

802 **Table 4.** Flesh concentrations (ng TEQ/kg wet weight) of dioxin and DL-PCB congeners in salmon at start of trial and after feeding northern
803 fish oil, decontaminated northern fish oil and southern fish oil, rapeseed oil and soybean oil diets for 11 weeks.

804 Congener/Diet	Initial	cNFO	deNFO	SFO/RO/SO
805 1234678-HpCDD	nd	nd	nd	nd
806 123478-HxCDD	0.002 ± 0.001	0.004 ± 0.002	0.002 ± 0.001	0.002 ± 0.001
807 123678-HxCDD	0.003 ± 0.002	0.008 ± 0.004	0.002 ± 0.001	0.002 ± 0.001
808 12378-PeCDD	0.034 ± 0.009 ^{ab}	0.363 ± 0.091 ^a	0.013 ± 0.004 ^b	0.030 ± 0.009 ^b
809 123789-HxCDD	0.002 ± 0.001	0.004 ± 0.002	0.003 ± 0.002	0.004 ± 0.002
810 2378-TCDD	0.023 ± 0.009 ^b	0.191 ± 0.016 ^a	0.013 ± 0.004 ^b	0.015 ± 0.007 ^b
811 Sum PCDD	0.065 ± 0.021^b	0.570 ± 0.086^a	0.030 ± 0.014^b	0.053 ± 0.018^b
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813 1234678-HpCDF	nd	nd	nd	nd
814 123478-HxCDF	0.001 ± 0.000 ^b	0.006 ± 0.003 ^a	0.001 ± 0.000 ^b	0.002 ± 0.001 ^b
815 1234789-HxCDF	nd	nd	nd	nd
816 123678-HxCDF	0.001 ± 0.000	0.006 ± 0.005	0.001 ± 0.000	0.002 ± 0.001
817 12378-PeCDF	0.003 ± 0.001 ^b	0.025 ± 0.013 ^a	0.002 ± 0.001 ^b	0.002 ± 0.001 ^b
818 123789-HxCDF	0.002 ± 0.001	0.003 ± 0.002	0.001 ± 0.000	0.002 ± 0.001
819 234678-HxCDF	0.002 ± 0.001 ^b	0.010 ± 0.003 ^a	0.001 ± 0.000 ^b	0.001 ± 0.000 ^b
820 23478-PeCDF	0.053 ± 0.014 ^b	1.017 ± 0.267 ^a	0.018 ± 0.001 ^b	0.026 ± 0.008 ^b
821 2378-TCDF	0.060 ± 0.018 ^b	0.420 ± 0.016 ^a	0.011 ± 0.003 ^c	0.013 ± 0.001 ^c
822 Sum PCDF	0.121 ± 0.027^b	1.483 ± 0.315^a	0.035 ± 0.006^b	0.046 ± 0.012^b
823				
824 PCB 105	0.035 ± 0.022 ^b	0.214 ± 0.033 ^a	0.015 ± 0.005 ^b	0.013 ± 0.002 ^b
825 PCB 114	0.007 ± 0.003 ^b	0.046 ± 0.007 ^a	0.003 ± 0.001 ^b	0.002 ± 0.001 ^b
826 PCB 118	0.079 ± 0.034 ^b	0.471 ± 0.040 ^a	0.033 ± 0.011 ^b	0.028 ± 0.002 ^b
827 PCB 123	0.001 ± 0.000 ^b	0.008 ± 0.001 ^a	nd	0.001 ± 0.001 ^b
828 PCB 156	0.047 ± 0.020 ^b	0.355 ± 0.035 ^a	0.031 ± 0.007 ^b	0.017 ± 0.002 ^b
829 PCB 157	0.014 ± 0.008 ^b	0.091 ± 0.010 ^a	0.011 ± 0.004 ^b	0.004 ± 0.001 ^b
830 PCB 167	nd	0.004 ± 0.001 ^a	nd	nd
831 PCB 189	0.001 ± 0.000 ^b	0.006 ± 0.001 ^a	0.002 ± 0.001 ^b	nd
832 Sum mono-				
833 ortho PCB	0.184 ± 0.086^b	1.195 ± 0.106^a	0.096 ± 0.027^b	0.066 ± 0.005^b

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835	PCB 77	0.001 ± 0.001 ^b	0.014 ± 0.002 ^a	nd	0.002 ± 0.001 ^b
836	PCB 81	nd	0.001 ± 0.000	0.001 ± 0.001	0.001 ± 0.000
837	PCB 126	0.718 ± 0.164 ^b	3.159 ± 0.177 ^a	0.195 ± 0.023 ^c	0.240 ± 0.045 ^c
838	PCB 169	0.008 ± 0.005 ^b	0.056 ± 0.009 ^a	0.002 ± 0.002 ^b	0.003 ± 0.001 ^b
839	Sum non-	0.726 ± 0.166^b	3.213 ± 0.187^a	0.202 ± 0.022^c	0.241 ± 0.042^c
840	ortho PCB				
841					
842	Sum dioxins	1.061 ± 0.154^b	6.421 ± 0.397^a	0.339 ± 0.044^c	0.406 ± 0.032^c
843	+ PCBs				

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845 cNFO, northern fish oil; deNFO, decontaminated northern fish oil; SFO/RO/SO, southern fish oil, rapeseed oil and soybean oil. Values are mean
846 ± SD, n =3. Values in the same row assigned a different superscript letter are significantly different (P < 0.05).
847 nd = not detected.

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