**Table S3.** Summary of linear mixed models of effects of food insecurity on dusk1 mass (g).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Expt. | Random effects | Treatment effect2 | Parameter estimate3 | 95% CI | Test statistic and df | value | p-value |
| 1 | Aviary/bird | Overall4 |  |  | F2,138 | 2.86 | 0.061 |
|  |  | FI v. FS1 | βFI = 0.82 | -0.29 to 1.93 | t138 | 1.45 | 0.150 |
|  |  | FS2 v. FS1 | βFS2 = -0.50 | -1.76 to 0.75 | t138 | -0.79 | 0.432 |
|  |  | FI v. FS2 | βFI = 1.32 | 0.20 to 2.45 | t138 | 2.30 | 0.023\* |
| 2 | Bird | Overall | βFI = 4.25 | 3.33 to 5.18 | F1,76 | 82.01 | <0.001\*\*\* |
| 3 |  | Overall |  |  | F2,151 | 23.90 | <0.001\*\*\* |
|  |  | FI v. FS1 | βFI = 2.93 | 2.04 to 3.81 | t151 | 6.50 | <0.001\*\*\* |
|  |  | FS2 v. FS1 | βFS2 = 0.72 | -0.05 to 1.49 | t151 | 1.83 | 0.069 |
|  |  | FI v. FS2 | βFI = 2.21 | 1.44 to 2.97 | t151 | 5.64 | <0.001\*\*\* |
| 4 |  | Overall |  |  | F2,94 | 4.01 | 0.021\* |
|  |  | FIlow v. FS1 | βFIlow = 0.79 | -0.12 to 1.71 | t94 | 1.69 | 0.094 |
|  |  | FShigh v. FS1 | βFIhigh = 1.33 | 0.41 to 2.27 | t94 | 2.82 | 0.006\*\* |
|  |  | FIhigh v. FIlow | βFIhigh = 0.55 | -0.36 to 1.45 | t94 | 1.19 | 0.239 |

Notes:

1. Mass estimated at 1800 hours for expt. 1-3. and 1815 for expt. 4. These times equate to 9 hours after dawn and 12 hours after dawn respectively. Unit of analysis is bird day.
2. The reference category is always given second.
3. For comparisons involving food insecurity, the parameter estimates are always expressed such that a positive number means that birds gained weight under greater FI.
4. Overall tests: type III ANOVA with Satterthwaite’s method.
5. \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001.