

Supplementary Table 4: Lipid-normalised fatty acids (mg of fatty acids/g of total lipids) of muscle tissue from 2-year old diploid and triploid Atlantic salmon.

Content	Diploid	Triploid	P-value
14:0	25.95±0.86	17.32±1.48	P < 0.001
15:0	2.57±0.07	1.88±0.11	P < 0.001
16:0	121.28±2.33	98.33±2.15	P < 0.001
16:1n-9	1.85±0.06	1.36±0.07	P < 0.001
16:1n-7	32.77±1.01	22.32±1.85	P < 0.001
17:0	2.55±0.06	2.09±0.07	P < 0.001
17:1n-7	None detected	None detected	NA
18:0	25.50±0.55	21.96±0.58	P < 0.001
18:1n-9	0.58±0.02	0.56±0.18	P = 0.437
18:1n-9c	153.83±12.04	103.55±12.87	P = 0.372
18:2n-6t	0.24±0.01	0.25±0.03	P = 0.563
18:2n-6c (LIN)	55.03±1.43	45.82±2.86	P = 0.007
20:0	1.29±0.04	0.89±0.06	P < 0.001
18:3n-6	0.70±0.03	0.50±0.04	P = 0.031
20:1n-9	29.69±0.89	21.64±1.54	P < 0.001
18:3n-3 (ALA)	19.75±0.49	16.00±0.47	P = 0.003
21:0	0.18±0.01	0.09±0.01	P < 0.001
18:4n-3	7.82±0.23	5.91±0.50	P = 0.003
20:2n-6	6.60±0.19	4.81±0.24	P < 0.001
22:0	0.92±0.04	0.60±0.04	P < 0.001
20:3n-6	1.60±0.04	1.59±0.11	P = 0.683
22:1n-9	3.28±0.09	2.39±0.18	P < 0.001
20:3n-3	2.51±0.07	1.80±0.16	P = 0.015
20:4n-6	4.28±0.13	5.43±0.47	P = 0.036
23:0	0.59±0.01	0.75±0.04	P < 0.001
20:4n-3	4.28±0.20	5.43±0.23	P < 0.001
22:2n-6	1.35±0.04	0.93±0.08	P < 0.001
24:0	0.20±0.01	0.20±0.02	P = 0.741
20:5n-3 (EPA)	44.63±0.89	52.35±2.14	P = 0.003
24:1n-9	4.25±0.07	4.03±0.08	P = 0.028
22:3n-3	0.29±0.01	0.30±0.03	P = 0.947
22:4n-6	0.71±0.20	0.62±0.03	P = 0.003
22:5n-3	16.61±0.33	15.52±0.68	P = 0.106
22:6n-3 (DHA)	104.04±2.94	132.71±8.56	P = 0.006

Values are mean±S.E.