

Supplement 3.

Table S1. Low information prior

	typical values		BSV	
	mean	SD	mean	SD
$\ln(V_m)$	0	1000	0	1000
$\ln(k_{mm})$	0	1000	0	1000
$\ln(CL_{mb})$	0	1000	0	1000
$\ln(CL_{bo})$	0	1000	0	1000

*typical values and BSV (Between Subject Variability; $BSV > 0$) are assumed as normal distribution, which is denoted here as mean and standard deviation (SD).

Table S2. Informative prior

	typical values		BSV	
	mean	SD	mean	SD
$\ln(V_m)$	3.45	0.01	0.15	0.01
$\ln(k_{mm})$	-2.17	0.01	0.18	0.01
$\ln(CL_{mb})$	-0.36	0.02	0.31	0.01
$\ln(CL_{bo})$	-0.05	0.02	0.23	0.01

*typical values and BSV (Between Subject Variability; $BSV > 0$) are assumed as normal distribution, which is denoted here as mean and standard deviation (SD). For all the parameters, the mean and SD values were set to the posterior of the base model analysis.