**Supplementary Table S5.** Estimated parameters for each model in the study of the biological growth curve for both sexes of franciscan variety of Utrerana poultry breed.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | Sex | *a* (s.e.) | *k* (s.e.) | *b*/*m* (s.e.) | Pseudo-R2 | MSE | AIC | BIC | ICO Rank |
| Brody | F | 2162.63 (13.11)  | 0.006 (0.000) | 1.048 (0.003) | 0.936 | 28629.47 | 26192.11 | 26209.65 | 2.25 |
| M | 3075.00 (37.92) | 0.005 (0.000) | 1.051 (0.003) | 0.922 | 34003.94 | 21539.26 | 21556.15 | 1 |
| Von Bertalanffy  | F | 2024.45 (9.25) | 0.012 (0.000) | 0.752 (0.007) | 0.945 | 24677.40 | 25813.02 | 25830.55 | 5 |
| M | 2595.94 (19.50) | 0.013 (0.000) | 0.822 (0.007) | 0.947 | 22827.04 | 20740.70 | 20733.58 | 4.75 |
| Verhulst | F | 1957.95 (9.45) | 0.025 (0.000) | 13.727 (0.373) | 0.929 | 31560.07 | 26440.82 | 26458.35 | 1.25 |
| M | 2268.61 (16.82) | 0.032 (0.000) | 19.557 (0.577) | 0.928 | 31120.09 | 21356.33 | 21373.23 | 2 |
| Logistic | F | 1985.99 (9.058) | 0.018 (0.000) | 4.570 (0.055) | 0.939 | 27088.96 | 26050.96 | 26068.49 | 3.25 |
| M | 2438.69 (17.83) | 0.020 (0.000) | 5.217 (0.061) | 0.941 | 25378.60 | 20935.39 | 20952.28 | 3 |
| Gompertz | F | 1999.34 (9.06) | 0.015 (0.000) | 3.401 (0.044) | 0.944 | 33699.52 | 25941.34 | 25958.88 | 3.25 |
| M | 2495.05 (18.36) | 0.017 (0.000) | 3.897 (0.048) | 0.942 | 20331.42 | 20933.66 | 20850.56 | 4.25 |

F: female; M: male; s.e,: standard error; Pseudo-R2: non-linear determinative coefficient; MSE: mean square error; AIC: Akaike information criterion; BIC: Bayesian information criterion; ICO: combined selection index.