



Figure S1. Generalized linear model (GLM) of Fulton's condition factor (K) with two European grayling (*Thymallus thymallus*) groups during the monitored period (April-October). A significant decrease of K in stocked fish from the stocked fish was detected in May and October. The plot highlights significant differences with asterisk (*) above the error bars, between the pond and stocked fish.

Table S1 Lipid content in European grayling of three groups, pond-reared, stocked, and wild (Oct*) during the monitored period. Values represent mean \pm s.e.m. of liver and muscle lipid content (mg/g of wet weight), while visceral adipose tissue (VAT) encompasses entire lipid content in the VAT sample (lipid content mg/g of wet weight * weight of VAT *). The significance threshold for comparison of pond, stocked and wild groups in October was set at $\alpha = 0.05$.

fish group	Apr*	May	Jun	Jul	Avg	Sep	Oct	Oct*	Oct : Oct*
Muscle (pond)	44.4 \pm 5.8	88.6 \pm 12.2	55.6 \pm 3.6	49.1 \pm 5.6	44.0 \pm 2.9	55.1 \pm 12.1	37.7 \pm 3.5		p < 0.001
Muscle (stocked)		42.3 \pm 3.5	36.1 \pm 1.9	28.3 \pm 7.1	17.1 \pm 3.0	24.4 \pm 5.8	10.1 \pm 1.1	13.4 \pm 4.1	NS
Liver (pond)	36.9 \pm 8.3	58.5 \pm 15.4	35.8 \pm 4.4	19.9 \pm 3.0	20.6 \pm 2.5	24.0 \pm 2.1	21.4 \pm 2.9		NS
Liver (stocked)		36.0 \pm 12.5	17.7 \pm 2.4	12.6 \pm 1.8	17.3 \pm 2.8	17.2 \pm 2.5	22.1 \pm 1.3	25.8 \pm 1.4	NS
VAT (pond)	706 \pm 162	1106 \pm 394	1200 \pm 197	1331 \pm 383	1276 \pm 146	953 \pm 120	690 \pm 115		p < 0.004
VAT (stocked)		984.1 \pm 94.64	674.2 \pm 75.18	232.5 \pm 38.06	202.1 \pm 54.3	127.6 \pm 11.2	25.9 \pm 1.6	207.1 \pm 72.7	p < 0.033

Apr* – Initial sampling from the pond before stocking

Oct* – Wild grayling group

NS - non significant differences

Table S2 Values of individual fatty acids (mg/g of w. w. \pm s.e.m.) and FA groups (SFA, MUFA, PUFA, n-3/n-6, n-3 HUFA) in the muscle tissue of pond-reared European grayling.

name of FA	Apr	May	Jun	Jul	Aug	Sep	Oct
C14:0	0.50 \pm 0.07	0.41 \pm 0.04	0.54 \pm 0.04	0.50 \pm 0.07	0.39 \pm 0.02	0.29 \pm 0.04	0.31 \pm 0.04
C14:1	0.013 \pm 0.003	0.006 \pm 0.002	0.015 \pm 0.002	0.012 \pm 0.003	0.011 \pm 0.001	0.006 \pm 0.002	0.008 \pm 0.002
C16:0	2.98 \pm 0.36	2.47 \pm 0.26	3.10 \pm 0.20	2.92 \pm 0.37	2.64 \pm 0.14	2.00 \pm 0.19	2.49 \pm 0.20
C16:1	1.18 \pm 0.20	1.00 \pm 0.13	1.30 \pm 0.11	1.16 \pm 0.20	1.04 \pm 0.07	0.74 \pm 0.10	0.80 \pm 0.13
C18:0	0.40 \pm 0.04	0.47 \pm 0.04	0.45 \pm 0.03	0.48 \pm 0.06	0.46 \pm 0.04	0.32 \pm 0.03	0.36 \pm 0.02
C18:1n-9	16.05 \pm 2.05	9.98 \pm 1.56	14.10 \pm 1.32	13.91 \pm 1.76	13.64 \pm 0.60	11.20 \pm 1.36	17.46 \pm 1.29
C18:1n-7	1.29 \pm 0.17	0.93 \pm 0.10	1.20 \pm 0.10	1.16 \pm 0.13	1.07 \pm 0.05	0.85 \pm 0.09	1.11 \pm 0.09
C18:2n-6 (LA)	2.93 \pm 0.35	1.83 \pm 0.24	2.49 \pm 0.20	2.48 \pm 0.24	2.38 \pm 0.10	2.01 \pm 0.22	3.13 \pm 0.19
C18:3n-3 (ALA)	0.67 \pm 0.09	0.44 \pm 0.05	0.61 \pm 0.04	0.59 \pm 0.06	0.58 \pm 0.03	0.47 \pm 0.05	0.78 \pm 0.05
C20:1n-9	0.54 \pm 0.08	0.40 \pm 0.05	0.50 \pm 0.05	0.52 \pm 0.07	0.39 \pm 0.03	0.38 \pm 0.06	0.36 \pm 0.03
C20:2n-6	0.12 \pm 0.02	0.07 \pm 0.01	0.11 \pm 0.01	0.10 \pm 0.01	0.10 \pm 0.01	0.08 \pm 0.01	0.12 \pm 0.01
C20:4n-6 (AA)	0.15 \pm 0.01	0.13 \pm 0.01	0.14 \pm 0.01	0.12 \pm 0.01	0.12 \pm 0.01	0.10 \pm 0.01	0.11 \pm 0.01
C20:3n-3	0.026 \pm 0.04	0.017 \pm 0.001	0.025 \pm 0.002	0.026 \pm 0.003	0.023 \pm 0.002	0.017 \pm 0.003	0.026 \pm 0.002
C22:1n-9	0.061 \pm 0.008	0.040 \pm 0.005	0.055 \pm 0.005	0.052 \pm 0.005	0.047 \pm 0.004	0.039 \pm 0.005	0.049 \pm 0.004
C20:5n-3 (EPA)	0.64 \pm 0.07	0.63 \pm 0.04	0.67 \pm 0.04	0.62 \pm 0.05	0.50 \pm 0.03	0.40 \pm 0.03	0.36 \pm 0.03
C24:1n-9	0.052 \pm 0.005	0.037 \pm 0.004	0.049 \pm 0.003	0.046 \pm 0.005	0.042 \pm 0.002	0.032 \pm 0.003	0.044 \pm 0.003
C22:5n-3	0.36 \pm 0.04	0.32 \pm 0.03	0.36 \pm 0.02	0.36 \pm 0.02	0.31 \pm 0.02	0.25 \pm 0.02	0.20 \pm 0.03
C22:6n-3 (DHA)	3.99 \pm 0.29	4.04 \pm 0.17	4.10 \pm 0.21	4.40 \pm 0.28	3.98 \pm 0.17	3.17 \pm 0.20	3.22 \pm 0.20
SFA	3.93 \pm 0.48	3.36 \pm 0.35	4.12 \pm 0.27	3.94 \pm 0.50	3.52 \pm 0.19	2.62 \pm 0.25	3.20 \pm 0.27
MUFA	19.19 \pm 2.49	12.39 \pm 1.83	17.22 \pm 1.59	16.86 \pm 2.17	16.24 \pm 0.75	13.24 \pm 1.61	19.84 \pm 1.53
PUFA	8.89 \pm 0.85	7.47 \pm 0.45	8.50 \pm 0.51	8.71 \pm 0.63	8.00 \pm 0.34	6.49 \pm 0.48	7.95 \pm 0.48
n-3/n-6	1.84 \pm 0.10	2.93 \pm 0.34	2.15 \pm 0.09	2.25 \pm 0.12	2.08 \pm 0.03	2.05 \pm 0.15	1.37 \pm 0.05
n-3 HUFA	5.02 \pm 0.40	5.01 \pm 0.24	5.16 \pm 0.27	5.41 \pm 0.35	4.82 \pm 0.21	3.83 \pm 0.25	3.80 \pm 0.26
Σ FA	32.0 \pm 3.8	23.2 \pm 2.6	29.8 \pm 2.3	29.5 \pm 3.2	27.8 \pm 1.2	22.4 \pm 2.3	31.0 \pm 2.2

Table S3 Values of individual fatty acids (mg/g of w. w. \pm s.e.m.) and FA groups (SFA, MUFA, PUFA, n-3/n-6, n-3 HUFA) in the muscle tissue of stocked and wild European grayling.

name of FA	Apr*	May	Jun	Jul	Aug	Sep	Oct	Oct*
C14:0	0.50 \pm 0.07	0.44 \pm 0.04	0.37 \pm 0.03	0.13 \pm 0.01	0.13 \pm 0.03	0.10 \pm 0.03	0.10 \pm 0.02	0.08 \pm 0.03
C14:1	0.013 \pm 0.003	0.010 \pm 0.002	0.008 \pm 0.001	0.002 \pm 0.000	0.003 \pm 0.001	0.002 \pm 0.001	0.001 \pm 0.000	0.002 \pm 0.001
C16:0	2.98 \pm 0.36	2.73 \pm 0.18	2.29 \pm 0.14	1.03 \pm 0.06	1.16 \pm 0.20	0.89 \pm 0.15	0.73 \pm 0.06	0.86 \pm 0.24
C16:1	1.18 \pm 0.20	1.16 \pm 0.12	0.98 \pm 0.07	0.30 \pm 0.04	0.39 \pm 0.12	0.27 \pm 0.08	0.10 \pm 0.02	0.27 \pm 0.18

C18:0	0.40±0.04	0.41±0.04	0.38±0.04	0.19±0.02	0.23±0.04	0.18±0.02	0.18±0.01	0.17±0.05
C18:1n-9	16.05±2.05	12.87±0.90	10.04±0.76	4.31±0.49	3.67±0.90	2.84±0.86	1.62±0.37	1.80±0.43
C18:1n-7	1.29±0.17	1.21±0.09	1.03±0.08	0.42±0.04	0.53±0.14	0.35±0.09	0.20±0.03	0.36±0.17
C18:2n-6 (LA)	2.93±0.35	2.35±0.15	1.82±0.15	0.78±0.08	0.75±0.18	0.52±0.15	0.35±0.07	0.48±0.18
C18:3n-3 (ALA)	0.67±0.09	0.59±0.05	0.50±0.06	0.18±0.02	0.25±0.07	0.14±0.04	0.08±0.01	0.10±0.04
C20:0	0.033±0.004	0.028±0.002	0.023±0.002	0.008±0.001	0.008±0.002	0.005±0.002	0.004±0.001	0.004±0.002
C20:1n-9	0.54±0.08	0.47±0.04	0.40±0.04	0.16±0.02	0.15±0.03	0.12±0.04	0.06±0.02	0.08±0.04
C20:2n-6	0.12±0.02	0.11±0.01	0.08±0.01	0.04±0.00	0.03±0.01	0.02±0.01	0.02±0.00	0.02±0.01
C20:4n-6 (AA)	0.15±0.01	0.13±0.01	0.13±0.01	0.11±0.01	0.11±0.01	0.10±0.01	0.13±0.01	0.10±0.01
C20:3n-3	0.026±0.004	0.027±0.003	0.022±0.002	0.008±0.001	0.011±0.003	0.006±0.002	0.004±0.001	0.009±0.005
C22:1n-9	0.061±0.008	0.053±0.004	0.043±0.004	0.018±0.002	0.018±0.004	0.013±0.004	0.007±0.002	0.010±0.005
C20:5n-3 (EPA)	0.64±0.07	0.74±0.05	0.70±0.05	0.31±0.03	0.036±0.06	0.31±0.04	0.30±0.02	0.33±0.13
C24:1n-9	0.052±0.005	0.045±0.003	0.034±0.002	0.018±0.002	0.019±0.002	0.017±0.003	0.018±0.001	0.018±0.004
C22:5n-3	0.36±0.04	0.40±0.02	0.40±0.03	0.21±0.01	0.25±0.05	0.20±0.04	0.16±0.02	0.20±0.08
C22:6n-3 (DHA)	3.99±0.29	4.03±0.20	3.91±0.15	3.00±0.15	3.02±0.20	2.46±0.16	2.91±0.10	2.23±0.11
SFA	3.93±0.48	3.61±0.25	3.07±0.20	1.36±0.08	1.54±0.28	1.17±0.21	1.01±0.08	1.11±0.32
MUFA	19.19±2.49	15.82±1.12	12.53±0.91	5.23±0.58	4.78±1.17	3.60±1.07	2.00±0.43	3.20±1.22
PUFA	8.89±0.85	8.38±0.39	7.55±0.38	4.61±0.20	4.79±0.50	3.75±0.43	3.94±0.20	3.55±0.51
n-3/n-6	1.84±0.10	2.27±0.12	2.80±0.17	4.25±0.48	5.73±0.98	6.71±1.30	8.26±1.18	6.61±1.32
n-3 HUFA	5.02±0.40	5.20±0.25	5.02±0.20	3.51±0.17	3.64±0.30	2.98±0.23	3.37±0.13	2.76±0.32
∑ FA	32.0±3.8	27.8±1.7	23.2±1.4	11.2±0.8	11.1±1.9	8.8±1.9	7.0±0.7	7.87±1.93

Apr* – Initial sampling from pond

Oct* – Wild grayling group

Table S4 Values of individual fatty acids (mg/g of w. w. ± s.e.m.) and FA groups (SFA, MUFA, PUFA, n-3/n-6, n-3 HUFA) in the liver tissue of pond-reared European grayling.

name of FA	Apr	May	Jun	Jul	Avg	Sep	Oct
C14:0	0.50±0.07	0.41±0.04	0.54±0.04	0.50±0.07	0.39±0.02	0.29±0.04	0.31±0.04
C16:0	1.80±0.35	3.34±0.71	3.23±0.42	1.46±0.12	1.08±0.07	1.39±0.14	1.64±0.13
C16:1	1.10±0.37	2.71±0.76	1.39±0.24	0.28±0.08	0.20±0.05	0.23±0.05	0.21±0.06
C18:0	0.52±0.08	0.76±0.17	0.76±0.11	0.47±0.04	0.37±0.03	0.45±0.09	0.50±0.04
C18:1n-9	10.94±2.84	13.31±3.85	15.37±1.91	4.17±1.15	3.27±0.73	4.78±0.87	6.10±0.95
C18:1n-7	0.84±0.16	0.92±0.22	1.30±0.16	0.50±0.11	0.42±0.07	0.58±0.08	0.61±0.07
C18:2n-6 (LA)	0.95±0.14	0.47±0.13	1.76±0.19	0.69±0.13	0.66±0.10	0.88±0.12	1.17±0.10
C18:3n-3 (ALA)	0.09±0.02	0.07±0.02	0.34±0.04	0.16±0.02	0.14±0.02	0.20±0.02	0.24±0.02
C20:1n-9	0.28±0.06	0.34±0.09	0.52±0.07	0.13±0.04	0.09±0.02	0.14±0.03	0.14±0.04
C20:2n-6	0.11±0.02	0.05±0.01	0.19±0.02	0.06±0.01	0.08±0.01	0.10±0.01	0.13±0.02
C20:4n-6 (AA)	0.45±0.05	0.15±0.03	0.37±0.03	0.30±0.03	0.29±0.02	0.30±0.04	0.36±0.03
C20:3n-3	0.008±0.001	0.005±0.001	0.021±0.003	0.013±0.001	0.013±0.001	0.018±0.001	0.016±0.001

C22:1n-9	0.015±0.003	0.028±0.008	0.038±0.005	0.008±0.003	0.006±0.002	0.009±0.002	0.015±0.005
C20:5n-3 (EPA)	0.42±0.04	0.58±0.09	0.69±0.07	0.59±0.04	0.55±0.03	0.59±0.11	0.53±0.04
C24:1n-9	0.016±0.003	0.002±0.001	0.117±0.027	0.039±0.007	0.023±0.002	0.026±0.004	0.072±0.011
C22:5n-3	0.14±0.02	0.18±0.03	0.26±0.03	0.24±0.02	0.21±0.01	0.26±0.05	0.21±0.01
C22:6n-3 (DHA)	3.36±0.32	4.17±0.65	5.66±0.61	5.94±0.37	4.57±0.23	5.62±1.00	5.42±0.45
SFA	2.62±0.51	4.56±0.99	4.51±0.58	2.04±0.18	1.52±0.09	1.92±0.23	2.22±0.18
MUFA	13.20±3.42	17.34±4.90	18.75±2.31	5.13±1.40	4.01±0.87	5.76±1.01	7.16±1.11
PUFA	5.53±0.38	5.68±0.85	9.30±0.89	7.99±0.54	6.51±0.36	7.98±1.15	8.07±0.64
n-3/n-6	2.98±0.47	8.62±1.37	3.05±0.20	7.17±0.60	5.64±0.47	5.47±1.10	3.88±0.18
n-3 HUFA	3.93±0.35	4.93±0.77	6.64±0.69	6.79±0.43	5.34±0.26	6.49±1.16	6.17±0.50
∑ FA	18.0±4.05	23.40±6.05	26.89±2.99	9.22±1.74	7.47±1.09	10.04±1.16	11.83±1.49

Table S5 Values of individual fatty acids (mg/g of w. w. ± s.e.m.) and FA groups (SFA, MUFA, PUFA, n-3, n-6, n-3/n-6, n-3 HUFA) in the liver tissue of stocked and wild European grayling.

name of FA	Apr*	May	Jun	Jul	Aug	Sep	Oct	Oct*
C14:0	0.30±0.09	0.30±0.12	0.14±0.04	0.07±0.01	0.04±0.004	0.04±0.01	0.17±0.05	0.06±0.01
C16:0	1.80±0.35	2.39±0.59	1.63±0.24	1.35±0.10	1.50±0.09	0.93±0.07	1.19±0.14	1.37±0.06
C16:1	1.10±0.37	1.20±0.58	0.33±0.10	0.15±0.02	0.13±0.01	0.08±0.01	0.09±0.01	0.12±0.02
C18:0	0.52±0.08	0.80±0.25	0.49±0.05	0.45±0.04	0.61±0.05	0.39±0.04	0.57±0.08	0.61±0.09
C18:1n-9	10.94±2.84	11.63±6.12	2.80±0.77	2.37±0.18	1.84±0.22	1.29±0.07	1.84±0.26	2.44±0.51
C18:1n-7	0.84±0.16	1.35±0.49	0.58±0.10	0.39±0.03	0.46±0.03	0.30±0.03	0.42±0.05	0.54±0.09
C18:2n-6 (LA)	0.95±0.14	1.13±0.43	0.57±0.17	0.53±0.04	0.46±0.08	0.20±0.01	0.48±0.10	0.52±0.12
C18:3n-3 (ALA)	0.09±0.02	0.18±0.05	0.21±0.05	0.12±0.02	0.13±0.02	0.06±0.01	0.08±0.01	0.12±0.03
C20:1n-9	0.28±0.06	0.31±0.15	0.08±0.02	0.06±0.01	0.04±0.01	0.03±0.003	0.06±0.02	0.06±0.02
C20:2n-6	0.11±0.02	0.11±0.04	0.05±0.01	0.06±0.01	0.05±0.01	0.02±0.002	0.05±0.01	0.05±0.01
C20:4n-6 (AA)	0.45±0.05	0.28±0.03	0.48±0.09	0.59±0.06	0.49±0.06	0.25±0.01	0.37±0.06	0.41±0.04
C20:3n-3	0.008±0.001	0.018±0.003	0.021±0.004	0.014±0.001	0.015±0.002	0.007±0.001	0.008±0.001	0.015±0.004
C22:0	0.001±0.000	0.004±0.001	0.010±0.002	0.007±0.001	0.017±0.003	0.006±0.001	0.012±0.003	0.014±0.002
C20:5n-3 (EPA)	0.42±0.04	1.28±0.11	1.12±0.17	0.74±0.07	0.70±0.06	0.38±0.08	0.58±0.08	0.67±0.17
C24:1n-9	0.016±0.003	0.026±0.009	0.017±0.004	0.051±0.008	0.028±0.004	0.011±0.002	0.017±0.006	0.013±0.005
C22:5n-3	0.14±0.02	0.49±0.05	0.47±0.06	0.42±0.03	0.47±0.05	0.27±0.03	0.39±0.06	0.46±0.07
C22:6n-3 (DHA)	3.36±0.32	4.72±0.33	5.91±0.70	6.23±0.51	5.71±0.47	4.29±0.30	5.11±0.89	5.89±0.37
SFA	2.62±0.51	3.50±0.96	2.28±0.33	1.88±0.15	2.17±0.13	1.36±0.09	1.95±0.24	2.07±0.15
MUFA	13.20±3.42	14.55±7.35	3.82±0.98	3.03±0.22	2.50±0.24	1.71±0.09	2.43±0.33	3.17±0.52
PUFA	5.53±0.38	8.21±0.68	8.82±1.21	8.71±0.68	8.03±0.63	5.48±0.35	7.06±1.08	8.13±0.52
n-3/n-6	2.98±0.47	7.56±1.81	7.94±0.73	6.44±0.25	7.66±0.98	10.69±0.63	7.27±0.71	8.21±1.61
n-3 HUFA	3.93±0.35	6.51±0.40	7.52±0.91	7.41±0.58	6.89±0.53	4.95±0.33	6.09±0.97	7.03±0.45
∑ FA	18.0±4.05	21.54±8.79	9.01±1.80	7.38±0.52	7.16±0.63	4.26±0.24	6.33±0.82	7.64±0.98

Apr* – Initial sampling from pond

Oct* – Wild grayling group

Table S6 Values of FAs and FA groups (SFA, MUFA, PUFA, n-3/n-6, n-3 HUFA) in the visceral adipose tissue of pond-reared European grayling, expressed in mg/g of w. w. \pm s.e.m.

name of FA	Apr	May	Jun	Jul	Avg	Sep	Oct
C16:0	19.8 \pm 2.2	30.9 \pm 2.8	22.6 \pm 0.8	18.7 \pm 1.3	24.3 \pm 1.8	17.7 \pm 1.1	18.8 \pm 1.1
C18:1n-9	143.7 \pm 13.7	163.8 \pm 10.3	134.0 \pm 5.9	122.0 \pm 6.8	172.1 \pm 13.0	149.9 \pm 9.1	180.6 \pm 8.5
C18:2n-6 (LA)	25.7 \pm 2.3	29.5 \pm 2.2	23.1 \pm 1.0	21.0 \pm 1.1	28.8 \pm 2.2	25.7 \pm 1.2	30.8 \pm 1.6
C20:5n-3 (EPA)	3.14 \pm 0.47	6.22 \pm 1.39	4.27 \pm 0.20	3.47 \pm 0.19	4.09 \pm 0.35	2.79 \pm 0.21	1.93 \pm 0.17
C22:6n-3 (DHA)	10.34 \pm 1.34	22.02 \pm 2.71	14.20 \pm 0.73	11.65 \pm 0.55	14.61 \pm 1.40	11.07 \pm 0.98	7.77 \pm 0.63
SFA	28.3 \pm 3.2	43.8 \pm 4.0	31.8 \pm 1.1	27.0 \pm 1.9	34.8 \pm 2.7	26.2 \pm 1.6	26.1 \pm 1.4
MUFA	170.4 \pm 16.5	204.1 \pm 12.4	163.2 \pm 7.2	147.0 \pm 8.2	204.8 \pm 15.5	175.7 \pm 10.5	204.6 \pm 9.4
PUFA	38.1 \pm 3.4	49.0 \pm 3.7	36.7 \pm 1.5	32.7 \pm 1.6	43.6 \pm 3.3	38.3 \pm 1.7	42.9 \pm 2.2
n-3 HUFA	5.28 \pm 0.74	10.52 \pm 1.92	6.78 \pm 0.31	5.81 \pm 0.31	6.90 \pm 0.62	5.79 \pm 0.44	3.39 \pm 0.38
n-3/n-6	0.40 \pm 0.03	0.57 \pm 0.07	0.49 \pm 0.01	0.47 \pm 0.01	0.44 \pm 0.01	0.41 \pm 0.02	0.33 \pm 0.01
Σ FA	247.0 \pm 24.0	318.8 \pm 20.8	245.9 \pm 9.9	218.3 \pm 11.9	297.8 \pm 22.6	250.7 \pm 13.7	281.3 \pm 13.0

Table S7 Values of FAs and FA groups (SFA, MUFA, PUFA, n-3/n-6, n-3 HUFA) in the in the visceral adipose tissue of stocked (Apr*-Oct) and wild (Oct*) European grayling, expressed in mg/g of w. w. \pm s.e.m.

name of FA	Apr*	May	Jun	Jul	Avg	Sep	Oct	Oct*
C16:0	19.81 \pm 2.17	24.21 \pm 1.82	25.90 \pm 1.60	18.88 \pm 2.30	11.92 \pm 2.05	10.50 \pm 1.60	5.26 \pm 1.59	15.22 \pm 5.44
C18:1n-9	143.7 \pm 38.8	171.7 \pm 44.2	171.0 \pm 31.1	212.6 \pm 45.4	87.8 \pm 44.6	89.0 \pm 30.3	81.8 \pm 10.5	103.5 \pm 45.9
C18:2n-6 (LA)	25.69 \pm 2.27	31.07 \pm 3.54	30.02 \pm 1.62	35.29 \pm 2.56	16.40 \pm 3.78	14.67 \pm 2.06	13.47 \pm 4.74	27.35 \pm 8.69
C20:5n-3 (EPA)	3.14 \pm 0.47	4.54 \pm 0.58	5.83 \pm 0.97	3.35 \pm 0.61	3.04 \pm 0.75	2.61 \pm 0.56	0.64 \pm 0.14	3.76 \pm 2.29
C22:6n-3 (DHA)	10.34 \pm 1.34	12.93 \pm 1.46	14.12 \pm 0.82	10.75 \pm 1.29	6.98 \pm 0.95	6.65 \pm 0.98	1.82 \pm 0.74	4.28 \pm 2.82
SFA	28.3 \pm 3.2	34.4 \pm 2.5	37.5 \pm 2.2	30.1 \pm 3.2	17.5 \pm 2.7	16.7 \pm 2.4	9.7 \pm 3.0	26.6 \pm 10.1
MUFA	170.4 \pm 16.5	206.1 \pm 18.9	209.9 \pm 11.8	248.0 \pm 18.8	110.4 \pm 18.8	110.0 \pm 14.5	95.3 \pm 11.4	134.8 \pm 36.8
PUFA	38.1 \pm 3.4	47.7 \pm 5.2	49.5 \pm 2.7	50.8 \pm 4.2	28.5 \pm 4.9	25.4 \pm 3.4	17.5 \pm 2.0	31.9 \pm 2.8
n-3 HUFA	5.28 \pm 0.74	7.71 \pm 1.0	10.05 \pm 1.37	7.57 \pm 1.05	6.43 \pm 1.28	6.26 \pm 1.10	2.71 \pm 0.67	9.66 \pm 4.1
n-3/n-6	0.40 \pm 0.03	0.45 \pm 0.03	0.56 \pm 0.08	0.34 \pm 0.03	0.72 \pm 0.20	0.62 \pm 0.08	0.41 \pm 0.12	0.77 \pm 0.46
Σ FA	247.0 \pm 24.0	301.1 \pm 27.7	310.7 \pm 15.3	339.7 \pm 26.7	163.4 \pm 26.4	158.8 \pm 20.3	136.9 \pm 48.0	131.3 \pm 40.13

Apr* – Initial sampling from pond

Oct* – Wild grayling group

Table S8. Numerical prey abundance (mean \pm s.e.m.) in the stomach content of stocked (May-Oct) and wild European grayling (Oct*).

May	Jun	Jul	Aug	Sep	Oct	Oct*
43 \pm 7	64 \pm 15	30 \pm 9	30 \pm 4	16 \pm 5	61 \pm 16	24 \pm 6