**Meat quality traits and fatty acids composition of breast muscles from ducks fed with yellow lupin**

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**Supplementary materials**

Supplementary Material S1

*Daily Body Weight Gains*

where: BWG – daily body weight gain (g/day), BW – final body weight (g), days of rearing (in this study 8 weeks = 56 days)

Supplementary Material S2

*Feed Intake (kg)*

where: FI – feed intake per one bird (kg), F - sum of feed in the group throughout the entire rearing period (kg), n – number of birds in group

Supplementary Material S3

*Feed conversion ratio (kg/kg gain)*

where: FCR – feed conversion ratio (feed intake per 1 kg of body weight gain, kg/kg gain), FI – mean value of feed intake (kg), BW – mean value of body weight (kg)

Supplementary Material S4

*Dressing percentage (%)*

where: DP – dressing percentage (%), CW – weight of carcass (g), PBW – pre-slaughter body weight (g)

Supplementary Material S5

*Proportion in carcass (%)*

where: EiC – percentage share of element in carcass (g), EW – weight of carcass element (g), CW – weight of carcass (g)

Supplementary Material S6

*Drip loss (%)*

where: DL – drip loss (%), M2 – weight of muscle after 24 hours in cold storage at 2°C, M1 – weight of muscle before testing

Supplementary Material S7

*Water holding capacity (%)*

where: WHC – water holding capacity (%), M2 – weight of muscle after 5 minutes in 2 kg pressure, M1 –weight of muscle before testing

Supplementary Material S8

*Sheffe Test*

where: Xi and Xj – the means of the samples being compared, ni and nj – the respective sample sizes, sw2 – the within-group variance