

Supple. Table 1 Skewness and Kurtosis of dioxin markers of paternal and maternal exposure (37 pairs)

	Paternal exposure (lognormal transformed data)						Maternal exposure (lognormal transformed data)					
	Min.	Max.	Mean	SD	Skewness	Kurtosis	Min.	Max.	Mean	SD	Skewness	Kurtosis
<i>PCDD congeners (pg/g lipid)</i>												
2,3,7,8-TCDD	0.18	2.57	0.89	0.43	1.70	5.49	-0.25	1.65	0.32	0.37	1.31	3.34
1,2,3,7,8-PeCDD	0.64	1.35	1.02	0.17	-0.18	-0.58	-0.06	0.69	0.40	0.16	-0.64	0.81
1,2,3,4,7,8-HxCDD	0.43	1.07	0.77	0.16	-0.29	-0.41	-0.29	0.49	0.11	0.20	0.06	-0.24
1,2,3,6,7,8-HxCDD	0.74	1.57	1.12	0.18	-0.02	0.37	0.24	1.08	0.54	0.20	0.64	0.07
1,2,3,7,8,9-HxCDD	0.43	1.50	0.83	0.22	0.60	1.47	-0.20	0.64	0.15	0.21	0.22	-0.35
1,2,3,4,6,7,8-HeptaCDD	0.97	2.47	1.52	0.28	0.89	2.93	0.37	1.35	0.86	0.22	-0.09	-0.37
OCDD	2.53	3.42	2.98	0.23	0.15	-0.75	1.04	2.26	1.78	0.26	-0.38	0.46
<i>PCDF congeners (pg/g lipid)</i>												
2,3,7,8-TCDF	0.17	1.00	0.63	0.20	-0.33	-0.31	-0.70	0.22	-0.20	0.24	0.03	-0.64
1,2,3,7,8-PeCDF	0.12	1.01	0.67	0.22	-0.76	0.11	-0.71	0.31	-0.15	0.24	-0.14	-0.45
2,3,4,7,8-PeCDF	0.82	1.34	1.13	0.13	-0.13	-0.44	0.12	0.96	0.46	0.16	1.05	2.29
1,2,3,4,7,8-HxCDF	0.86	1.48	1.18	0.16	-0.18	-0.23	0.21	1.30	0.69	0.21	0.73	2.03
1,2,3,6,7,8-HxCDF	0.46	1.28	1.02	0.17	-1.03	1.67	0.07	1.04	0.42	0.19	0.95	2.37
1,2,3,7,8,9-HxCDF	-0.03	1.83	0.56	0.31	1.73	7.00	-0.87	0.24	-0.28	0.27	-0.11	-0.43
2,3,4,6,7,8-HxCDF	0.10	0.99	0.59	0.20	-0.21	0.37	-0.56	0.34	-0.17	0.21	0.14	-0.04
1,2,3,4,6,7,8-HpCDF	0.72	1.70	1.14	0.19	0.17	0.86	-0.08	0.95	0.36	0.21	0.49	1.21
1,2,3,4,7,8,9-HpCDF	0.04	1.18	0.68	0.29	-0.21	0.13	-0.69	0.26	-0.26	0.27	0.26	-0.75
OCDF	0.35	1.33	1.01	0.22	-1.15	1.28	-0.46	0.96	0.21	0.33	-0.21	-0.20
<i>TEQs (pg-TEQ/g lipid)</i>												
TEQ-PCDDs	0.96	2.60	1.38	0.28	2.44	9.85	0.34	1.70	0.76	0.24	1.72	5.92
TEQ-PCDFs	0.70	1.15	0.93	0.11	-0.18	-0.52	0.01	0.76	0.28	0.16	1.36	3.12
TEQ-PCDD/Fs	1.16	2.60	1.52	0.24	2.70	11.55	0.52	1.75	0.89	0.21	2.06	7.30

Min.: minimum, Max.: maximum, SD: standard deviation

Suppl. Table 2 Correlation coefficients (Spearman's rho) between dioxin congeners and TEQs between maternal and paternal exposures (37 pairs).

Maternal exposure	Paternal exposure									
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	OCDD			
PCDD congeners	2,3,7,8-TCDD	-0.053	-0.029	0.246	0.050	0.050	0.107			
2,3,7,8-TCDD	0.157									
1,2,3,7,8-PeCDD	0.005	-0.048		-0.087	0.219	0.048	0.108	0.041		
1,2,3,4,7,8-HxCDD	0.070	0.088	-0.043		0.280	0.065	0.080	-0.133		
1,2,3,6,7,8-HxCDD	0.064	0.189	-0.087	0.392 *		-0.006	0.174	0.054		
1,2,3,7,8,9-HxCDD	-0.174	0.030	-0.086		0.176	-0.034	0.081	-0.082		
1,2,3,4,6,7,8-HpCDD	0.019	0.184	-0.075		0.322	-0.005	0.293	0.107		
OCDD	-0.020	-0.053	-0.290		0.031	-0.23	-0.128	-0.192		
PCDF congeners	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	OCDF
2,3,7,8-TCDF	-0.224	0.021		0.119	0.187	0.295	-0.100	0.107	0.237	0.055
1,2,3,7,8-PeCDF	-0.109	0.207		0.267	0.124	0.298	-0.039	0.143	0.162	-0.055
2,3,4,7,8-PeCDF	0.262	0.043	0.093		0.205	0.043	0.197	0.072	-0.042	0.468 **
1,2,3,4,7,8-HxCDF	-0.041	-0.259		-0.213	-0.092	-0.248	-0.094	-0.249	-0.046	0.18
1,2,3,6,7,8-HxCDF	-0.019	-0.149		-0.059	0.102	-0.110	-0.031	-0.151	-0.025	0.257
1,2,3,7,8,9-HxCDF	-0.08	0.293		0.181	0.042	0.076	-0.005	0.225	0.296	-0.035
2,3,4,6,7,8-HxCDF	-0.156	-0.079		0.197	0.213	0.150	-0.084	-0.028	0.035	-0.063
1,2,3,4,6,7,8-HpCDF	-0.007	-0.299		-0.229	-0.035	-0.215	-0.022	-0.27	-0.014	0.072
1,2,3,4,7,8,9-HpCDF	-0.070	0.252		0.013	-0.132	-0.049	0.019	0.109	0.221	-0.023
OCDF	0.018	0.226		0.041	0.01	0.024	0.061	0.091	0.332 *	-0.169
TEQs	TEQ-PCDDs	TEQ-PCDFs	TEQ-PCDD/Fs							0.166
TEQ-PCDDs	0.131	-0.128		0.09						
TEQ-PCDFs	0.108	0.035		0.131						
TEQ-PCDD/Fs	0.147	-0.052		0.123						