**Supplementary Table S4.** Estimated parameters for each model in the study of the biological growth curve for both sexes of partridge variety of Utrerana poultry breed.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | Sex | A (s.e.) | k (s.e.) | b/m (s.e.) | Pseudo-R2 | MSE | AIC | BIC | ICO |
| Brody | F | 2045,31 (13,10) | 0,007 (0,000) | 1,054 (0,005) | 0,922 | 38122,984 | 22397,63 | 22414,60 | 1 |
| M | 2819,66 (33,88) | 0,006 (0,000) | 1,060 (0,004) | 0,927 | 34483,718 | 15068,36 | 15084,18 | 1 |
| Von Bertalanffy | F | 1937,83 (9,84) | 0,014 (0,000) | 0,781 (0,011) | 0,933 | 32957,961 | 22055,54 | 22105,52 | 4,75 |
| M | 2484,10 17,46) | 0,015 (0,000) | 0,845 (0,009) | 0,958 | 19922,587 | 14277,23 | 14293,05 | 5 |
| Verhulst | F | 1883,42 (9,76) | 0,029 (0,000) | 15,042 (0,552) | 0,922 | 38105,155 | 22396,62 | 22413,61 | 1,75 |
| M | 2295,48 (16,22) | 0,032 (0,000) | 19,107 (0,608) | 0,944 | 26062,851 | 14664,63 | 14680,46 | 2 |
| Logistic | F | 1908,15 (9,56) | 0,020 (0,000) | 4,774 (0,080) | 0,930 | 34479,239 | 22184,34 | 22201,32 | 2,75 |
| M | 2392,70 (16,14) | 0,021 (0,000) | 5,278 (0,070) | 0,955 | 21122,808 | 14361,59 | 14377,41 | 3 |
| Gompertz | F | 1918,37 (9,61) | 0,017 (0,000) | 3,571 (0,065) | 0,931 | 33699,521 | 22135,78 | 22152,76 | 3,75 |
| M | 2424,32 (16,45) | 0,019 (0,000) | 3,984 (0,057) | 0,957 | 20331,421 | 14306,52 | 14322,35 | 4 |

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.