

Table S1. Mean (\pm s.e.m.) wet weight percentage of body water, ash, fat and protein in fasted (FU) and fed (FF) Arctic charr sampled in March, May (only FU fish) and June

	March		May		June	
	FU	FF	FU	FF	FU	FF
Water	76.1 \pm 0.5	76.6 \pm 0.5	77.4 \pm 0.6	–	80.7 \pm 0.5	71.4 \pm 1.4
Ash	1.9 \pm 0.2	1.7 \pm 0.1	1.7 \pm 0.1	–	1.9 \pm 0.3	1.6 \pm 0.3
Fat	4.8 \pm 0.5	4.6 \pm 0.5	3.8 \pm 0.6	–	1.2 \pm 0.4	10.4 \pm 1.5
Protein*	17.2 \pm 0.2	17.1 \pm 0.3	17.2 \pm 0.2	–	16.1 \pm 0.28	16.4 \pm 0.5

*Protein percentage calculated by difference.

Table S2. Mean (\pm s.e.m.) body mass (M_b) and condition factor (CF) of FU fish sampled in May and June, and their respective M_b and CF in March, May and June, and the M_b and CF in March and June of the FF fish sampled in June

	March	May	June
FU fish			
Sampled May ($N=10$)			
M_b	154.0 \pm 5.6	151.7 \pm 6.5	
CF	0.88 \pm 0.01	0.86 \pm 0.02	
Sampled June ($N=10$)			
M_b	155.4 \pm 9.3	149.0 \pm 9.0	138.1 \pm 7.5
CF	0.88 \pm 0.01 ^a	0.83 \pm 0.01 ^b	0.75 \pm 0.01 ^c
FF fish			
Sampled June ($N=7$)			
M_b	164.8 \pm 15.3 ^a		338.7 \pm 52.3 ^b
CF	0.95 \pm 0.03 ^a		1.20 \pm 0.06 ^b

Different letters denote significant differences between sampling dates.