**Supplementary Table S1**. Metric and morphometric (mean traits ± standard deviation) in common bream, roach and the hybrids from Hamry reservoir. The significant difference in metric and morphometric traits (p < 0.05) between the hybrids and both parental species are indicated by two asterisks, the significant difference between the hybrids and common bream are indicated by one asterisk plus AB and the significant difference between the hybrids and roach are indicated by one asterisk plus RR. N.s. – non-significant difference. Mean and standard deviation are shown for morphometric traits.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Traits linked to the morphology | *A. brama* | *R. rutilus* | hybrids | significant differences |
| Metric traits |  |  |  |  |
| Number of gill rakers | 21-25 | 12-15 | 17-19 |  |
| Number of scales in the lateral line | 52-57 | 42-45 | 47-50 |  |
| Dorsal fin to lateral line scales | 12-14 | 7-9 | 10-11 |  |
| Anal fin to lateral line scales | 6-7 | 3-4 | 5-6 |  |
| Number of branched rays in anal fin | 24-25 | 9-11 | 14-16 |  |
| Morphometric traits |  |  |  |  |
| Standard length | 272.1±10.3 | 236.4±39.5 | 193±17.7 | \*\* |
| Head length | 66.2±4.2 | 57.3±9.8 | 42.8±3.8 | \*RR |
| Head width | 34.7±3.07 | 30.4±6.3 | 22.9±2.3 | \*RR |
| Head depth | 50±2.8 | 42.3±8.5 | 32.2±2.6 | \*RR |
| Preorbital distance | 16.6±1.8 | 13.4±2.3 | 10.5±1.3 | n.s. |
| Diameter of the eye | 13.8±0.4 | 9.6±0.5 | 12.7±2.2 | n.s. |
| Postorbital distance | 35.9±2.5 | 31.3±5.8 | 23.8±1.8 | n.s. |
| Interorbital distance | 24.8±1.8 | 21.4±4.4 | 16.5±1.7 | n.s. |
| Body depth | 106.7±3.7 | 81.7±14.5 | 58.3±6.6 | \*\* |
| Body width | 33.1±2.2 | 31.3±5.9 | 27±3.2 | \*AB |
| Predorsal distance | 162.5±7.2 | 124.9±21 | 99.4±10.1 | \*AB |
| Prepectoral distance | 66.2±3.8 | 56±10.1 | 43.7±4.2 | n.s. |
| Preventral distance | 123.5±6.2 | 111.4±20.5 | 90.7±9.9 | n.s. |
| Preanal distance | 177.5±9.5 | 164.7±29.4 | 133.5±13.7 | \*AB |
| Length of the anal fin | 67.7±3.6 | 41.4±6.5 | 23.1±2.3 | \*\* |
| Depth of the anal fin | 57.2±4.2 | 38.7±3.9 | 28.6±1.8 | \*\* |
| Length of the dorsal fin | 35.2±1.9 | 33.9±6.4 | 28.4±2.7 | n.s. |
| Depth of the dorsal fin | 74.5±3.9 | 52.8±7.2 | 43.6±4.7 | \*AB |