SUPPORTING INFORMATION

Polybrominated diphenyl ethers (PBDEs) in aborted human fetuses, and placental transfer during the first trimester of pregnancy

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	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
F-1	0.92	1.91	0.46	<LOD	0.46	<LOD	<LOD	1.23	3.66	8.63
F-2	0.53	1.64	0.47	<LOD	2.34	<LOD	0.29	1.52	6.50	13.30
F-3	2.17	4.00	1.14	0.41	1.24	<LOD	1.04	1.55	7.80	19.36
F-4	2.65	4.45	2.37	0.53	2.90	<LOD	<LOD	3.95	6.90	23.75
F-5	3.07	4.78	3.75	0.64	1.02	<LOD	0.64	3.31	7.70	24.90
F-6	3.75	4.09	1.02	1.02	5.51	0.58	0.73	3.05	6.80	26.53
F-7	2.77	5.13	1.32	0.66	3.17	<LOD	1.72	4.49	8.60	27.86
F-8	2.07	2.46	1.97	0.59	2.27	<LOD	1.08	6.70	10.80	27.94
F-9	3.22	4.16	1.34	1.07	3.22	<LOD	1.07	4.11	9.83	28.03
F-10	1.79	4.18	1.10	0.60	7.40	<LOD	1.29	2.89	10.00	29.25
F-11	2.15	3.27	1.03	0.47	2.99	<LOD	1.12	5.04	13.20	29.27
F-12	3.37	6.92	2.24	<LOD	1.12	<LOD	<LOD	6.17	9.85	29.68
F-13	4.52	6.28	3.01	<LOD	1.00	<LOD	<LOD	6.35	8.77	29.93
F-14	5.42	5.96	3.34	<LOD	5.86	1.11	<LOD	3.68	7.90	33.27
F-15	4.52	5.60	1.53	1.38	3.07	0.46	0.92	8.43	12.70	38.60
F-16	3.57	8.90	1.67	<LOD	4.52	<LOD	<LOD	9.76	12.80	41.22
F-17	4.10	4.42	2.87	0.96	4.83	0.68	3.82	7.02	12.60	41.30
F-18	7.24	10.69	2.59	1.85	3.33	<LOD	<LOD	5.80	10.40	41.89
F-19	3.76	5.10	4.13	1.83	6.42	0.46	2.29	5.96	12.10	42.06
F-20	5.45	7.81	3.42	0.85	2.28	0.85	1.71	7.35	12.75	42.48

Supporting Information, Table S1 (continued): PBDE concentrations in paired fetal, placental, and maternal blood samples [a] from aborted pregnant women living in Taizhou on wet weight basis (pg/g)[*].

	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
F-21	3.56	6.46	1.45	0.79	13.98	0.40	0.92	2.90	12.50	42.96
F-22	3.00	4.56	4.00	0.73	9.10	1.27	3.64	5.09	12.60	43.99
F-23	6.80	7.54	2.59	1.03	9.83	0.52	1.81	5.03	10.40	45.55
F-24	4.58	6.89	3.11	0.55	2.19	0.73	2.56	10.62	15.30	46.53
F-25	3.58	6.38	1.56	3.89	9.80	0.78	1.24	6.53	18.90	52.66
F-26	6.21	8.35	1.65	1.10	9.54	0.55	1.83	7.15	16.70	53.09
F-27	4.40	7.33	2.48	1.38	5.78	0.55	4.13	11.67	17.40	55.11
F-28	3.51	10.70	5.34	1.84	2.67	0.50	2.34	11.19	17.60	55.69
F-29	5.46	7.06	4.03	1.15	10.96	<LOD	4.19	9.20	16.30	58.35
F-30	4.53	8.36	4.26	1.99	9.94	1.14	3.41	11.64	18.20	63.47
F-31	5.95	12.14	2.67	0.85	12.06	0.94	<LOD	13.51	20.60	68.72
P-1	4.18	10.39	9.36	3.40	21.55	1.84	9.50	20.62	35.90	116.74
P-2	0.97	3.43	2.12	1.05	16.37	0.43	2.60	17.63	26.10	70.69
P-3	3.82	5.86	6.33	<LOD	3.26	0.61	2.55	9.01	19.30	50.73
P-4	2.82	8.65	1.24	1.05	11.07	<LOD	1.57	21.02	46.00	93.42
P-5	3.98	6.02	0.34	<LOD	1.68	<LOD	1.13	8.55	26.50	48.19
P-6	4.98	7.60	1.29	3.65	21.05	1.29	5.11	14.82	29.50	89.30
P-7	4.21	6.36	2.96	2.19	15.94	1.43	6.94	20.18	36.00	96.22
P-8	2.98	6.26	1.53	1.02	11.30	<LOD	3.90	13.03	23.40	63.42
P-9	6.93	7.74	9.30	5.09	23.47	1.85	3.32	27.87	35.70	121.27

Supporting Information, Table S1 (continued): PBDE concentrations in paired fetal, placental, and maternal blood samples [a] from aborted pregnant women living in Taizhou on wet weight basis (pg/g)[*].

	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
P-10	3.35	9.46	3.29	1.82	18.84	<LOD	4.23	18.09	30.80	89.87
P-11	4.25	8.28	2.03	1.25	9.51	0.62	2.50	15.90	23.10	67.44
P-12	3.59	7.24	1.23	0.65	14.79	<LOD	2.85	18.10	23.00	71.45
P-13	5.29	8.17	2.15	0.72	14.59	0.57	5.09	22.98	30.60	90.16
P-14	8.83	8.99	1.26	1.58	13.40	<LOD	7.88	10.39	22.70	75.03
P-15	6.05	7.56	1.59	1.70	6.00	0.64	2.57	9.97	20.20	56.28
P-16	4.67	10.73	1.52	2.90	17.90	0.83	2.62	10.31	43.00	94.47
P-17	5.01	6.76	1.10	0.92	9.46	<LOD	1.67	8.98	18.40	52.30
P-18	8.86	14.39	0.88	1.29	6.30	0.41	1.19	7.20	18.20	58.73
P-19	4.14	7.62	0.86	1.12	12.33	<LOD	4.31	21.84	33.10	85.32
P-20	8.26	9.58	1.93	1.18	17.93	0.54	3.65	19.54	32.80	95.41
P-21	3.68	7.98	2.22	2.38	22.44	1.51	3.59	30.89	42.00	116.69
P-22	3.67	5.24	2.14	2.39	25.29	1.31	17.65	21.01	39.00	117.70
P-23	8.77	11.07	3.67	2.06	23.56	1.22	4.70	16.15	29.30	100.50
P-24	4.98	8.01	1.19	0.63	12.75	<LOD	0.63	14.19	21.10	63.47
P-25	4.15	7.62	2.55	8.32	24.48	1.98	2.60	20.46	29.30	101.46
P-26	8.24	10.39	2.30	1.89	19.43	0.79	2.56	16.65	26.00	88.25
P-27	8.25	10.18	3.74	3.55	27.66	1.58	12.61	33.50	42.50	143.58
P-28	5.43	12.36	8.90	3.24	6.15	0.81	1.62	12.62	26.30	77.42
P-29	6.13	9.11	3.47	2.44	19.41	<LOD	10.10	20.92	32.10	103.68

Supporting Information, Table S1 (continued): PBDE concentrations in paired fetal, placental, and maternal blood samples [a] from aborted pregnant women living in Taizhou on wet weight basis (pg/g)[*].

	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
P-30	4.27	7.45	2.82	4.03	24.77	1.82	6.35	27.63	42.30	121.44
P-31	12.77	16.96	1.98	1.68	27.36	0.76	2.27	24.22	42.50	130.50
B-1	6.37	13.71	4.96	1.09	24.02	1.22	3.12	19.61	39.80	113.90
B-2	4.19	8.60	1.62	0.71	10.59	0.74	0.34	11.91	23.30	62.00
B-3	5.37	12.74	6.31	1.22	12.12	1.46	1.70	13.60	23.80	78.32
B-4	3.75	9.31	2.62	0.47	15.53	<LOD	1.69	9.40	20.30	63.07
B-5	3.60	10.95	1.75	0.44	17.50	0.25	0.76	16.21	32.80	84.25
B-6	6.84	8.11	3.56	0.87	13.99	1.02	1.96	7.42	23.81	67.58
B-7	6.74	11.83	3.92	1.10	18.32	1.08	1.41	19.51	27.50	91.41
B-8	4.67	7.37	2.58	0.96	9.80	0.86	0.56	10.85	21.40	59.05
B-9	5.25	9.46	2.72	0.67	10.72	0.87	1.36	6.42	24.10	61.57
B-10	7.69	15.31	1.94	0.00	14.20	0.35	3.00	10.51	20.40	73.40
B-11	5.74	10.61	4.90	1.29	11.53	1.79	0.69	10.32	23.20	70.07
B-12	5.31	12.98	4.38	2.77	13.98	0.34	1.49	12.81	24.50	78.57
B-13	6.51	9.46	2.58	0.17	11.22	1.21	<LOD	10.28	29.20	70.63
B-14	4.12	7.98	1.19	0.41	15.27	1.03	0.26	10.84	18.20	59.30
B-15	4.87	8.09	2.07	0.49	14.99	0.46	0.29	12.98	26.53	70.77
B-16	7.09	9.57	4.64	1.09	11.47	0.98	0.46	9.64	19.20	64.14
B-17	5.81	9.80	5.55	1.35	10.78	1.80	2.08	9.63	26.00	72.80
B-18	6.05	12.82	2.20	0.44	14.17	1.34	0.62	11.97	31.60	81.21

Supporting Information, Table S1 (continued): PBDE concentrations in paired fetal, placental, and maternal blood samples [a] from aborted pregnant women living in Taizhou on wet weight basis (pg/g)[*].

	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
B-19	6.83	14.91	5.14	1.44	17.31	1.92	1.23	19.48	25.30	93.56
B-20	5.75	14.77	3.72	0.21	19.02	2.03	2.31	22.26	34.06	104.14
B-21	7.23	12.06	8.29	3.03	16.92	0.79	3.11	10.74	21.20	83.37
B-22	3.06	11.04	1.58	0.23	15.24	<LOD	0.98	14.27	17.20	63.60
B-23	10.42	17.92	4.98	2.27	21.10	2.42	6.30	17.52	29.80	112.73
B-24	7.37	10.15	3.55	0.36	19.29	1.38	3.57	16.59	21.30	83.56
B-25	8.25	13.65	4.38	2.46	23.81	1.69	2.38	21.62	31.80	110.04
B-26	4.21	13.39	2.56	0.39	17.44	1.46	0.24	11.49	24.10	75.28
B-27	8.56	17.27	6.10	2.25	25.30	1.97	6.98	21.78	41.70	131.91
B-28	6.96	14.81	2.89	0.42	17.46	0.38	3.60	13.91	29.75	90.18
B-29	5.30	11.32	3.79	1.65	20.45	0.36	2.57	15.11	37.40	97.95
B-30	4.50	13.55	3.91	0.81	12.62	2.01	0.50	13.43	31.70	83.03
B-31	6.92	13.76	3.99	2.09	26.48	3.06	8.51	25.06	36.70	126.57
F-32	1.05	2.04	<LOD	<LOD	1.34	<LOD	0.65	4.23	8.53	17.84
F-33	1.82	3.77	1.68	<LOD	1.49	0.41	0.46	1.91	9.86	21.40
F-34	1.67	3.04	2.45	1.03	1.03	0.84	0.51	3.09	10.45	24.10
F-35	2.76	3.46	0.98	0.54	2.82	0.41	0.00	2.59	11.04	24.60
F-36	2.91	3.84	1.06	0.68	2.55	0.49	0.84	2.68	10.68	25.72
F-37	2.33	3.76	0.54	<LOD	2.62	0.32	0.78	5.47	10.04	25.86
F-38	4.81	6.73	1.78	0.64	4.21	0.58	1.95	10.37	18.46	49.53

Supporting Information, Table S1 (continued): PBDE concentrations in paired fetal, placental, and maternal blood samples [a] from aborted pregnant women living in Taizhou on wet weight basis (pg/g)[*].

	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
F-39	1.62	2.08	1.62	<LOD	2.66	0.37	0.83	2.29	4.18	15.66
F-40	2.09	3.89	0.64	<LOD	3.48	0.44	0.65	4.79	13.14	29.12
F-41	3.10	4.52	1.00	0.45	1.50	0.32	0.65	2.75	14.27	28.56
F-42	2.62	3.85	0.75	<LOD	2.83	<LOD	0.71	6.89	10.21	27.86
F-43	3.72	4.91	1.67	1.04	6.24	0.59	1.04	4.46	13.60	37.27
F-44	4.25	5.48	1.86	<LOD	2.50	0.25	0.96	7.49	11.69	34.48
F-45	2.25	3.89	0.89	<LOD	8.50	<LOD	2.25	6.07	13.08	36.94
F-46	2.36	2.78	1.07	0.86	10.96	0.75	1.71	7.18	17.11	44.78
F-47	3.53	4.43	2.27	0.54	4.99	0.47	2.98	10.89	17.52	47.62
F-48	5.97	7.22	1.67	0.52	5.25	0.42	2.10	10.49	17.53	51.17
F-49	4.04	8.12	2.76	0.94	5.13	0.56	3.92	14.79	25.32	65.58
F-50	3.23	3.80	1.09	0.69	3.86	0.50	2.55	11.82	19.64	47.18
F-51	5.93	12.46	1.34	1.03	4.94	1.02	2.35	1.73	20.13	50.93
F-52	2.90	7.16	1.97	<LOD	3.32	0.42	2.07	9.95	20.33	48.12
F-53	4.04	5.88	1.89	<LOD	7.17	0.64	8.64	9.03	21.60	58.89
F-54	2.35	3.79	1.27	<LOD	2.71	0.64	2.89	8.48	17.10	39.22
F-55	2.82	4.62	1.03	0.71	4.40	0.37	2.34	4.10	15.64	36.04
F-56	3.06	4.26	1.59	1.39	13.55	0.63	1.65	18.47	23.32	67.91
F-57	6.46	7.62	0.59	0.59	8.22	<LOD	2.52	10.57	28.84	65.42
F-58	6.44	10.22	2.13	1.03	5.27	0.34	3.10	5.85	18.91	53.29

Supporting Information, Table S1 (continued): PBDE concentrations in paired fetal, placental, and maternal blood samples [a] from aborted pregnant women living in Taizhou on wet weight basis (pg/g)[*].

	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
F-59	2.98	9.45	1.45	0.89	5.48	<LOD	1.20	3.48	20.00	44.93
F-60	6.20	8.07	1.79	0.45	17.20	0.81	7.65	17.93	29.66	89.75
F-61	10.09	15.03	7.65	1.85	25.56	0.85	4.62	35.26	52.37	153.28
F-62	5.96	14.40	3.25	1.40	9.43	1.02	5.96	16.80	28.54	86.76
F-63	12.13	15.26	4.75	1.33	18.33	1.86	8.44	17.15	27.34	106.59
F-64	4.56	6.12	1.52	1.06	23.12	0.96	4.20	15.24	34.24	91.03
F-65	9.97	20.96	9.89	2.34	41.96	3.89	8.74	51.94	75.59	225.28
P-32	1.84	2.82	0.45	<LOD	3.96	<LOD	1.71	15.28	26.68	52.73
P-33	3.12	4.30	2.43	1.01	5.48	0.84	2.57	8.00	68.04	95.79
P-34	11.17	23.00	6.41	3.29	36.47	5.91	27.93	43.53	74.21	231.91
P-35	4.96	8.20	2.43	1.54	10.88	0.85	1.54	13.14	49.50	93.05
P-36	4.72	6.30	1.83	1.27	11.99	1.11	3.48	13.32	42.10	86.12
P-37	3.45	5.22	1.45	0.63	7.38	0.63	2.35	22.46	45.29	88.88
P-38	5.57	10.58	3.44	1.44	17.83	1.13	3.27	18.32	36.67	98.25
P-39	3.96	6.30	2.96	1.59	11.24	0.88	1.59	13.57	41.76	83.84
P-40	3.88	7.22	1.95	1.25	13.33	0.86	2.53	14.97	32.04	78.04
P-41	3.58	6.84	1.66	0.71	9.02	0.76	3.02	8.67	25.22	59.47
P-42	3.54	4.06	1.31	0.57	5.39	0.57	1.45	15.40	20.71	53.01
P-43	5.01	11.82	2.58	2.39	36.63	1.84	3.28	26.62	67.99	158.16
P-44	7.65	11.98	3.42	0.68	8.28	0.63	2.12	21.69	25.21	81.66

Supporting Information, Table S1 (continued): PBDE concentrations in paired fetal, placental, and maternal blood samples [a] from aborted pregnant women living in Taizhou on wet weight basis (pg/g)[*].

	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
P-45	2.65	4.26	1.63	0.51	13.20	2.32	4.09	12.23	21.41	62.30
P-46	4.52	7.71	5.61	1.49	20.03	1.34	4.22	19.82	32.18	96.92
P-47	4.68	8.53	4.56	0.97	11.69	1.19	4.78	25.26	32.52	94.18
P-48	6.62	8.08	2.47	0.94	10.56	0.84	3.14	31.15	48.78	112.57
P-49	5.45	9.62	3.60	1.70	11.96	1.52	7.18	20.31	37.08	98.43
P-50	4.10	7.88	2.56	1.07	12.24	1.35	4.11	26.82	40.88	101.02
P-51	7.99	20.47	2.61	2.14	49.26	3.10	6.77	24.55	54.19	171.09
P-52	6.42	9.51	2.32	0.75	11.90	0.97	4.16	25.15	50.46	111.63
P-53	6.94	13.29	4.41	0.85	25.25	1.15	20.09	69.16	158.33	299.47
P-54	6.31	12.29	2.47	0.68	14.88	1.56	14.67	26.43	40.78	120.06
P-55	3.87	7.63	2.38	1.05	20.08	0.86	3.88	17.45	32.60	89.81
P-56	4.49	8.66	3.16	2.47	12.39	0.95	3.30	14.32	20.72	70.47
P-57	7.94	11.51	3.68	1.24	24.15	1.27	4.21	29.86	37.89	121.74
P-58	10.57	13.70	3.98	2.55	12.31	1.53	5.76	14.56	38.22	103.18
P-59	5.26	12.78	2.67	1.92	11.27	0.58	3.34	15.28	40.21	93.32
P-60	6.68	10.19	6.20	2.23	20.01	1.71	11.07	20.83	40.50	119.42
P-61	12.76	17.26	9.69	5.58	33.34	2.86	9.56	57.56	92.68	241.29
P-62	7.03	18.74	10.84	2.83	29.38	2.06	10.12	26.29	49.53	156.82
P-63	13.27	18.90	10.84	2.90	24.79	3.11	11.43	23.41	49.94	158.59
P-64	5.82	8.58	3.18	2.94	30.55	2.47	7.40	20.57	38.95	120.45

Supporting Information, Table S1 (continued): PBDE concentrations in paired fetal, placental, and maternal blood samples [a] from aborted pregnant women living in Taizhou on wet weight basis (pg/g)[*].

	BDE 28	BDE 47	BDE 99	BDE 100	BDE 153	BDE 154	BDE 183	BDE 197	BDE 209	∑PBDEs
P-65	11.61	22.34	10.07	9.95	55.99	13.95	32.49	86.57	120.03	363.00

[a] F=Paired Fetuses (n=65) P=Paired Placentae (n=65) B=Paired Maternal Blood (n=31)

[*] The lipid weight of paired fetal samples ranged from 0.53%-2.17%, the mean ± SD was 1.07% ± 0.27%.
The lipid weight of paired placental samples ranged from 0.87%-2.04%, the mean ± SD was 1.38% ± 0.17%.
The lipid weight of paired blood samples ranged from 0.40%-0.70%, the mean ± SD was 0.55% ± 0.10%.