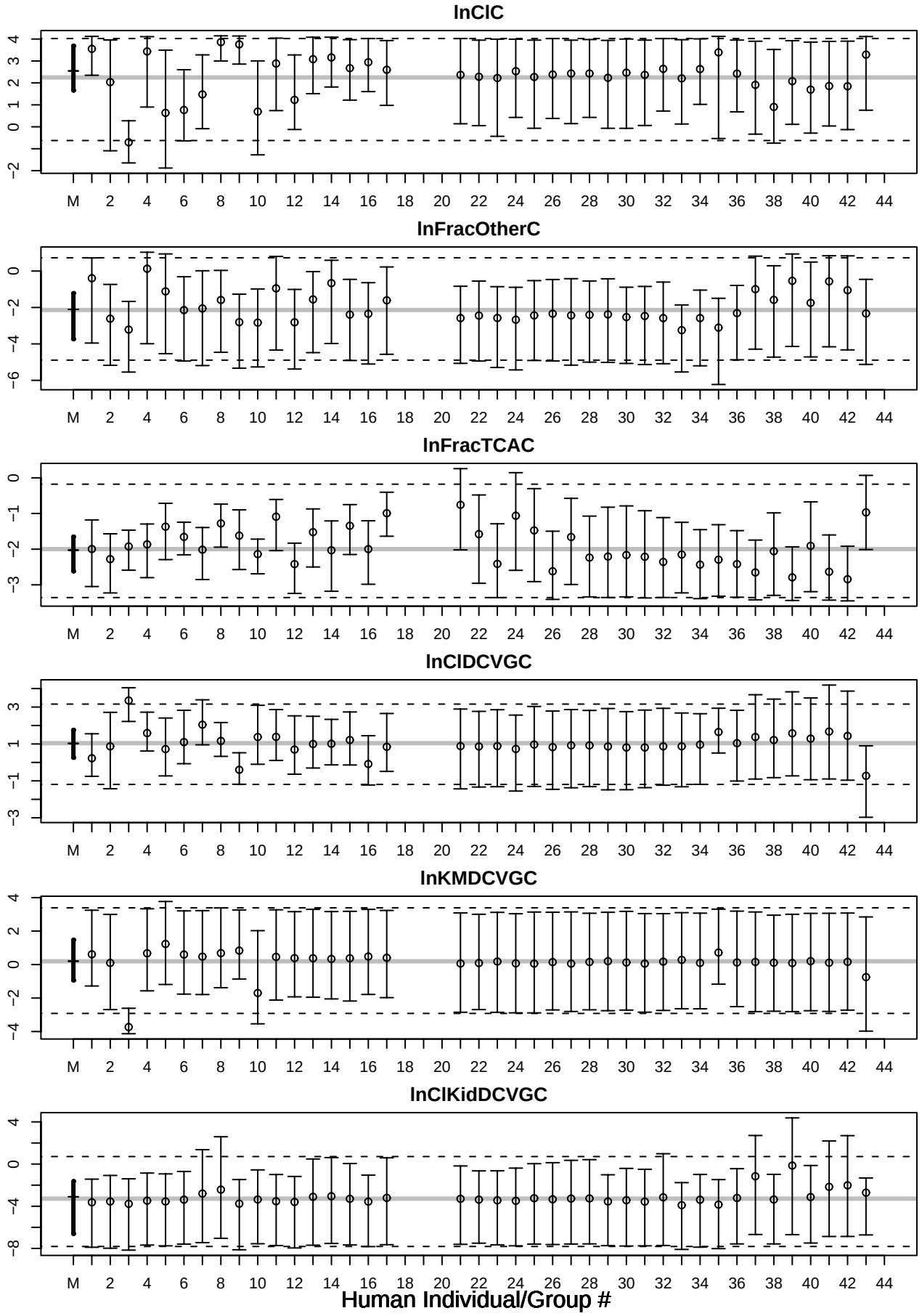

lnDRespC
QKidC
FracPlasC
VFatC
VGutC
VLivC
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #

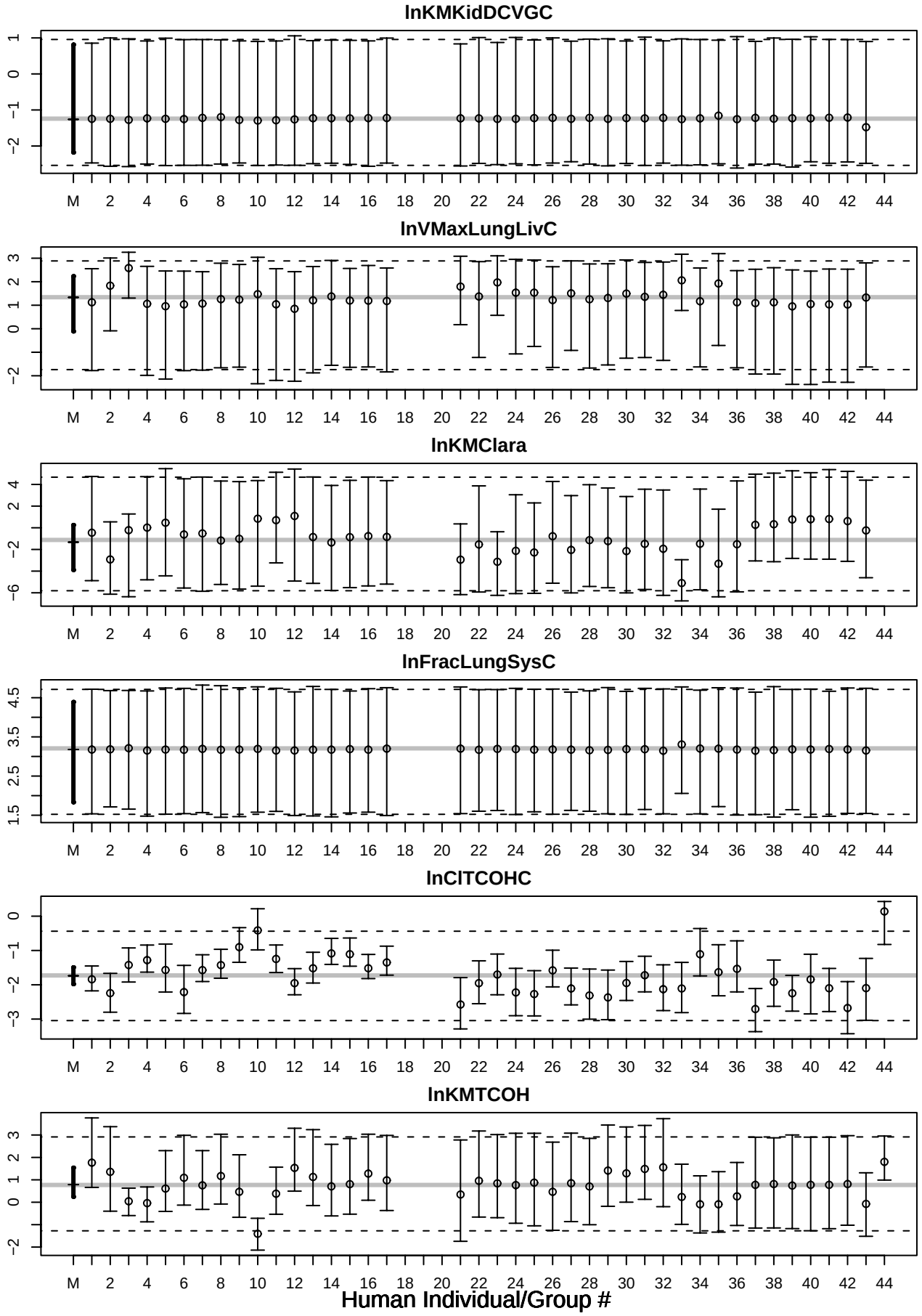

VRapC
VRespLumC
VRespEffC
VKidC
VBldC
lnPBC
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #

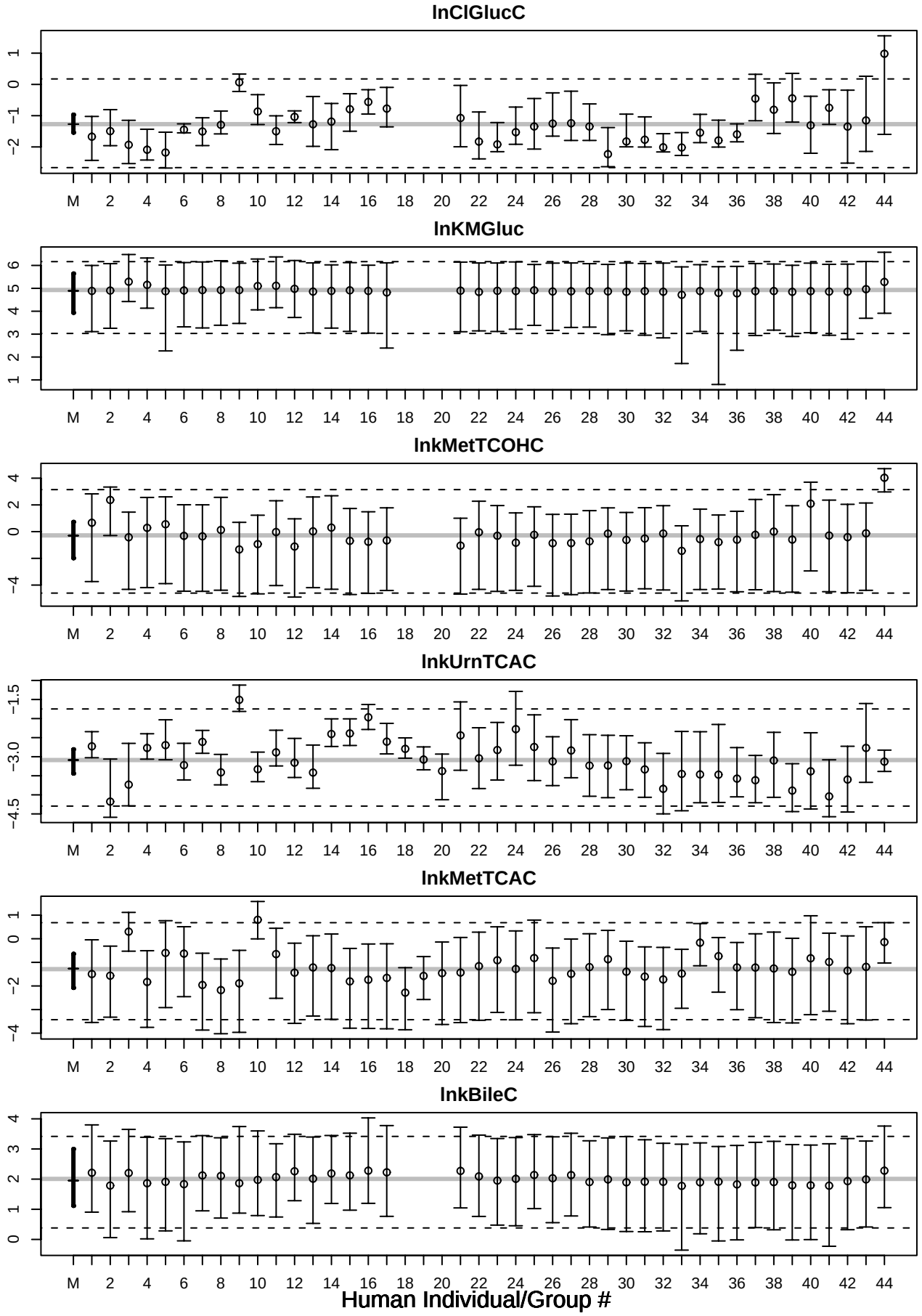

lnPFatC
lnPGutC
lnPLivC
lnPRapC
lnPRespC
lnPKidC
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #

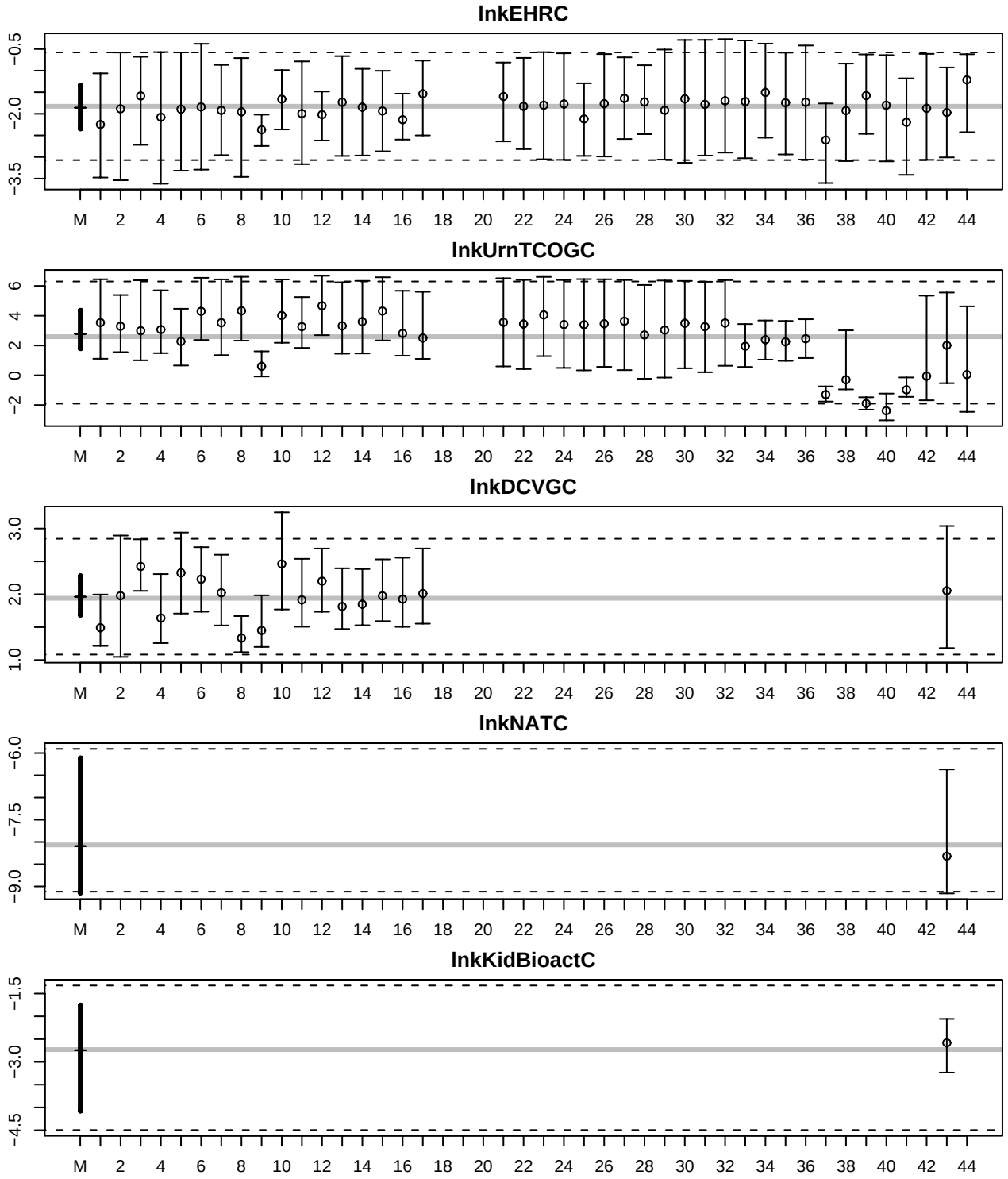

lnPSlwC
lnPRBCPlasTCAC
lnPBodTCAC
lnPLivTCAC
lnkDissocC
lnBMaxkDC
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #


lnPBodTCOHC
lnPLivTCOHC
lnPBodTCOGC
lnPLivTCOGC
lnPeffDCVG
lnVMaxC
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #


lnClC
lnFracOtherC
lnFracTCAC
lnClDCVGC
lnKMDCVGC
lnClKidDCVGC
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #


lnKMKidDCVGC
lnVMaxLungLivC
lnKMClara
lnFracLungSysC
lnClTCOHC
lnKMTCOH
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #


lnClGlucC
lnKMGluc
lnkMetTCOHC
lnkUrnTCAC
lnkMetTCAC
lnkBileC
M 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Human Individual/Group #



Human Individual/Group #