Supplementary table 2. Multilevel modeling estimates and uncertainty (90% credible interval) of modeling sex- and body size-associated variation on Qtw.pot.

|  | Modeling sex-associated variation | Modeling sex- and mass-associated variation |
| --- | --- | --- |
| *Population-level parameters* | | |
| Intercept | -0.85 (-1.35; -0.35) | 1.21 (-1.70; -0.73) |
| Test duration | -2.81 (-3.86; -1.81) | -2.78 (-3.77; -1.79) |
| Sex | -0.44 ( -0.76; -0.13) | 0.25 (-0.16; 0.66) |
| Body mass | - | 0.72 (0.38; 1.06) |
| *Group-level parameters (level 2)* | | |
| Intercept (standard deviation) | 1.44 (1.03; 1.94) | 1.37 (1.03; 1.80) |
| Test duration (standard deviation) | 3.12 (2.26; 4.19) | 3.07 (2.33; 3.96) |
| Residual standard deviation (level 1) | 0.21 (0.19; 0.22) | 0.21 (0.19; 0.22) |

*Note: outcomes were standardized; sex was considered as a dummy variable: man = 0, woman = 1, hence exponents indicate the additive term for woman).*