

Table 3. Total fatty acid (FA) and long-chain fatty alcohol (FAIc) content ($\mu\text{g mg}^{-1}$) and composition (wt.%) of diets and faeces of Atlantic salmon freshwater pre-smolts and seawater post-smolts fed dietary fish oil or *Calanus* oil. Means of 3 replicates $\pm$ S.D.

	Content of dietary lipid ($\mu\text{g mg}^{-1}$)			Composition of dietary lipid (wt. %)			Composition of freshwater pre-smolt faeces (wt. %)			Composition of seawater post-smolt faeces (wt. %)		
	Fish oil		<i>Calanus oil</i>	Fish oil		<i>Calanus oil</i>	Fish oil		<i>Calanus oil</i>	Fish oil		<i>Calanus oil</i>
	FA	FA	FAIc	FA	FA	FAIc	FA	FA	FAIc	FA	FA	FAIc
14:0	45.6	64.1	3.6	5.1	12.2	1.4	6.7 $\pm$ 1.0	26.2 $\pm$ 0.8	0.2 $\pm$ 0.0	6.9 $\pm$ 0.3	25.2 $\pm$ 0.5	0.4 $\pm$ 0.1
16:0	124.0	73.7	26.7	13.9	14.0	10.4	28.4 $\pm$ 2.9	26.5 $\pm$ 0.2	2.9 $\pm$ 0.1	28.4 $\pm$ 1.7	21.9 $\pm$ 0.2	4.2 $\pm$ 0.2
18:0	19.8	7.6	1.8	2.2	1.4	0.7	6.0 $\pm$ 1.0	2.7 $\pm$ 0.1	0.3 $\pm$ 0.1	5.6 $\pm$ 0.3	2.1 $\pm$ 0.0	0.4 $\pm$ 0.1
16:1n-7	43.7	20.7	3.0	4.9	3.9	1.2	1.6 $\pm$ 0.2	1.2 $\pm$ 0.0	0.5 $\pm$ 0.1	1.7 $\pm$ 0.1	1.8 $\pm$ 0.1	0.5 $\pm$ 0.0
18:1n-9	115.1	44.1	8.5	12.9	8.4	3.3	7.0 $\pm$ 1.2	3.1 $\pm$ 0.2	1.6 $\pm$ 0.0	6.9 $\pm$ 0.3	4.1 $\pm$ 0.2	1.9 $\pm$ 0.1
18:1n-7	23.8	8.3	3.9	2.7	1.6	1.5	1.7 $\pm$ 0.2	0.8 $\pm$ 0.0	1.0 $\pm$ 0.1	2.0 $\pm$ 0.1	1.0 $\pm$ 0.1	1.2 $\pm$ 0.0
20:1n-9	86.3	37.9	74.1	9.7	7.2	29.0	8.3 $\pm$ 1.5	6.9 $\pm$ 0.3	27.7 $\pm$ 1.2	11.1 $\pm$ 0.5	8.1 $\pm$ 0.3	29.6 $\pm$ 0.2
20:1n-7	29.8	2.1	0.6	3.3	0.4	0.2	0.4 $\pm$ 0.1	0.3 $\pm$ 0.1	-	0.5 $\pm$ 0.0	0.3 $\pm$ 0.1	0.1 $\pm$ 0.0
22:1n-11	123.0	53.7	103.6	13.8	10.2	40.5	18.6 $\pm$ 3.7	14.8 $\pm$ 0.8	60.9 $\pm$ 1.3	21.8 $\pm$ 1.0	15.4 $\pm$ 0.4	55.5 $\pm$ 0.9
22:1n-9	8.9	4.1	3.0	1.0	0.8	1.2	2.1 $\pm$ 0.3	1.6 $\pm$ 0.1	-	2.2 $\pm$ 0.1	1.3 $\pm$ 0.0	-
24:1n-9	6.9	4.8	11.5	0.8	0.9	4.5	3.8 $\pm$ 0.3	2.7 $\pm$ 0.1	2.6 $\pm$ 0.2	2.7 $\pm$ 0.1	1.7 $\pm$ 0.1	3.0 $\pm$ 0.3
18:2n-6	17.9	15.8	6.1	2.0	3.0	2.4	3.3 $\pm$ 2.6	1.2 $\pm$ 0.0	1.0 $\pm$ 0.1	0.7 $\pm$ 0.0	1.1 $\pm$ 0.0	1.3 $\pm$ 0.1
20:4n-6	4.0	2.1	-	0.4	0.4	-	0.3 $\pm$ 0.0	0.1 $\pm$ 0.0	-	0.1 $\pm$ 0.0	0.1 $\pm$ 0.0	-
18:3n-3	9.9	17.2	9.4	1.1	3.3	3.7	0.5 $\pm$ 0.2	0.7 $\pm$ 0.0	1.4 $\pm$ 0.0	0.4 $\pm$ 0.1	1.1 $\pm$ 0.1	1.8 $\pm$ 0.1
18:4n-3	22.8	68.2	-	2.6	13.0	-	0.4 $\pm$ 0.2	1.1 $\pm$ 0.1	-	0.4 $\pm$ 0.0	2.3 $\pm$ 0.2	-
20:4n-3	6.0	6.2	-	0.7	1.2	-	0.1 $\pm$ 0.1	0.3 $\pm$ 0.0	-	0.1 $\pm$ 0.0	0.4 $\pm$ 0.0	-
20:5n-3	66.5	49.6	-	7.5	9.4	-	1.5 $\pm$ 0.2	1.3 $\pm$ 0.2	-	1.0 $\pm$ 0.1	1.9 $\pm$ 0.0	-
22:5n-3	6.9	2.8	-	0.8	0.5	-	0.3 $\pm$ 0.1	-	-	0.2 $\pm$ 0.1	-	-
22:6n-3	89.3	12.4	-	10.0	2.4	-	3.7 $\pm$ 0.2	3.1 $\pm$ 0.2	-	2.7 $\pm$ 0.1	4.7 $\pm$ 0.2	-
Σ SFA	199.4	156.4	32.2	22.4	29.8	12.6	43.5 $\pm$ 4.7	58.7 $\pm$ 0.8	3.4 $\pm$ 0.2	43.1 $\pm$ 2.3	51.9 $\pm$ 0.7	5.0 $\pm$ 0.3
Σ MUFA	451.4	184.6	208.3	50.7	35.2	81.4	44.6 $\pm$ 5.9	32.4 $\pm$ 1.0	94.2 $\pm$ 0.2	50.0 $\pm$ 2.1	34.9 $\pm$ 0.5	92.0 $\pm$ 0.5
Σ n-6 PUFA	28.8	23.4	6.1	3.2	4.5	2.4	4.0 $\pm$ 2.6	1.8 $\pm$ 0.1	1.0 $\pm$ 0.1	1.2 $\pm$ 0.1	2.1 $\pm$ 0.2	1.3 $\pm$ 0.1
Σ n-3 PUFA	203.4	157.1	9.4	22.8	29.9	3.7	6.6 $\pm$ 0.8	6.5 $\pm$ 0.6	1.4 $\pm$ 0.0	4.9 $\pm$ 0.2	10.5 $\pm$ 0.2	1.8 $\pm$ 0.1
Σ PUFA	239.1	183.9	15.5	26.9	35.0	6.1	10.8 $\pm$ 3.1	8.5 $\pm$ 0.1	2.4 $\pm$ 0.0	6.4 $\pm$ 0.2	12.7 $\pm$ 0.3	3.1 $\pm$ 0.2
TOTAL	889.9	524.9	256.0									