

**Table S1. Fatty acid composition of the experimental diets as analyzed, g/kg**

	<b>Ref0</b>	<b>KO1</b>	<b>KO2</b>	<b>KM1</b>	<b>KM2</b>	<b>RefHigh</b>
C12:0	0.14	0.15	0.14	0.20	0.19	0.15
C14:0	10.16	11.19	11.00	13.03	12.56	10.52
C15:0	0.78	0.83	0.85	0.80	0.85	0.81
C16:0	23.88	26.43	25.81	27.37	29.35	24.98
C16:1n7	6.68	7.56	7.33	8.23	8.42	7.07
C17:0	0.58	0.63	0.60	0.60	0.62	0.62
C18:0	4.02	4.32	4.37	4.02	4.50	4.26
C18:1n9t	0.18	0.18	0.20	0.21	0.19	0.18
C18:1n9c	48.86	56.02	54.23	50.11	59.91	54.27
C18:2n6c	18.91	20.37	20.38	19.10	21.63	20.57
C20:0	0.57	0.65	0.65	0.57	0.62	0.63
C18:3n6	0.43	0.49	0.47	0.45	0.53	0.48
C20:1	17.61	17.84	19.26	13.55	17.60	18.29
C18:3n3	7.22	7.98	7.73	7.36	8.60	7.88
C20:2n6	6.43	6.67	6.56	6.87	7.12	6.94
C20:3n6	0.09	0.12	0.12	0.11	0.12	0.12
C22:1n11	27.38	26.63	30.31	21.19	24.74	27.50
C22:1n9	1.16	1.23	1.31	1.21	1.40	1.28
C20:3n3	0.49	0.46	0.51	0.49	0.54	0.46
C20:4n6	0.66	0.71	0.75	0.61	0.75	0.69
C24:0	0.08	0.11	0.10	0.09	0.08	0.10
C20:5n3	10.26	12.32	11.71	11.79	14.46	11.27
C24:1	1.29	1.44	1.60	1.25	1.20	1.42
C22:5n3	1.29	1.34	1.51	1.17	1.44	1.38
C22:6n3	14.10	15.23	16.50	13.52	16.88	15.27
sumEPA+DHA	24.4	27.6	28.2	25.3	31.3	26.5
sum n-3	33.4	37.3	38.0	34.3	41.9	36.3
sum n-6	26.5	28.4	28.3	27.2	30.2	28.8
n-3/n-6	1.3	1.3	1.3	1.3	1.4	1.3
sum FA	203	221	224	204	234	217