

S2 Table. Genetic correlations (\pm S.E.) of body weight and Fulton's condition factor in one-year old common carp (left hand side) related to traits (BW, FC, % Fat) during all recorded periods (upper heading).

| | BW₁ | BW₂ | BW₃ | FC₁ | FC₂ | FC₃ | % Fat₁ | % Fat₂ | % Fat₃ |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|--------------------------|--------------------------|
| BW₀ | 0.76 \pm 0.07 | 0.72 \pm 0.07 | 0.23 \pm 0.14 | -0.08 \pm 0.14 | -0.08 \pm 0.14 | -0.17 \pm 0.14 | 0.55 \pm 0.11 | 0.57 \pm 0.11 | 0.26 \pm 0.14 |
| FC₀ | -0.17 \pm 0.15 | -0.12 \pm 0.15 | 0.17 \pm 0.15 | 0.68 \pm 0.07 | 0.72 \pm 0.07 | 0.61 \pm 0.10 | -0.11 \pm 0.15 | -0.15 \pm 0.15 | -0.22 \pm 0.15 |

BW₀ – BW₃ = body weight, FC₀ – FC₃ = Fulton's condition factor, % Fat₁ – % Fat₃ = muscle fat percent.

₀ - at tagging (one-year old), ₁ – before second overwintering, ₂ – after second overwintering ₃ - at market size (three-year old).