**Additional file 1: Table S1.** *Post-hoc* results of simultaneous tests for general linear hypotheses for body mass differences between and within seasons for *M. murinus* and *M. ravelobensis*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Factor** | **Estimate** | **Std. Error** | **Adjusted *P*‑values** | **Effect on body mass** |
| *Microcebus murinus*Difference between seasonsa |  |  |  |
| EDS16 *vs* EDS15 | 6.000 | 1.837  | 0.011\*  | EDS16 > EDS15 |
| LDS15 *vs* EDS15 | -2.800  | 1.324  | 0.214  |  |
| ERS15 *vs* EDS15  | -1.415  | 1.637  | 0.908  |  |
| LRS16 *vs* EDS15 | 4.010  | 1.709  | 0.132  |  |
| LDS15 *vs* EDS16 | -8.801  | 1.707  | < 0.001\* | EDS16 > LDS15 |
| ERS15 *vs* EDS16 | -7.415 | 1.921  | 0.001\* | EDS16 > ERS15 |
| LRS16 *vs* EDS16 | -1.990 | 1.972  | 0.848  |  |
| ERS15 *vs* LDS15 | 1.386  | 1.477  | 0.879  |  |
| LRS16 *vs* LDS15 | 6.810  | 1.601  | < 0.001\* | LRS16 > LDS15 |
| LRS16 *vs* ERS15 | 5.425  | 1.780  | 0.021\*  | LRS16 > ERS15 |
| Variations within seasonsb |  |  |  |
| Early dry season 2015 | -0.054  | 0.023  | 0.081 |  |
| Late dry season 2015 | 0.023  | 0.012  | 0.290  |  |
| Early rainy season 2015 | 0.020  | 0.202  | 1.000 |  |
| Late rainy season 2016 | -0.020  | 0.043  | 0.995  |  |
| Early dry season 2016 | -0.024  | 0.079  | 0.999  |  |
| *Microcebus ravelobensis*Difference between seasonsa |  |  |  |
| EDS16 *vs* EDS15 | 5.086 | 1.193  | < 0.001\* | EDS16 > EDS15 |
| LDS15 *vs* EDS15 | -6.730  | 0.962  | < 0.001\* | EDS15 > LDS15 |
| ERS15 *vs* EDS15  | -4.604  | 1.132  | < 0.001\* | EDS15 > ERS15 |
| LRS16 *vs* EDS15 | 4.615  | 1.377  | 0.008\* | LRS16 > EDS15 |
| LDS15 *vs* EDS16 | -11.816  | 1.051 | < 0.001\* | EDS16 > LDS15 |
| ERS15 *vs* EDS16 | -9.690 | 1.142 | < 0.001\* | EDS16 > ERS15 |
| LRS16 *vs* EDS16 | -0.471  | 1.309  | 0.996  |  |
| ERS15 *vs* LDS15 | 2.126  | 0.974  | 0.187  |  |
| LRS16 *vs* LDS15 | 11.346  | 1.261  | < 0.001\* | LRS16 > LDS15 |
| LRS16 *vs* ERS15 | 9.219  | 1.347  | < 0.001\* | LRS16 > ERS15 |
| Variations within seasonsb |  |  |  |
| Early dry season 2015 | -0.085  | 0.015  | < 0.001\* | Decrease in body mass |
| Late dry season 2015 | 0.029  | 0.009  | 0.004\* | Increase in body mass |
| Early rainy season 2015 | 0.015  | 0.103  | 1  |  |
| Late rainy season 2016 | 0.008  | 0.029  | 1  |  |
| Early dry season 2016 | -0.076  | 0.038  | 0.222  |  |

EDS15 = early dry season 2015, LDS15 = late dry season 2015, ERS15 = early rainy season 2015, LRS16 = late rainy season 2016, EDS16 = early dry season 2016

a Differences between mean body masses at the beginning of seasons

b Estimated regression slopes of body masses, depending on time within season

\* statistically significant (*P* < 0.05)