

Supplementary materials

Table S1. Bioaccumulation results (mean \pm dev. std.) of metals (As, Ba, Cd, Cr, Fe) in *R. philippinarum*

Phase	Month	Sample	As		Ba		Cd		Cr		Fe	
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AO	Nov '05	L016V	7.61	\pm 1.16	6.23	\pm 0.77	0.67	\pm 0.08	4.97	\pm 0.96	1099.80	\pm 139.93
		L017V	14.58	\pm 0.43	13.27	\pm 0.58	0.95	\pm 0.13	10.80	\pm 1.61	1529.15	\pm 189.73
		L022V	14.04	\pm 1.92	18.68	\pm 1.96	1.21	\pm 0.14	10.75	\pm 1.28	1365.77	\pm 266.24
		L023V	18.36	\pm 2.35	16.84	\pm 1.82	1.40	\pm 0.19	11.12	\pm 1.26	1722.59	\pm 276.30
	Feb '06	L016V	14.50	\pm 0.96	8.01	\pm 1.37	1.15	\pm 0.24	4.35	\pm 0.60	936.13	\pm 127.74
		L017V	10.13	\pm 0.88	8.75	\pm 1.08	0.67	\pm 0.14	4.57	\pm 0.78	1151.70	\pm 47.76
		L022V	38.30	\pm 5.21	7.23	\pm 1.49	0.92	\pm 0.13	3.72	\pm 0.66	954.13	\pm 148.50
		L023V	25.05	\pm 4.67	5.14	\pm 1.00	0.98	\pm 0.17	3.79	\pm 0.72	847.13	\pm 148.51
	Apr '06	L016V	5.63	\pm 1.09	4.31	\pm 0.95	0.37	\pm 0.05	3.90	\pm 0.80	648.46	\pm 130.67
		L017V	7.99	\pm 1.54	<2		0.45	\pm 0.02	2.96	\pm 0.59	480.31	\pm 84.62
		L022V	10.74	\pm 1.66	<2		0.47	\pm 0.06	2.97	\pm 0.39	334.89	\pm 40.62
		L023V	6.36	\pm 1.27	<2		0.36	\pm 0.07	7.44	\pm 1.34	588.49	\pm 120.48
	Jul '06	L016V	8.40	\pm 2.14	2.61	\pm 0.43	0.48	\pm 0.05	4.03	\pm 0.74	927.14	\pm 172.33
		L017V	<2		<2		0.43	\pm 0.07	2.80	\pm 0.65	623.16	\pm 132.93
		L022V	14.34	\pm 0.56	<2		0.58	\pm 0.06	3.28	\pm 0.46	757.62	\pm 184.64
		L023V	10.20	\pm 0.92	<2		0.56	\pm 0.01	2.23	\pm 0.43	467.89	\pm 74.20
IO	Nov '06	L016V	27.04	\pm 2.44	2.29	\pm 0.16	0.56	\pm 0.06	3.58	\pm 0.41	897.44	\pm 51.59
		L017V	23.58	\pm 2.97	5.57	\pm 0.57	0.44	\pm 0.06	6.38	\pm 0.70	1562.49	\pm 172.45
		L022V	19.35	\pm 0.86	4.23	\pm 0.45	0.59	\pm 0.06	5.59	\pm 0.64	1509.42	\pm 157.52
		L023V	28.55	\pm 2.83	2.91	\pm 0.27	0.64	\pm 0.07	3.06	\pm 0.21	963.74	\pm 119.92
	Feb '07	L016V	17.22	\pm 1.59	7.58	\pm 0.59	0.97	\pm 0.09	6.36	\pm 0.71	1748.92	\pm 226.59
		L017V	22.94	\pm 1.63	5.52	\pm 0.64	1.08	\pm 0.08	5.19	\pm 0.54	1357.47	\pm 144.82
		L022V	16.85	\pm 1.16	4.90	\pm 0.22	1.07	\pm 0.13	6.34	\pm 0.60	1515.35	\pm 163.23
		L023V	13.92	\pm 1.31	2.02	\pm 0.18	0.82	\pm 0.07	5.14	\pm 0.29	1506.79	\pm 151.17
	Jun '08	L016V	16.67	\pm 3.23	4.74	\pm 1.55	0.03	\pm 0.01	3.52	\pm 0.54	685.49	\pm 153.30
		L017V	8.38	\pm 8.72	4.92	\pm 0.79	0.03	\pm 0.01	4.55	\pm 0.62	978.10	\pm 154.34
		L022V	21.05	\pm 0.43	3.32	\pm 0.21	0.04	\pm 0.01	5.03	\pm 0.34	1025.91	\pm 76.70
		L023V	15.22	\pm 2.37	4.76	\pm 0.27	0.03	\pm 0.01	4.00	\pm 0.27	966.90	\pm 34.47
	Nov '08	L016V	5.55	\pm 0.30	4.53	\pm 0.44	0.34	\pm 0.04	4.02	\pm 0.62	794.52	\pm 90.60
		L017V	5.04	\pm 0.37	3.97	\pm 0.38	0.32	\pm 0.03	1.50	\pm 0.15	531.91	\pm 55.48
		L022V	5.63	\pm 0.24	6.43	\pm 0.75	0.48	\pm 0.05	3.80	\pm 0.43	892.69	\pm 92.49
		L023V	5.12	\pm 0.35	5.49	\pm 0.49	0.34	\pm 0.04	2.84	\pm 0.29	716.00	\pm 69.16
PO	Nov '10	L016V	30.70	\pm 1.55	<2		0.85	\pm 0.10	<1		784.82	\pm 82.03
		L017V	21.02	\pm 0.80	<2		0.67	\pm 0.07	5.96	\pm 0.65	1058.65	\pm 120.87
		L022V	30.02	\pm 3.15	7.22	\pm 0.97	0.69	\pm 0.06	<1		1108.11	\pm 127.68
		L023V	29.19	\pm 1.42	5.14	\pm 0.12	0.57	\pm 0.06	<1		703.80	\pm 81.49
	Jun '11	L016V	25.12	\pm 3.17	<2		0.65	\pm 0.00	4.23	\pm 0.80	1157.52	\pm 218.05
		L017V	21.52	\pm 2.09	<2		0.57	\pm 0.12	<1		764.94	\pm 98.04
		L022V	20.77	\pm 2.14	<2		0.50	\pm 0.05	<1		686.10	\pm 32.08

	L023V	22.74	\pm	2.28	<2	0.50	\pm	0.10	<1	366.97	\pm	58.10	
Nov '11	L016V	54.40	\pm	9.55	8.03	\pm	0.85	0.36	\pm	0.05	13.87	\pm	1.78
	L017V	23.93	\pm	1.39	5.99	\pm	0.51	0.60	\pm	0.04	10.04	\pm	0.30
	L022V	39.38	\pm	2.06	10.72	\pm	1.32	0.57	\pm	0.08	11.71	\pm	0.92
	L023V	22.50	\pm	2.36	13.02	\pm	2.86	0.13	\pm	0.02	11.89	\pm	1.57
Jun '12	L016V	6.49	\pm	1.87	4.62	\pm	0.33	0.66	\pm	0.08	4.12	\pm	0.59
	L017V	10.48	\pm	0.77	3.93	\pm	0.61	0.48	\pm	0.05	7.66	\pm	2.95
	L022V	13.96	\pm	2.27	<2			0.36	\pm	0.04	<1		143.46
	L023V	15.40	\pm	2.14	<2			0.49	\pm	0.14	<1		212.42
Nov '12	L016V	36.48	\pm	15.20	3.03	\pm	0.56	0.92	\pm	0.14	<1		422.28
	L017V	44.08	\pm	2.27	2.75	\pm	0.14	1.02	\pm	0.19	<1		648.32
	L022V	48.42	\pm	10.64	<2			0.98	\pm	0.26	<1		383.83
	L023V	31.18	\pm	1.95	<2			0.81	\pm	0.33	<1		250.44
May '13	L016V	15.71	\pm	0.91	2.41	\pm	0.23	0.51	\pm	0.05	2.66	\pm	0.34
	L017V	15.21	\pm	2.08	2.40	\pm	0.26	0.66	\pm	0.11	2.06	\pm	0.12
	L022V	13.01	\pm	1.68	<2			0.44	\pm	0.04	<1		259.21
	L023V	10.25	\pm	0.90	<2			0.38	\pm	0.05	<1		90.50
Nov '13	L016V	17.23	\pm	3.23	9.14	\pm	1.73	0.58	\pm	0.02	5.89	\pm	1.13
	L017V	22.07	\pm	0.62	7.66	\pm	0.68	0.74	\pm	0.06	15.73	\pm	5.06
	L022V	15.43	\pm	0.85	8.07	\pm	2.62	0.44	\pm	0.10	8.10	\pm	0.79
	L023V	17.97	\pm	1.65	6.74	\pm	1.01	0.39	\pm	0.03	7.63	\pm	1.09
Jun '14	L016V	17.34	\pm	1.13	0.96	\pm	0.26	0.57	\pm	0.03	0.59	\pm	0.08
	L017V	21.04	\pm	2.43	0.70	\pm	0.22	0.49	\pm	0.03	0.37	\pm	0.02
	L022V	15.46	\pm	1.68	0.92	\pm	0.05	0.67	\pm	0.11	0.59	\pm	0.13
	L023V	1.51	\pm	0.12	0.85	\pm	0.09	0.49	\pm	0.02	0.58	\pm	0.15
Oct '14	L016V	27.59	\pm	0.40	2.69	\pm	0.30	0.61	\pm	0.04	4.56	\pm	0.64
	L017V	22.23	\pm	1.32	2.74	\pm	0.05	0.49	\pm	0.01	3.06	\pm	0.28
	L022V	26.03	\pm	2.80	3.59	\pm	0.62	0.62	\pm	0.00	3.16	\pm	0.45
	L023V	24.41	\pm	2.56	3.49	\pm	0.24	0.59	\pm	0.03	3.72	\pm	0.21
Jun '15	L016V	9.51	\pm	0.56	3.77	\pm	0.35	0.50	\pm	0.01	1.37	\pm	0.03
	L017V	16.45	\pm	1.60	3.10	\pm	0.34	0.49	\pm	0.06	2.13	\pm	0.61
	L022V	15.04	\pm	0.87	3.86	\pm	0.62	0.72	\pm	0.11	1.79	\pm	0.28
	L023V	13.22	\pm	1.87	3.78	\pm	0.38	0.73	\pm	0.11	1.66	\pm	0.22

Table S2. Bioaccumulation results (mean \pm dev. std.) of metals (Mn, Hg, Ni, Pb, Cu, Zn) in *R. philippinum*

Phase	Month	Sample	Mn		Hg		Ni		Pb		Cu		Zn	
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AO	Nov '05	L016V	29.83	\pm 2.45	0.15	\pm 0.012	8.85	\pm 0.91	1.69	\pm 0.21	6.18	\pm 0.70	56.53	\pm 6.29
		L017V	35.03	\pm 4.26	0.17	\pm 0.002	9.10	\pm 0.21	2.03	\pm 0.18	10.13	\pm 0.37	80.13	\pm 9.85
		L022V	35.46	\pm 7.05	0.17	\pm 0.025	11.52	\pm 2.17	1.14	\pm 0.11	12.94	\pm 2.01	83.00	\pm 6.34
		L023V	52.90	\pm 7.49	0.21	\pm 0.025	12.35	\pm 2.04	1.35	\pm 0.08	13.23	\pm 1.95	90.91	\pm 10.93
	Feb '06	L016V	26.41	\pm 3.54	0.16	\pm 0.016	10.92	\pm 0.93	0.73	\pm 0.07	10.29	\pm 0.49	83.66	\pm 3.22
		L017V	35.92	\pm 3.15	0.14	\pm 0.028	9.60	\pm 0.92	0.90	\pm 0.17	11.54	\pm 1.22	81.12	\pm 8.53
		L022V	31.64	\pm 7.27	0.24	\pm 0.046	13.11	\pm 1.69	<0.05		9.86	\pm 0.65	78.10	\pm 1.70
		L023V	28.04	\pm 4.31	0.17	\pm 0.034	10.20	\pm 1.56	0.68	\pm 0.12	9.62	\pm 0.50	76.13	\pm 3.83
IO	Apr '06	L016V	24.47	\pm 4.50	0.11	\pm 0.017	4.98	\pm 0.99	0.96	\pm 0.19	5.63	\pm 0.73	59.73	\pm 8.65
		L017V	20.51	\pm 4.15	0.14	\pm 0.008	4.54	\pm 0.46	0.90	\pm 0.18	5.89	\pm 0.16	68.48	\pm 3.19
		L022V	11.48	\pm 0.96	0.11	\pm 0.009	5.56	\pm 0.64	0.70	\pm 0.02	5.28	\pm 0.37	63.75	\pm 6.46
		L023V	19.52	\pm 3.48	0.10	\pm 0.001	6.10	\pm 1.19	0.76	\pm 0.09	6.12	\pm 0.08	65.86	\pm 6.41
	Jul '06	L016V	36.56	\pm 4.26	0.10	\pm 0.005	8.09	\pm 0.61	1.09	\pm 0.13	7.96	\pm 0.64	70.62	\pm 7.98
		L017V	35.63	\pm 8.12	0.09	\pm 0.011	6.15	\pm 0.59	0.92	\pm 0.21	7.79	\pm 0.51	73.30	\pm 4.50
		L022V	26.10	\pm 4.63	0.16	\pm 0.037	7.84	\pm 0.38	0.95	\pm 0.17	7.91	\pm 1.19	65.00	\pm 5.64
		L023V	23.85	\pm 3.56	0.10	\pm 0.018	6.48	\pm 0.79	0.94	\pm 0.13	8.41	\pm 0.90	80.61	\pm 2.75
PO	Nov '06	L016V	23.97	\pm 0.90	0.12	\pm 0.016	7.99	\pm 0.69	16.91	\pm 1.70	6.82	\pm 0.67	71.71	\pm 5.16
		L017V	39.78	\pm 3.95	0.08	\pm 0.007	6.46	\pm 0.53	24.48	\pm 2.76	7.78	\pm 0.39	70.90	\pm 3.92
		L022V	43.97	\pm 5.00	0.12	\pm 0.005	10.07	\pm 0.53	24.07	\pm 2.07	9.14	\pm 0.76	79.55	\pm 3.32
		L023V	29.58	\pm 2.47	0.16	\pm 0.013	8.29	\pm 0.95	23.72	\pm 1.81	8.81	\pm 0.74	79.26	\pm 3.30
	Jun '08	L016V	51.20	\pm 6.10	0.21	\pm 0.019	11.43	\pm 0.60	1.88	\pm 0.18	11.79	\pm 1.29	88.74	\pm 5.64
		L017V	35.25	\pm 3.78	0.19	\pm 0.016	8.82	\pm 0.94	1.90	\pm 0.20	10.76	\pm 0.21	87.06	\pm 4.41
		L022V	37.62	\pm 4.28	0.22	\pm 0.027	11.56	\pm 1.04	2.02	\pm 0.18	11.89	\pm 0.81	83.79	\pm 4.38
		L023V	35.51	\pm 3.19	0.23	\pm 0.013	9.09	\pm 0.92	0.97	\pm 0.05	8.41	\pm 0.76	79.10	\pm 3.72
NO	Jun '08	L016V	29.16	\pm 5.00	0.13	\pm 0.026	11.66	\pm 1.40	1.73	\pm 0.31	8.63	\pm 0.13	97.61	\pm 14.68
		L017V	33.02	\pm 3.70	0.13	\pm 0.009	7.05	\pm 0.64	2.11	\pm 0.30	8.05	\pm 0.21	102.57	\pm 6.48
		L022V	36.41	\pm 3.05	0.16	\pm 0.014	12.64	\pm 1.07	1.96	\pm 0.20	9.54	\pm 0.25	96.65	\pm 9.02
		L023V	36.17	\pm 1.10	0.10	\pm 0.032	8.17	\pm 0.82	1.23	\pm 0.53	8.68	\pm 0.28	90.66	\pm 16.08
	Nov '08	L016V	21.06	\pm 1.84	0.13	\pm 0.012	11.64	\pm 0.20	1.38	\pm 0.15	10.52	\pm 0.44	94.70	\pm 1.70
		L017V	18.30	\pm 1.44	0.08	\pm 0.005	7.34	\pm 1.01	0.76	\pm 0.01	9.10	\pm 0.29	85.57	\pm 7.58
		L022V	23.87	\pm 1.32	0.14	\pm 0.009	11.61	\pm 0.65	1.07	\pm 0.08	10.86	\pm 0.83	98.73	\pm 7.72
		L023V	21.44	\pm 2.09	0.08	\pm 0.003	11.52	\pm 1.31	0.82	\pm 0.08	10.19	\pm 0.37	106.30	\pm 9.02
PO	Jun '11	L016V	19.91	\pm 1.48			12.49	\pm 0.68	7.06	\pm 0.84	10.08	\pm 0.60	107.97	\pm 10.12
		L017V	23.34	\pm 1.67			8.91	\pm 0.59	9.49	\pm 1.11	10.53	\pm 1.20	92.08	\pm 8.10
		L022V	31.25	\pm 5.68			14.91	\pm 1.08	11.85	\pm 1.38	14.04	\pm 1.59	115.03	\pm 12.87
		L023V	21.87	\pm 2.57			13.32	\pm 1.40	10.60	\pm 0.83	13.34	\pm 0.72	105.60	\pm 1.77
	Nov '11	L016V	27.09	\pm 4.44	0.08	\pm 0.010	6.88	\pm 0.58	1.10	\pm 0.04	10.24	\pm 0.92	87.28	\pm 7.82
		L017V	14.60	\pm 1.91	0.10	\pm 0.008	6.95	\pm 0.79	1.29	\pm 0.29	8.74	\pm 1.20	92.51	\pm 8.93
		L022V	15.46	\pm 3.25	0.11	\pm 0.015	6.78	\pm 1.17	0.88	\pm 0.04	9.63	\pm 0.56	83.85	\pm 12.75
		L023V	14.19	\pm 2.11	0.06	\pm 0.014	5.97	\pm 0.70	0.83	\pm 0.07	10.80	\pm 0.38	94.70	\pm 8.52
PO	Nov '11	L016V	33.58	\pm 4.38	0.13	\pm 0.016	3.58	\pm 0.55	1.24	\pm 0.20	11.82	\pm 2.21	115.53	\pm 5.11

	L017V	26.57	\pm	4.77	0.15	\pm	0.003	3.09	\pm	0.55	1.39	\pm	0.14	12.44	\pm	1.23	104.36	\pm	1.24
	L022V	45.74	\pm	9.55	0.13	\pm	0.002	5.11	\pm	0.71	1.49	\pm	0.26	15.36	\pm	1.48	97.08	\pm	11.40
	L023V	50.18	\pm	2.75	0.11	\pm	0.008	5.27	\pm	0.25	1.52	\pm	0.18	13.93	\pm	0.14	108.08	\pm	13.59
Jun '12	L016V	28.65	\pm	2.90	0.11	\pm	0.018	8.23	\pm	0.43	0.33	\pm	0.02	10.20	\pm	0.85	88.72	\pm	6.13
	L017V	21.97	\pm	6.07	0.16	\pm	0.047	9.01	\pm	4.49	0.37	\pm	0.09	8.84	\pm	0.78	111.20	\pm	23.58
	L022V	7.49	\pm	1.97	0.18	\pm	0.022	4.94	\pm	0.44	0.11	\pm	0.02	9.15	\pm	0.36	87.48	\pm	8.68
	L023V	8.82	\pm	2.94	0.12	\pm	0.007	5.67	\pm	0.05	0.03	\pm	0	8.48	\pm	0.32	85.30	\pm	3.36
Nov '12	L016V	6.92	\pm	0.28	0.31	\pm	0.026	9.16	\pm	2.29	0.37	\pm	0.03	10.59	\pm	5.24	82.74	\pm	1.33
	L017V	3.66	\pm	0.14	0.25	\pm	0.017	8.66	\pm	1.25	0.43	\pm	0.09	8.11	\pm	0.89	98.09	\pm	6.73
	L022V	9.49	\pm	3.32	0.26	\pm	0.038	10.81	\pm	0.42	0.46	\pm	0.06	11.85	\pm	1.55	85.13	\pm	6.75
	L023V	4.92	\pm	0.62	0.27	\pm	0.042	10.86	\pm	1.13	0.36	\pm	0.11	9.18	\pm	1.10	87.64	\pm	9.18
May '13	L016V	12.80	\pm	1.54	0.15	\pm	0.013	7.72	\pm	1.01	0.12	\pm	0.02	7.06	\pm	0.75	73.50	\pm	2.87
	L017V	10.74	\pm	1.00	0.13	\pm	0.007	6.50	\pm	0.28	0.29	\pm	0.02	7.43	\pm	0.70	85.38	\pm	3.59
	L022V	4.53	\pm	0.64	0.13	\pm	0.014	5.63	\pm	0.66	0.15	\pm	0.02	7.83	\pm	0.34	77.98	\pm	6.96
	L023V	3.93	\pm	0.42	0.15	\pm	0.015	6.01	\pm	0.52	0.12	\pm	0.02	7.77	\pm	0.94	74.89	\pm	3.27
Nov '13	L016V	44.25	\pm	8.13	0.14	\pm	0.016	12.56	\pm	4.03	1.09	\pm	0.21	11.73	\pm	0.95	96.23	\pm	5.18
	L017V	50.43	\pm	2.33	0.14	\pm	0.003	12.45	\pm	0.78	1.60	\pm	0.14	12.16	\pm	0.80	89.31	\pm	5.15
	L022V	41.42	\pm	7.34	0.11	\pm	0.007	9.95	\pm	0.26	1.15	\pm	0.10	10.48	\pm	0.87	89.59	\pm	2.78
	L023V	44.22	\pm	4.11	0.11	\pm	0.004	8.32	\pm	0.40	1.18	\pm	0.07	11.48	\pm	1.08	86.03	\pm	1.73
Jun '14	L016V	5.50	\pm	0.90	0.11	\pm	0.005	3.01	\pm	1.16	0.71	\pm	0.18	1.51	\pm	0.17	40.96	\pm	6.60
	L017V	5.76	\pm	0.43	0.13	\pm	0.011	2.41	\pm	0.49	0.64	\pm	0.14	1.56	\pm	0.02	31.96	\pm	4.67
	L022V	7.26	\pm	0.26	0.12	\pm	0.011	2.36	\pm	0.27	0.65	\pm	0.06	1.65	\pm	0.12	38.96	\pm	2.58
	L023V	8.19	\pm	1.52	0.13	\pm	0.010	2.24	\pm	0.27	0.65	\pm	0.07	1.51	\pm	0.07	33.77	\pm	2.33
Oct '14	L016V	20.77	\pm	1.00				8.37	\pm	0.15	0.83	\pm	0.03	10.58	\pm	0.08	85.86	\pm	1.55
	L017V	16.93	\pm	0.39				7.62	\pm	0.22	0.67	\pm	0.02	10.57	\pm	0.04	97.83	\pm	1.11
	L022V	15.48	\pm	0.07				8.21	\pm	0.20	0.60	\pm	0.01	9.89	\pm	0.01	103.92	\pm	1.02
	L023V	18.65	\pm	1.23				8.03	\pm	0.28	0.77	\pm	0.02	11.54	\pm	0.12	104.02	\pm	1.47
Jun '15	L016V	16.51	\pm	2.20				10.08	\pm	0.49	0.52	\pm	0.06	10.65	\pm	0.34	112.49	\pm	6.98
	L017V	12.07	\pm	2.84				11.57	\pm	0.65	0.55	\pm	0.07	8.94	\pm	0.73	130.87	\pm	7.15
	L022V	14.76	\pm	2.37				10.76	\pm	1.14	0.62	\pm	0.07	9.66	\pm	0.46	136.53	\pm	16.99
	L023V	13.90	\pm	1.65				14.59	\pm	2.02	0.74	\pm	0.11	10.46	\pm	0.17	126.82	\pm	12.31

Table S3. Bioaccumulation results (mean \pm dev. std.) of BTs in *R. philippinarum* expressed as ng cation per gram of dry weight and as tin (Sn) per gram of dry weight

Phase	Month	Sample	MBT		DBT		TBT		MBT		DBT		TBT	
			ng cat/g	ng cat/g	ng cat/g	ng cat/g	ng Sn/g	ng Sn/g	ng Sn/g	ng Sn/g	ng Sn/g	ng Sn/g	ng Sn/g	ng Sn/g
AO	Nov '05	L016V	<6	15 ± 0.71	91 ± 2.12	2.12	<4	7 ± 0.36	37 ± 0.87	0.87	0.87	0.87	0.87	0.87
		L017V	<6	24 ± 0.71	154 ± 62.93	62.93	<4	12 ± 0.36	63 ± 25.75	25.75	25.75	25.75	25.75	25.75
		L022V	<6	20 ± 2.83	132 ± 36.06	36.06	<4	10 ± 1.44	54 ± 14.76	14.76	14.76	14.76	14.76	14.76
		L023V	<6	19 ± 3.54	90 ± 15.56	15.56	<4	9 ± 1.80	37 ± 6.37	6.37	6.37	6.37	6.37	6.37
Feb '06	Feb '06	L016V	91 ± 15.50	35 ± 4.36	284 ± 34.59	34.59	61 ± 10.47	18 ± 2.22	116 ± 14.15	14.15	14.15	14.15	14.15	14.15
		L017V	19 ± 1.53	40 ± 4	343 ± 13.75	13.75	13 ± 1.03	20 ± 2.04	140 ± 5.63	5.63	5.63	5.63	5.63	5.63
		L022V	98 ± 13.61	45 ± 10.26	316 ± 7.77	7.77	66 ± 9.19	23 ± 5.23	129 ± 3.18	3.18	3.18	3.18	3.18	3.18
		L023V	97 ± 9.50	46 ± 2.31	315 ± 6.93	6.93	65 ± 6.42	24 ± 1.18	129 ± 2.84	2.84	2.84	2.84	2.84	2.84
Apr '06	Apr '06	L016V	<6	14 ± 2.65	93 ± 8.54	8.54	<4	7 ± 1.35	38 ± 3.50	3.50	3.50	3.50	3.50	3.50

		L017V	<6	17	\pm	3	113	\pm	13.23	<4	9	\pm	1.53	46	\pm	5.41			
		L022V	<6	20	\pm	1.15	132	\pm	22.81	<4	10	\pm	0.59	54	\pm	9.33			
		L023V	<6	24	\pm	5.80	190	\pm	37.42	<4	12	\pm	2.96	74	\pm	15.31			
	Jul '06	L016V	30	\pm	4.04	26	\pm	2.08	75	\pm	6.66	20	\pm	2.73	13	\pm	1.06		
		L017V	15	\pm	1	38	\pm	3.21	100	\pm	7.09	10	\pm	0.68	20	\pm	1.64		
		L022V	18	\pm	0	37	\pm	5.29	94	\pm	4.73	12	\pm	0.00	19	\pm	2.70		
		L023V	20	\pm	3.06	35	\pm	3.79	107	\pm	5.51	14	\pm	2.06	18	\pm	1.93		
														44	\pm	2.25			
IO	Nov '06	L016V	<6	19	\pm	1.15	123	\pm	5.03	<4	10	\pm	0.59	50	\pm	2.06			
		L017V	<6	25	\pm	2	210	\pm	9.87	<4	13	\pm	1.02	86	\pm	4.04			
		L022V	<6	25	\pm	3.51	193	\pm	14.01	<4	13	\pm	1.79	79	\pm	5.73			
		L023V	<6	34	\pm	3.79	213	\pm	17.67	<4	17	\pm	1.93	87	\pm	7.23			
	Feb '07	L016V	<6	33	\pm	0.58	276	\pm	5.29	<4	17	\pm	0.29	113	\pm	2.17			
		L017V	<6	32	\pm	2.52	367	\pm	22.01	<4	16	\pm	1.28	150	\pm	9.01			
		L022V	<6	35	\pm	2.52	344	\pm	16.92	<4	18	\pm	1.28	141	\pm	6.92			
		L023V	<6	34	\pm	4.51	358	\pm	25.32	<4	17	\pm	2.30	147	\pm	10.36			
	Jun '08	L016V	<6	24	\pm	3.06	104	\pm	9.54	<4	12	\pm	1.56	43	\pm	3.90			
		L017V	15	\pm	1.53	32	\pm	1.53	113	\pm	8.96	10	\pm	1.03	16	\pm	0.78		
		L022V	15	\pm	2.65	32	\pm	1.15	101	\pm	1.53	10	\pm	1.79	16	\pm	0.59		
		L023V	21	\pm	4.73	36	\pm	6.43	126	\pm	21.57	14	\pm	3.19	18	\pm	3.28		
	Nov '08	L016V	15	\pm	2	32	\pm	1.15	138	\pm	1.15	10	\pm	1.35	16	\pm	0.59		
		L017V	<6	25	\pm	1	83	\pm	6.93	<4	13	\pm	0.51	34	\pm	2.84			
		L022V	16	\pm	2.52	35	\pm	3.06	134	\pm	13.65	11	\pm	1.70	18	\pm	1.56		
		L023V	<6			20	\pm	1.15	74	\pm	1.15	<4			10	\pm	0.59		
PO	Nov '10	L016V	7		0.58	8	\pm	3.21	32	\pm	4.04	5	\pm	0.39	5	\pm	1.64		
		L017V	<6			8	\pm	3.61	37	\pm	1	<4			<4		15	\pm	0.41
		L022V	14	\pm	16.29	9	\pm	1.53	38	\pm	2.52	14	\pm	11.00	5	\pm	0.78		
		L023V	17	\pm	19.86	10	\pm	1	38	\pm	3.61	17	\pm	13.41	5	\pm	0.51		
	Jun '11	L016V	<6			<8			20	\pm	1.15	<4			<4		8	\pm	0.47
		L017V	<6			7	\pm	4.62	41	\pm	4.36	<4			<4		17	\pm	1.78
		L022V	9	\pm	6.66	<8			37	\pm	3.06	8	\pm	4.50	<4		15	\pm	1.25
		L023V	8	\pm	9.24	9	\pm	0.58	48	\pm	1	13	\pm	6.24	5	\pm	0.29		
	Nov '11	L016V	<6			12	\pm	1	33	\pm	3.79	5	\pm	1.95	6	\pm	0.51		
		L017V	9	\pm	0.58	15	\pm	0	54	\pm	3.06	6	\pm	0.39	8	\pm	22		
		L022V	<6			15	\pm	1.15	55	\pm	5.20	<4			8	\pm	0.59		
		L023V	<6			13	\pm	3.21	51	\pm	0.58	4	\pm	1.17	7	\pm	1.64		
	Jun '12	L016V	<6			<8			19	\pm	2.52	<4			<4		8	\pm	1.03
		L017V	<6			11	\pm	1.73	24	\pm	3	<4			6	\pm	0.88		
		L022V	<6			11	\pm	2	36	\pm	2.08	<4			6	\pm	1.02		
		L023V	<6			9	\pm	0.58	35	\pm	6	<4			5	\pm	0.29		
	Nov '12	L016V	6	\pm	2.31	10	\pm	0.58	25	\pm	2.65	5	\pm	1.56	5	\pm	0.29		
		L017V	8	\pm	1.53	15	\pm	2.52	40	\pm	4.58	5	\pm	1.03	8	\pm	1.28		
		L022V	<6			14	\pm	1	36	\pm	3.21	<4			7	\pm	0.51		
		L023V	<6			15	\pm	0.58	41	\pm	3.21	<4			8	\pm	0.29		
	May '13	L016V	<6			<8			25	\pm	1	<4			<4		10	\pm	0.41
		L017V	<6			<8			33	\pm	1.73	<4			<4		14	\pm	0.71

	L022V	<6	<8	37 ± 2	<4	<4	15 ± 0.82
	L023V	<6	<8	35 ± 3.79	<4	<4	14 ± 1.55
Nov '13	L016V	<6	13 ± 1	17 ± 2.52	<4	7 ± 0.51	7 ± 1.03
	L017V	<6	15 ± 2	24 ± 1.53	<4	8 ± 1.02	10 ± 0.63
	L022V	<6	13 ± 1	21 ± 0.58	<4	7 ± 0.51	9 ± 0.24
	L023V	<6	13 ± 0.58	23 ± 1.73	<4	7 ± 0.29	9 ± 0.71
Jun '14	L016V	<6	<8	14 ± 0.58	<4	<4	6 ± 0.24
	L017V	<6	<8	23 ± 2.08	<4	<4	9 ± 0.85
	L022V	<6	<8	24 ± 1.73	<4	<4	10 ± 0.71
	L023V	<6	<8	32 ± 4.36	<4	<4	13 ± 1.78
Oct '14	L016V	<6	<8	23 ± 1.53	<4	<4	10 ± 0.63
	L017V	<6	<8	29 ± 1.15	<4	<4	12 ± 0.47
	L022V	<6	<8	22 ± 1.73	<4	<4	9 ± 0.71
	L023V	<6	8 ± 4.04	27 ± 2.89	<4	4 ± 2.06	11 ± 1.18
Jun '15	L016V	<6	<8	25 ± 3.79	<4	<4	10 ± 1.55
	L017V	<6	<8	41 ± 4.58	<4	<4	17 ± 1.88
	L022V	<6	<8	35 ± 5.29	<4	<4	14 ± 2.17
	L023V	<6	<8	41 ± 4.04	<4	<4	17 ± 1.65

AO = *ante operam*, IO = *in opera*, PO = *post operam*

Table S4. Results of biomarkers (mean ± dev. std.) analysed in Manila clams (*R. philippinarum*) in Vallona Lagoon.

Phase	Month	Sam-										MDA	
		sample	MN		AChE		AOX		CAT		TOSC_ROO-		
			frequency	(%)	nmol/min/mg	prot.	mUnit/ml	μmol/min/mg	prot.	UTOSC/ mg prot	UTOSC/ mg prot	UTOSC/ mg prot	
AO	Nov '05	L016V	0.20	± 0.13	20.81 ± 13.70	0.83 ± 0.21	31.41 ± 9.24	420.27 ± 69.67	299.62 ± 73.42	19.33 ± 4.19			
		L017V	0.20	± 0.13	12.80 ± 5.40	0.81 ± 0.27	32.69 ± 11.76	324.84 ± 28.59	214.66 ± 55.38	38.75 ± 6.29			
		L022V	0.80	± 0.25	21.58 ± 8.69	0.97 ± 0.25	34.66 ± 8.89	372.01 ± 80.55	258.60 ± 75.11	30.25 ± 8.13			
		L023V	0.40	± 0.16	11.98 ± 4.16	0.66 ± 0.26	27.53 ± 4.51	354.91 ± 50.86	159.78 ± 20.56	39.06 ± 17.84			
Feb '06	Feb '06	L016V	0.20	± 0.13	15.39 ± 3.59	0.69 ± 0.38	39.24 ± 17.70	368.36 ± 53.24	276.25 ± 12.64	39.17 ± 7.65			
		L017V	0		15.58 ± 3.80	1.06 ± 0.15	45.17 ± 6.91	645.33 ± 107.69	348.42 ± 45.09	32.5 ± 24.58			
		L022V	0		12.11 ± 4.43	0.99 ± 0.20	42.04 ± 7.82	391.93 ± 45.06	382.74 ± 41.93	23.17 ± 1.44			
		L023V	0		11.83 ± 6.02	1.40 ± 0.28	36.90 ± 5.46	696.49 ± 117.44	456.74 ± 33.76	24.33 ± 8.37			
Apr '06	Apr '06	L016V	0.20	± 0.13	11.27 ± 1.85	0.98 ± 0.06	44.01 ± 9.98	534.89 ± 74.62	463.87 ± 63.00	17 ± 5.77			
		L017V	0.30	± 0.15	10.05 ± 1.12	0.99 ± 0.30	36.00 ± 9.38	409.16 ± 49.16	495.94 ± 53.39	18 ± 6.56			
		L022V	0.10	± 0.10	10.05 ± 3.06	1.12 ± 0.45	32.82 ± 1.55	638.40 ± 143.46	323.28 ± 58.33	18.67 ± 2.36			
		L023V	0		10.05 ± 1.53	1.24 ± 0.25	42.41 ± 2.24	656.96 ± 79.77	442.79 ± 148.72	27.17 ± 4.75			
Jul '06	Jul '06	L016V	0.60	± 0.31	10.07 ± 0.29	0.88 ± 0.07	17.44 ± 6.87	640.81 ± 47.27	378.31 ± 108.74	31.5 ± 4.58			
		L017V	0		12.71 ± 1.61	0.78 ± 0.22	31.76 ± 5.03	626.97 ± 90.43	355.43 ± 114.15	29.67 ± 3.40			
		L022V	0.60	± 0.16	13.44 ± 4.91	1.01 ± 0.07	24.79 ± 3.46	395.55 ± 83.77	388.97 ± 50.20	35.17 ± 10.75			
		L023V	0.20	± 0.13	18.11 ± 8.35	0.90 ± 0.22	23.92 ± 2.77	448.62 ± 168.67	430.47 ± 14.74	28.5 ± 9.34			
IO	Nov '06	L016V	0.88	± 0.23	9.92 ± 0.95	1.17 ± 0.06	34.45 ± 4.97	397.11 ± 60.59	462.64 ± 49.28	18.27 ± 3.36			
		L017V	0.75	± 0.16	19.19 ± 2.93	1.22 ± 0.05	39.71 ± 3.16	329.68 ± 48.91	448.94 ± 82.14	16.07 ± 3.84			
		L022V	1.00	± 0.27	17.09 ± 1.75	1.10 ± 0.05	36.19 ± 4.80	554.26 ± 76.85	538.92 ± 52.25	19.39 ± 4.02			
		L023V	0.75	± 0.14	11.57 ± 3.93	1.06 ± 0.34	42.23 ± 6.61	391.06 ± 61.91	381.06 ± 57.55	18.38 ± 4.89			
Feb '07	L016V	0.25	± 0.16	13.82 ± 2.60	1.25 ± 0.04	33.59 ± 10.16	465.95 ± 57.70	441.19 ± 51.59	23.42 ± 4.61				

Detailed Data Analysis - Q3 2023																			
Period	Filter	Magnitude			Color Index			Temperature			Luminosity			Velocity			Depth		
		Mean	SD	Min	Mean	SD	Min	Mean	SD	Min	Mean	SD	Min	Mean	SD	Min	Mean	SD	
Jun '08	L017V	0.25	± 0.16	17.78	± 3.40	1.39	± 0.10	41.34	± 3.38	385.30	± 30.81	526.36	± 14.94	21.49	± 1.39				
	L022V	0.14	± 0.14	20.16	± 5.91	1.28	± 0.09	43.70	± 7.70	470.72	± 65.39	503.65	± 62.61	33.67	± 4.93				
	L023V	0.75	± 0.37	17.20	± 4.06	1.39	± 0.17	34.03	± 5.02	356.46	± 45.11	478.56	± 60.05	28.55	± 6.25				
	L016V	0.33	± 0.33	12.95	± 0.83	0.93	± 0.16	45.22	± 4.26	442.24	± 54.06	562.10	± 45.31	48.14	± 6.63				
Nov '08	L017V	0.25	± 0.25	17.70	± 3.42	0.93	± 0.05	41.92	± 10.17	434.99	± 105.70	538.84	± 22.62	36.83	± 6.81				
	L022V	0.50	± 0.5	12.56	± 1.40	0.84	± 0.08	53.67	± 10.53	405.79	± 94.52	504.43	± 50.83	30.62	± 5.46				
	L023V	0		20.72	± 0.98	0.94	± 0.10	65.92	± 6.14	396.64	± 73.78	489.63	± 101.43	36.47	± 3.58				
	L016V	0.60	± 0.24	8.91	± 0.68	0.55	± 0.18	27.07	± 4.35	494.20	± 108.83	464.46	± 11.97	36.14	± 2.96				
PO	L017V	1.20	± 0.37	12.87	± 1.20	0.64	± 0.14	25.59	± 5.20	449.04	± 32.66	450.84	± 94.17	49.50	± 7.23				
	L022V	0.20	± 0.20	12.22	± 0.59	0.53	± 0.04	30.35	± 10.39	369.89	± 141.77	428.88	± 66.17	34.96	± 2.69				
	L023V	0.75	± 0.48	8.80	± 1.40	0.64	± 0.09	33.31	± 10.22	392.92	± 37.02	550.04	± 68.72	51.44	± 15.80				
	L016V	0.60	± 0.22	5.63	± 1.28	0.30	± 0.15	11.41	± 2.15	325.09	± 44.05	326.75	± 73.07	37	± 5.70				
Nov '10	L017V	0.60	± 0.16	3.53	± 0.62	0.34	± 0.11	11.41	± 2.48	341.23	± 41.09	366.87	± 38.22	35	± 7.91				
	L022V	0.80	± 0.33	4.90	± 1.84	0.36	± 0.15	11.66	± 0.88	328.54	± 24.10	388.49	± 32.89	37	± 8.37				
	L023V	1.10	± 0.28	5.60	± 2.25	0.36	± 0.11	9.86	± 1.06	340.38	± 11.55	333.42	± 45.83	37	± 8.37				
	L016V	0.25	± 0.16	1.45	± 0.29	0.34	± 0.09	17.88	± 5.52	515.82	± 63.33	483.75	± 207.49	37.4	± 8.14				
Jun '11	L017V	0.38	± 0.18	1.67	± 0.42	0.33	± 0.05	15.88	± 5.67	436.52	± 61.74	504.60	± 135.47	35	± 0				
	L022V	0.38	± 0.18	1.84	± 0.52	0.36	± 0.06	22.56	± 7.26	508.14	± 49.99	470.23	± 94.74	40	± 3.54				
	L023V	0.25	± 0.16	1.61	± 0.48	0.33	± 0.06	21.54	± 3.56	466.30	± 64.34	366.76	± 72.65	34.17	± 2.04				
	L016V	0.25	± 0.16	2.78	± 0.87	0.77	± 0.22	18.64	± 3.54	362.99	± 93.35	462.36	± 95.92	41.33	± 24.43				
Nov '11	L017V	0.13	± 0.13	2.18	± 0.37	1.00	± 0.28	17.35	± 3.98	347.57	± 65.29	349.78	± 80.16	33.33	± 16.63				
	L022V	0.38	± 0.18	2.72	± 1.08	1.29	± 0.28	14.14	± 2.84	355.42	± 46.05	360.72	± 70.53	70	± 10.49				
	L023V	0.50	± 0.19	4.04	± 0.68	1.24	± 0.22	15.39	± 2.78	344.16	± 41.72	371.66	± 63.91	59.17	± 13.93				
	L016V	0.25	± 0.16	11.42	± 3.60	1.22	± 0.35	9.73	± 2.10	364.86	± 22.63	309.80	± 21.89	36.5	± 19.59				
Jun '12	L017V	0.25	± 0.16	4.81	± 2.35	1.24	± 0.45	9.24	± 2.18	341.76	± 48.48	306.13	± 31.89	28.33	± 7.53				
	L022V	0.25	± 0.16	6.57	± 2.70	1.41	± 0.61	10.73	± 3.14	324.69	± 72.01	328.07	± 30.53	60.71	± 14.56				
	L023V	0.13	± 0.13	4.85	± 1.90	1.05	± 0.34	11.40	± 1.74	277.91	± 83.88	318.78	± 24.19	70.71	± 14.56				
	L016V	0.20	± 0.13	13.64	± 3.15	0.55	± 0.18	24.94	± 2.88	701.27	± 174.53	591.22	± 163.20	22.86	± 6.36				
Nov '12	L017V	0.40	± 0.16	10.81	± 3.64	0.56	± 0.25	26.61	± 5.63	751.97	± 66.06	633.86	± 79.76	23.57	± 9.00				
	L022V	0.60	± 0.22	10.92	± 3.41	0.53	± 0.16	21.99	± 6.04	668.79	± 82.01	508.35	± 62.78	30	± 10.80				
	L023V	0.50	± 0.17	8.98	± 2.25	0.51	± 0.20	24.00	± 6.18	679.72	± 111.95	487.18	± 67.55	34.29	± 11.34				
	L016V	0.25	± 0.16	14.01	± 5.48	1.71	± 0.28	90.08	± 16.94	588.32	± 75.89	889.97	± 121.81	58.72	± 10.73				
May '13	L017V	0.88	± 0.23	18.04	± 7.70	1.75	± 0.38	80.46	± 13.91	474.00	± 39.87	731.91	± 79.92	55.37	± 11.25				
	L022V	0.50	± 0.19	15.13	± 5.76	1.86	± 0.15	77.16	± 11.59	473.23	± 29.22	742.29	± 44.86	58.98	± 14.48				
	L023V	0.38	± 0.18	10.51	± 2.35	1.31	± 0.34	79.08	± 12.83	445.95	± 57.54	730.22	± 61.22	47.76	± 9.07				
	L016V	0.25	± 0.16	16.28	± 4.57	1.24	± 0.36	61.38	± 19.35	902.69	± 79.51	739.80	± 172.19	24.96	± 7.25				
Nov '13	L017V	0.38	± 0.18	12.44	± 5.18	1.30	± 0.20	57.65	± 16.39	811.06	± 117.59	587.89	± 140.49	28.28	± 5.76				
	L022V	0.13	± 0.13	18.30	± 2.08	1.74	± 0.21	55.58	± 14.66	801.57	± 127.03	609.02	± 73.54	30.10	± 7.28				
	L023V	0.25	± 0.25	14.77	± 7.84	1.56	± 0.15	69.15	± 15.35	855.41	± 215.41	644.80	± 171.21	23.84	± 4.25				
	L016V	0.25	± 0.25	22.05	± 12.94	1.47	± 0.43	40.24	± 17.74	494.40	± 90.73	481.79	± 94.59	63.03	± 14.63				
Jun '14	L017V	0.38	± 0.18	40.38	± 13.68	1.39	± 0.35	30.91	± 11.95	536.27	± 50.01	459.73	± 115.03	47.62	± 11.14				
	L022V	0.13	± 0.13	37.21	± 14.83	1.19	± 0.36	36.10	± 13.16	547.19	± 117.88	465.21	± 78.22	61.47	± 13.81				
	L023V	0.25	± 0.16	35.98	± 8.34	1.49	± 0.41	35.22	± 4.46	566.31	± 113.37	466.72	± 95.02	65.75	± 17.44				
	L016V	0.38	± 0.18	8.99	± 3.28	2.03	± 0.48	41.75	± 6.55	550.64	± 65.43	656.28	± 58.86	20.58	± 3.80				
Oct '14	L017V	0.50	± 0.19	8.51	± 1.99	1.32	± 0.25	40.18	± 6.27	689.24	± 156.67	704.65	± 20.70	18.68	± 8.95				

	L022V	0.25	\pm	0.16	8.31	\pm	1.92	1.56	\pm	0.59	38.81	\pm	11.57	800.17	\pm	100.21	736.72	\pm	99.02	19.27	\pm	4.53
	L023V	0.13	\pm	0.13	7.34	\pm	1.81	2.05	\pm	0.77	44.25	\pm	6.56	721.37	\pm	201.92	742.51	\pm	97.12	22.24	\pm	4.94
Jun '15	L016V	0.38	\pm	0.18	11.75	\pm	2.70	1.66	\pm	0.42	43.82	\pm	4.65	775.98	\pm	122.67	867.61	\pm	52.71	19.55	\pm	4.87
	L017V	0.63	\pm	0.26	11.96	\pm	4.19	1.25	\pm	0.24	40.08	\pm	3.34	626.43	\pm	83.19	796.67	\pm	54.95	19.92	\pm	6.00
	L022V	0.63	\pm	0.26	9.34	\pm	2.31	1.52	\pm	0.20	45.32	\pm	4.27	730.74	\pm	171.70	856.51	\pm	115.20	22.91	\pm	6.25
	L023V	0.50	\pm	0.19	7.44	\pm	2.45	1.13	\pm	0.33	36.37	\pm	6.32	530.96	\pm	186.18	633.40	\pm	168.44	21.27	\pm	4.93

AO = *ante operam*, IO = *in opera*, PO = *post operam*

Table S5. Values of R Spearman's correlations resulted significant ($p<0.05$). Positive correlations are in blue, negative ones in red.

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	Ba	As	Cd	Cr	Fe	Mn	Hg	Ni	Pb	Cu	Zn	MBT	DBT	TBT	HMW PAHs	AChE	AOX	CAT	MN	MDA	TOSC_HO	TOSC_ROO	CI
As	n.s.																						
Cd	n.s.	0.40																					
Cr	0.70	n.s.	n.s.																				
Fe	0.72	n.s.	0.24	0.82																			
Mn	0.72	n.s.	n.s.	0.82	n.s.																		
Hg	n.s.	0.35	0.55	n.s.	n.s.	n.s.																	
Ni	0.45	n.s.	0.41	n.s.	n.s.	n.s.	n.s.																
Pb	0.38	0.24	n.s.	0.49	n.s.	n.s.	n.s.	n.s.															
Cu	0.59	0.41	0.34	0.37	0.52	0.44	0.24	0.50	0.31														
Zn	0.33	0.26	n.s.																				
MBT	n.s.																						
DBT	n.s.	n.s.	n.s.	0.41	0.46	0.58	0.28	0.27	0.35	n.s.	n.s.	0.46											
TBT	n.s.	n.s.	n.s.	0.28	0.35	0.40	n.s.	n.s.	n.s.	n.s.	n.s.	0.32	0.82										
HMW_PAH	n.s.	n.s.	n.s.	0.32	0.45	0.45	0.32	0.26	0.49	n.s.	n.s.	n.s.	0.68	0.68									
AchE	n.s.	-0.31	n.s.	0.28	n.s.	0.24																	
AOX	n.s.	-0.48	-0.23	-0.24	-0.44	0.37																	
CAT	n.s.	-0.23	n.s.	n.s.	n.s.	0.57	0.58																
MN	n.s.	0.23	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.													
MDA	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	-0.25	n.s.	n.s.	n.s.	n.s.	n.s.	-0.24	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	-0.27	n.s.	
TOSC_HO	n.s.	n.s.	n.s.	-0.27	-0.27	-0.23	n.s.	n.s.	n.s.	n.s.	n.s.	-0.35	-0.38	-0.38	-0.42	n.s.	n.s.	0.61	n.s.	n.s.			
TOSC_ROO	n.s.	n.s.	n.s.	n.s.	-0.31	n.s.	-0.24	n.s.	-0.34	n.s.	n.s.	n.s.	-0.32	-0.28	n.s.	n.s.	0.50	n.s.	-0.36	0.65			
CI	-0.42	-0.52	-0.47	n.s.	-0.44	n.s.	-0.56	-0.42	-0.34	-0.61	-0.34	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	0.26	n.s.	n.s.	n.s.	n.s.	
LT ₅₀	0.25	0.40	n.s.	0.29	0.27	n.s.	0.45	n.s.	0.27	n.s.	n.s.	n.s.	n.s.	0.30	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	-0.34

n.s. = not significant

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