

Table S2. Gonadal mRNA levels of selected genes in immature females (IMF; n=4), immature males (IMM; n=6) and maturing males (MM-1, n=8; MM-2, n=6) Atlantic salmon.

Genes	mRNA uncorrected ^{1b}				mRNA corrected ^{1c}			
	IMF	IMM	MM-1	MM-2	IMF	IMM	MM-1	MM-2
<i>star</i>	0.01 ^a	1.00 ^c	0.13 ^b	0.13 ^{bc}	0.01 ^a	1.00 ^b	3.24 ^{bc}	6.97 ^c
<i>hsd3b</i>	1.03 ^b	1.00 ^b	0.19 ^a	0.11 ^a	1.39 ^{ab}	1.00 ^a	4.80 ^{ab}	5.70 ^b
<i>hsd11b</i>	0.20 ^a	1.00 ^b	0.21 ^a	0.15 ^a	0.27 ^a	1.00 ^a	4.96 ^b	7.31 ^b
<i>cyp11a (p450scc)</i>	0.09 ^a	1.00 ^b	0.19 ^a	0.16 ^a	0.12 ^a	1.00 ^b	4.88 ^c	8.89 ^c
<i>cyp11b (p450c11)</i>	0.23 ^b	1.00 ^c	0.12 ^a	0.08 ^a	0.31 ^a	1.00 ^{ab}	3.23 ^{bc}	4.65 ^c
<i>cyp17a (p450c17)</i>	0.32 ^{ab}	1.00 ^b	0.15 ^a	0.18 ^a	0.41 ^a	1.00 ^{ab}	4.23 ^b	11.40 ^c
<i>amh</i>	0.33 ^b	1.00 ^b	0.01 ^a	0.01 ^a	0.45 ^{ab}	1.00 ^b	0.28 ^a	0.49 ^{ab}
<i>acsl4</i>	8.90 ^c	1.00 ^a	4.01 ^b	3.46 ^b	12.38 ^b	1.00 ^a	113.83 ^c	168.12 ^c
<i>acot2</i>	2.92^b	1.00^a	0.98^a	1.42^{ab}	3.94^b	1.00^a	22.97^c	76.49^d
<i>lpl</i>	26.33^b	1.00^a	17.07^b	21.89^b	35.71^b	1.00^a	496.56^c	1155.72^c
<i>lipc (hsl)</i>	7.26 ^b	1.00 ^a	0.59 ^a	0.61 ^a	9.38 ^b	1.00 ^a	14.03 ^b	30.25 ^b
<i>cd36</i>	3.56 ^c	1.00 ^b	0.52 ^a	0.55 ^{ab}	4.68 ^b	1.00 ^a	13.89 ^{bc}	30.97 ^c
<i>fatp</i>	29.78 ^c	1.00 ^b	0.26 ^a	0.14 ^a	38.53 ^c	1.00 ^a	6.40 ^b	7.08 ^b
<i>fabp11</i>	0.65 ^b	1.00 ^b	0.26 ^a	0.30 ^a	0.88 ^a	1.00 ^a	6.53 ^b	13.13 ^b
<i>fads1 (Δ5 desaturase)</i>	0.52 ^{ab}	1.00 ^b	0.36 ^a	0.26 ^a	0.71 ^a	1.00 ^a	8.80 ^b	14.84 ^b
<i>fads2 (Δ6 desaturase)</i>	0.57 ^{ab}	1.00 ^b	0.39 ^a	0.33 ^a	0.79 ^a	1.00 ^a	10.41 ^b	18.52 ^b
<i>elovl2</i>	0.20^a	1.00^b	1.67^b	4.07^b	0.25^a	1.00^a	44.51^b	225.91^c
<i>elovl5a</i>	24.24 ^c	1.00 ^b	0.56 ^a	0.54 ^{ab}	31.84 ^b	1.00 ^a	14.71 ^b	23.85 ^b
<i>elovl5b</i>	18.11 ^c	1.00 ^b	0.29 ^a	0.44 ^{ab}	24.22 ^c	1.00 ^a	7.26 ^b	12.55 ^{bc}
<i>fasn (fas)</i>	45.00 ^b	1.00 ^a	1.31 ^a	1.35 ^a	60.96 ^b	1.00 ^a	36.70 ^b	63.83 ^b
<i>chpt1</i>	17.04 ^c	1.00 ^b	0.22 ^a	0.22 ^a	22.66 ^c	1.00 ^a	5.18 ^b	9.90 ^{bc}
<i>cept1</i>	10.89 ^b	1.00 ^a	0.65 ^a	0.59 ^a	14.08 ^b	1.00 ^a	17.37 ^b	29.35 ^b
<i>apoa1</i>	0.24 ^a	1.00 ^a	0.98 ^a	3.14 ^a	0.37 ^a	1.00 ^a	31.85 ^b	110.88 ^c
<i>apob</i>	57.14 ^b	1.00 ^a	0.72 ^a	2.28 ^a	85.24 ^c	1.00 ^a	23.38 ^b	74.24 ^c

¹ Mean qPCR quantity after normalization to *18s* (b) and correction to gonad mass/body weight (c), mean values for immature males set to 1.0 for both calculations. IMF=immature females; IMM=immature males; MM-1/-2= maturing males (1. GSI<5 and 2. GSI>5). Statistical analysis by 1-way ANOVA, followed by Tukey post hoc test were different letters denote significant differences (P<0.05) among groups.