Table 4. Digestibility of fatty acids (FA), long-chain fatty alcohols (FAlc), total lipid, and total dry matter in Atlantic salmon freshwater pre- and seawater post-smolts fed dietary fish or *Calanus* oil.

	Freshwater pre-smolts			Seawater post-smolts		
	Fish oil	*Calanus* oil		Fish oil	*Calanus* oil	
	FA	FA	FAlc	FA	FA	FAlc
14:0	91.7 ±0.3^{a,b}	73.8 ±1.5^{c}	96.6 ±0.4^{b}	72.0 ±0.5^{c}	56.1 ±3.2^{d}	89.4 ±3.3^{a}
16:0	86.3 ±2.6^{a}	76.9 ±2.2^{b}	93.9 ±1.1^{c}	57.7 ±1.1^{d}	66.8 ±2.5^{e}	84.1 ±2.6^{a,b}
18:0	82.0 ±5.2^{a,b}	77.3 ±2.6^{a}	91.5 ±3.4^{b}	47.4 ±2.2^{c}	69.8 ±2.5^{a}	78.9 ±6.5^{a,b}
16:1n-7	97.6 ±0.1^{a}	96.3 ±0.3^{a}	91.0 ±0.3^{b}	92.7 ±0.7^{b}	90.5 ±1.4^{b}	82.1 ±2.0^{c}
18:1n-9	95.8 ±0.7^{a}	95.4 ±0.1^{a,b}	89.7 ±1.8^{b,c}	89.0 ±0.8^{c}	89.6 ±0.9^{b,c}	77.2 ±4.3^{d}
18:1n-7	95.4 ±0.1^{a}	93.9 ±0.5^{a,b}	86.1 ±3.8^{c}	84.1 ±0.9^{c}	86.9 ±1.8^{b,c}	70.1 ±3.3^{d}
20:1n-9	94.0 ±0.9^{a}	88.2 ±1.6^{a}	78.8 ±3.9^{b}	76.1 ±1.7^{b}	76.1 ±1.6^{b}	59.5 ±4.4^{c}
20:1n-7	99.0 ±0.1^{a}	89.7 ±3.7^{b,c}	100.0 ±0.0^{a}	97.1 ±0.1^{a,c}	81.9 ±4.0^{b}	82.3 ±1.9^{b}
22:1n-11	90.6 ±1.9^{a}	82.2 ±2.4^{a}	66.9 ±4.0^{b}	67.2 ±2.5^{b}	68.0 ±1.8^{b}	46.0 ±4.7^{c}
22:1n-9	85.5 ±1.4^{a}	74.6 ±3.5^{b}	100.0 ±0.0^{c}	55.3 ±2.8^{d}	64.9 ±3.3^{e}	100.0 ±0.0^{c}
24:1n-9	67.3 ±0.7^{a,b}	64.4 ±1.6^{a,b}	87.5 ±0.8^{c}	27.8 ±4.6^{d}	60.3 ±1.8^{a}	74.7 ±5.4^{b}
18:2n-6	95.9 ±2.1^{a}	95.2 ±0.4^{a}	90.5 ±1.8^{a}	92.7 ±0.3^{a}	92.0 ±0.6^{a}	78.7 ±4.8^{b}
20:4n-6	95.9 ±0.3^{a}	95.9 ±0.3^{a}	-	94.5 ±0.2^{b}	93.2 ±0.5^{c}	-
18:3n-3	96.3 ±0.9^{a,b}	97.6 ±0.2^{b}	91.6 ±1.0^{a}	92.7 ±1.4^{a,b}	92.9 ±0.9^{a,b}	80.5 ±3.7^{c}
18:4n-3	98.6 ±0.4^{a}	99.0 ±0.0^{a}	-	97.1 ±0.1^{b}	96.2 ±0.5^{b}	-
20:4n-3	98.6 ±0.1^{a}	97.3 ±0.2^{b}	-	96.3 ±0.1^{c}	93.2 ±0.5^{d}	-
20:5n-3	98.5 ±0.0^{a}	98.3 ±0.1^{a}	-	97.2 ±0.3^{b}	95.7 ±0.4^{c}	-
22:5n-3	97.7 ±0.2^{a,b}	100.0 ±0.0^{b}	-	95.9 ±1.6^{a}	100.0 ±0.0^{b}	-
22:6n-3	97.4 ±0.2^{a}	83.8 ±0.3^{b}	-	94.4 ±0.4^{a}	58.1 ±3.6^{c}	-
Σ SFA	87.1 ±2.3^{a,b}	75.9 ±1.7^{c}	94.1 ±1.1^{b}	60.0 ±1.0^{d}	63.0 ±2.7^{d}	84.4 ±2.9^{a}
Σ MUFA	93.8 ±0.6^{a}	88.7 ±1.3^{a}	74.5 ±3.6^{b}	79.5 ±1.5^{b}	78.9 ±1.5^{b}	55.5 ±4.5^{c}
Σ PUFA	96.9 ±1.2^{a,b}	97.0 ±0.2^{a}	91.2 ±1.3^{b}	95.0 ±0.3^{a,b}	92.3 ±0.7^{a,b}	79.8 ±4.2^{c}
Σ n-6 PUFA	96.5 ±1.5^{a}	95.2 ±0.6^{a}	90.5 ±1.8^{a}	92.2 ±0.2^{a}	90.2 ±0.9^{a}	78.7 ±4.8^{b}
Σ n-3 PUFA	97.9 ±0.1^{a}	97.3 ±0.0^{a,b}	91.6 ±1.0^{c}	95.5 ±0.3^{a,b,c}	92.6 ±0.7^{b,c}	80.5 ±3.7^{d}
TOTAL	93.0 ±0.6^{a}	87.7 ±1.0^{a}	78.0 ±3.1^{b}	79.2 ±0.7^{b}	78.8 ±1.6^{b}	60.6 ±4.3^{c}
Total lipid	96.9 ±1.2^{a}	92.5 ±1.9^{b}		92.9 ±0.5^{b}	83.6 ±2.9^{c}	
Dry matter	97.0 ±0.3^{a}	96.7 ±0.4^{a,b}		95.3 ±0.4^{b}	94.0 ±0.4^{b}	

$^{a-e}$ Means within each row followed by superscripts not sharing a common letter are significantly different ($P<0.05$) as determined by one-way ANOVA.

Figure 1

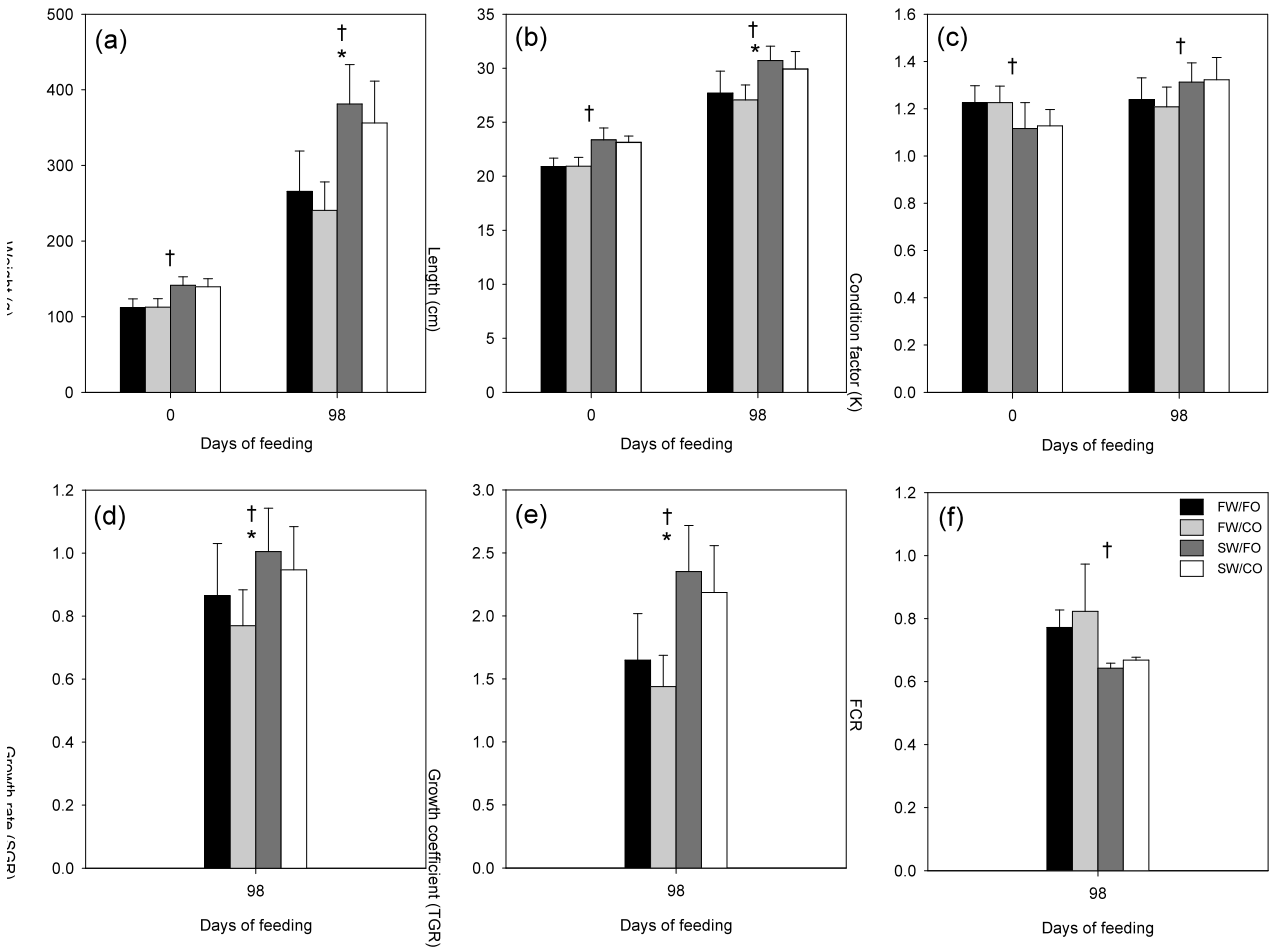
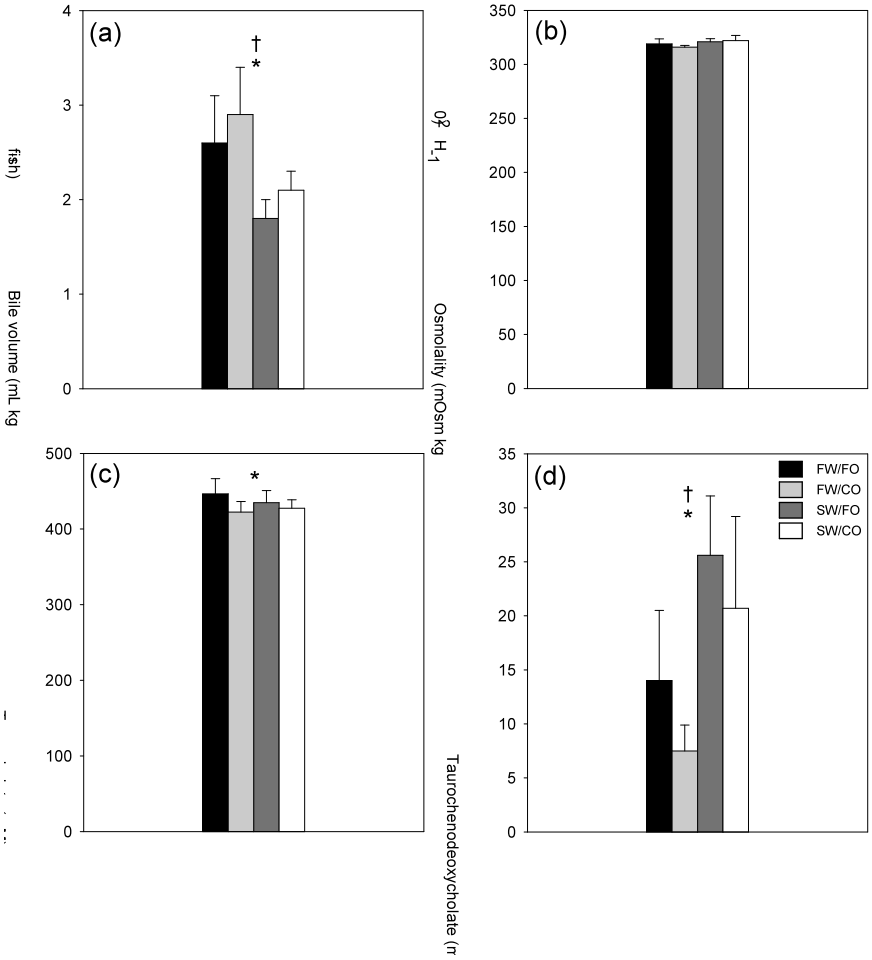

(a)
Length (cm)
Days of feeding
(b)
Condition factor (K)
Days of feeding
(c)
Days of feeding
(d)
Growth coefficient (TGR)
Days of feeding
(e)
FCR
Days of feeding
(f)
FW/FO
FW/CO
SW/FO
SW/CO
Days of feeding

Figure 2


(a)
(b)
(c)
(d)
†
*
FW/FO
FW/CO
SW/FO
SW/CO
Bile volume (mL kg fish)
Osmolality (mOsm kg
Taurochenodeoxycholate (n