

Table 3. Influence of a long-term starvation/re-feeding cycle on the liver protein and nucleic-acid contents in rainbow trout

	Control	Starved	Re-fed
Concentrations (mg/g tissue)			
Protein	134.29 ± 5.21 ^a	144.51 ± 8.94 ^a	133.7 ± 14.1 ^a
RNA	6.56 ± 0.19 ^a	10.32 ± 0.71 ^b	7.74 ± 0.51 ^c
DNA	2.10 ± 0.25 ^a	2.95 ± 0.23 ^b	1.56 ± 0.20 ^a
Total contents (mg)			
Protein	581.5 ± 43.9 ^a	164.7 ± 10.9 ^b	339.6 ± 38.6 ^c
RNA	28.40 ± 1.97 ^a	11.76 ± 0.82 ^b	19.66 ± 1.85 ^c
Nucleic-acid ratio			
RNA:DNA	3.12 ± 0.23 ^a	3.50 ± 0.26 ^a	4.96 ± 0.48 ^b

The results are expressed by the means ± S.E.M. of 18 observations. Results were tested with a one-way ANOVA, following Duncan's multiple-range and the means were also compared between groups using an unpaired Student's *t*-test. Probabilities of $p < 0.05$ or less were considered to be statistically significant. Data in a column with different superscripts are statistically different.