# Supplementary material

**Supplementary Table S1** *Distribution of carcasses in the classification trial into EUROP classes according to final assessment of three expert classifiers. Fat classes in columns and conformation classes in rows. Number of carcasses and percentages in brackets.* *The average HCW was 15.7 kg, average conformation score and fat score was 8.16 and 6.76, respectively on the 15 point EUROP scale.*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 3+ | 4 | 5 | Total |
| E |  |  | 3 ( 0.4) | 1 (0.1) |  |  | 4 (0.6) |
| U |  | 18 ( 2.6) | 73 (10.5) | 54 (7.8) | 5 (0.7) | 1 (0.1) | 151 (21.7) |
| R |  | 174 (25.0) | 204 (29.3) | 48 (6.9) | 3 (0.4) |  | 429 (61.6) |
| O | 25 (3.6) | 72 (10.3) | 6 ( 0.9) |  |  |  | 103 (14.8) |
| P | 8 (1.1) | 1 ( 0.1) |  |  |  |  | 9 (1.3) |
| Total | 33 (4.7) | 265 (38.1) | 286 (41.1) | 103 (14.8) | 8 (1.1) | 1 (0.1) | 696 (100) |

**Supplementary Table S2** *Distribution of carcasses in deboning data set into EUROP-classes according to the assessment of the expert classifier.* *Fat classes in columns and conformation classes in rows. Number of carcasses with percentages in brackets.*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 3+ | 4 | 5 | Total |
| E |  | 7 ( 0.8) | 39 ( 4.5) | 17 (2.0) | 6 (0.7) | 1 (0.1) | 70 (8.1) |
| U | 2 (0.2) | 41 ( 4.8) | 114 (13.2) | 85 (9.9) | 39 (4.5) | 4 (0.5) | 285 (33.1) |
| R | 7 (0.8) | 111 (12.9) | 115 (13.3) | 76 (8.8) | 17 (2.0) |  | 326 (37.8) |
| O | 46 (5.3) | 88 (10.2) | 13 (1.5) | 1 (0.1) |  |  | 148 (17.2) |
| P | 27 (3.1) | 6 (0.7) |  |  |  |  | 33 (3.8) |
| Total | 82 (9.5) | 253 (29.4) | 281 (32.6) | 179 (20.8) | 62 (7.2) | 5 (0.6) | 862 (100) |