

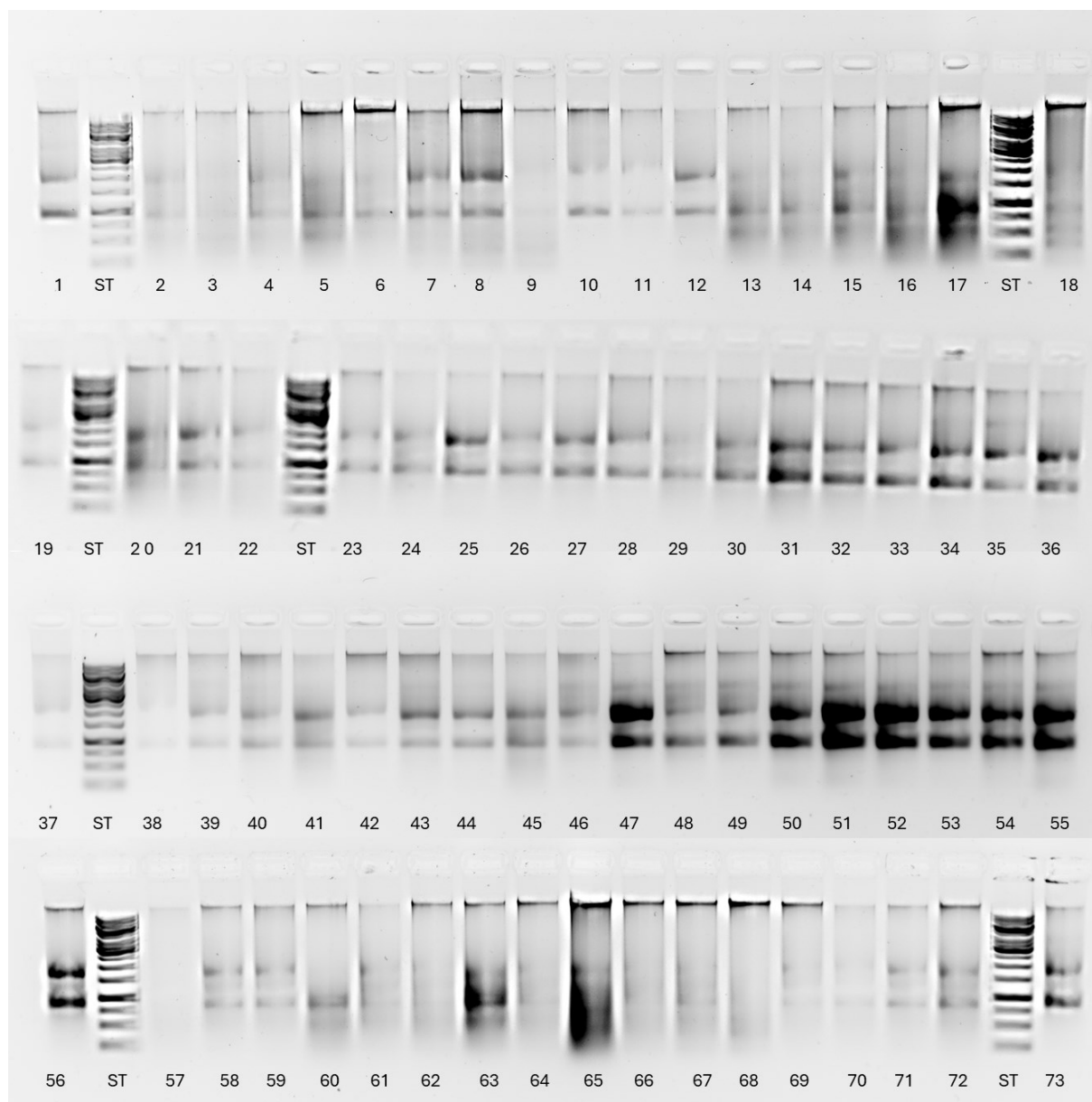
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Toxicogenomics

The expression of selected targeted genes involved in xenobiotic metabolism (CYP1A1, CYP1A2, CYP3A4, UGT1A1, UGT2B7, NAT2), nuclear receptors (PXR, CAR), transcription factor (AHR), cell proliferation (KI67), apoptosis (BBC3, BCL2, BAX), DNA damage response (TP53, GADD45 α , CDKN1A), and oxidative stress (OGG1, GCLC, CAT, HMOX1, SRXN1) was analysed by quantitative real-time PCR (qPCR) using a 48.48 Dynamic Array™ IFC for gene expression (Fluidigm, US) (Hercog et al. 2019). Three-day-old spheroids were exposed to individual BPA, BPC, and BPAP and their binary mixtures, at concentrations listed in Table 1. Benzo(a)pyrene (20 μ M) was used as a positive control. Total mRNA was isolated from a pool of 24 spheroids for each experimental point, using the RNeasy Mini Kit. The purity and concentration of the isolated mRNA were determined using a NanoDrop 1000 Spectrophotometer (Thermo Fischer Scientific, Wilmington, USA), while RNA integrity was verified by agarose gel electrophoresis using the PowerPac 3000 (BioRad, Hercules, CA, USA) (Supplementary Material (SM2: Gel electrophoresis)). For reverse transcription, 1 μ g of total mRNA from each sample was converted to cDNA using the cDNA High-Capacity reverse transcription Kit (Applied Biosystems, USA). The qPCR assays were conducted using 48.48 Dynamic Array™ IFC chips on the BioMark HD system. All selected target genes (Supplementary Material (SM3: List of selected Genes)) were preamplified prior to qPCR analysis. Data analysis was performed using the open web program QuantGenious, applying relative quantification methods referenced against the solvent control (Baebler et al. 2017). Changes in gene expression greater than 1.5-fold were considered biologically relevant, with upregulation defined as relative expression >1.5 and downregulation as <0.66 , respectively. The statistical analysis was performed by one sample t-test (* $p < 0.05$).

Gel electrophoresis

Assessment of mRNA integrity by agarose gel electrophoresis. Representative gel images show mRNA quality and degradation status for all analyzed samples. The accompanying table lists the corresponding sample identifiers and experimental conditions.



1. 24h P1 SC	2. 24h P1 NC	3. 24h P1 BPA 10	4. 24h P1 BPA 20	5. 24h P1 BPA 40	6. 24h P1 BPAP 10	7. 24h P1 BPAP 20	8. 24h P1 BPAP 40	9. 24h P1 BPC 10	10. 24h P1 BPC 20
11. 24h P1 BPC 40	12. 96h P1 NC	13. 96h P1 SC	14. 96h P1 BPA 1	15. 96h P1 BPA 2	16. 96h P1 BPA 4	17. 96h P1 BPAP 1	18. 96h P1 BPAP 2	19. 96h P1 BPAP 4	20. 96h P1 BPC 1
21. 96h P1 BPC 2	22. 96h P1 BPC 4	23. 24h P1 BPA+BP AP 10	24. 24h P1 BPA+BP AP 20	25. 24h P1 BPA+B PC 10	26. 24h P1 BPA+B PC 20	27. 96h P1 BPA+B PAP 1	28. 96h P1 BPA+B PAP 2	29. 96h P1 BPA+B PC 1	30. 96h P1 BPA+BP C 2

31. 96h P2 SC	32. 96h P2 BPA 1	33. 96h P2 BPA 2	34. 96h P2 BPA 4	35. 96h P2 BPAP 1	36. 96h P2 BPAP 2	37. 96h P2 BPAP 4	38. 96h P2 BPC 1	39. 96h P2 BPC 2	40. 96h P2 BPC 4
41. 96h P2 BPA+BP AP 1	42. 96h P2 BPA+B PAP 2	43. 96h P2 BPA+BP C 1	44. 96h P2 BPA+BP C 2	45. 24h P2 SC	46. 24h P2 BPA 20	47. 24h P2 BPA 40	48. 24h P1 BPAP 10	49. 24h P2 BPAP 20	50. 24h P2 BPC 20
51. 24h P2 BPA+BP AP 20	52. 24h P2 BPA+B PC 20	53. 96h P3 SC	54. 96h P3 BPA 1	55. 96h P3 BPA 2	56. 96h P3 BPAP 1	57. 96h P3 BPAP 2	58. 96h P3 BPC 1	59. 96h P3 BPC 4	60. 96h P3 BPA+BP AP 2
61. 96h P3 BPA+BP C 1	62. 24h P3 SC	63. 24h P3 BPA 10	64. 24h P3 BPA 20	65. 24h P3 BPA 40	66. 24h P3 BPAP 20	67. 24h P3 BPC 10	68. 24h P3 BPC 20	69. 24h P3 BPC 40	70. 24h P3 BPA+BP AP 10
71. 24h P3 BPA+BP C 20	72. 24h PC BaP	73. 96h PC BaP							

Quantitative gene expression results

Quantitative gene expression changes of nuclear receptor, metabolic, DNA damage response, oxidative stress, and apoptosis-related genes following 24 h and 96 h exposure to BPA their two analogues BPAP and BPC and mixtures. Gene expression was assessed by qPCR using the Fluidigm 48.48 IFC system and analyzed with QuantGenius using relative quantification normalized to housekeeping genes. Data are presented as fold change $\pm$ SD relative to the solvent control. Genes showing >1.5-fold induction or <0.66-fold repression were considered up- or downregulated, respectively. Genes highlighted in bold are biologically significant. Statistical significance was determined by one-sample *t*-test ($p < 0.05$; $p < 0.01$; $*p < 0.001$) using GraphPad Prism (v10.0).

	METABOLIC GENES								DNA DAMAGE RESPONSIVE GENES					OXI STRESS RESPONSIVE GENES					PROLIF ERATIO N	APOPTOSIS GENES		
24h	PXR	CAR	AHR	CYP3A 4	CYP1A 2	CYP1A 1	UGT2B 7	UGT1A 1	NAT2	TP53	MDM2	GADD 45a	CDKN 1A	OGG1	GCLC	CAT	HMOX 1	SRXN1	KI67	BBC3	BCL2	BAX
BPA 10	0.95 $\pm$ 0.09	1.66 $\pm$ 0.33	1.11 $\pm$ 0.08	1.77 $\pm$ 0.31	0.91 $\pm$ 0.17	1.31 $\pm$ 0.34	1.4 $\pm$ 0.28	1.78 $\pm$ 0.38	1.58 $\pm$ 0.47	0.96 $\pm$ 0.05	1.49 $\pm$ 0.57	1.31 $\pm$ 0.38	0.78 $\pm$ 0.3	1.02 $\pm$ 0.05	1.24 $\pm$ 0.15	1.15 $\pm$ 0.08	1.14 $\pm$ 0.38	1.18 $\pm$ 0.04*	1.11 $\pm$ 0.06	0.95 $\pm$ 0.16	1.11 $\pm$ 0.11	1.5 $\pm$ 0.2
BPA 20	0.97 $\pm$ 0.17	1.86 $\pm$ 0.33	1.06 $\pm$ 0.12	3.09 $\pm$ 1.86*	0.67 $\pm$ 0.001	1.49 $\pm$ 0.46	0.7 $\pm$ 0.05	2.26 $\pm$ 1.25	2.67 $\pm$ 1.74	1.02 $\pm$ 0.17	1.03 $\pm$ 0.26	0.96 $\pm$ 0.12	0.81 $\pm$ 0.16	1.32 $\pm$ 0.30	1.35 $\pm$ 0.15	1.18 $\pm$ 0.23	1.51 $\pm$ 0.26	1.43 $\pm$ 0.04*	1.08 $\pm$ 0.10	0.65 $\pm$ 0.04	1.5 $\pm$ 0.48	1.07 $\pm$ 0.27
BPA 40	0.97 $\pm$ 0.07	2.08 $\pm$ 0.2*	1 $\pm$ 0.08	2.64 $\pm$ 2.08	1.34 $\pm$ 0.003	2.58 $\pm$ 1.21	0.94 $\pm$ 0.08	3.74 $\pm$ 2.27	3.87 $\pm$ 2.42	0.84 $\pm$ 0.02	1.04 $\pm$ 0.03	1.04 $\pm$ 0.18	0.72 $\pm$ 0.14	1.65 $\pm$ 0.49*	1.29 $\pm$ 0.21	1.18 $\pm$ 0.19	1.66 $\pm$ 0.53	1.57 $\pm$ 0.29	1.01 $\pm$ 0.001	0.74 $\pm$ 0.01*	1.69 $\pm$ 0.8	1.41 $\pm$ 0.32
BPAP 10	1.41 $\pm$ 0.08	1.49 $\pm$ 0.5	1.05 $\pm$ 0.04	7 $\pm$ 0.77**	4.15 $\pm$ 3.19	1.22 $\pm$ 0.46	1.32 $\pm$ 0.25	5.13 $\pm$ 1.98	7.07 $\pm$ 2.41*	1.11 $\pm$ 0.06	1.04 $\pm$ 0.38	0.92 $\pm$ 0.1	1.05 $\pm$ 0.54	2.26 $\pm$ 0.36*	1.12 $\pm$ 0.06	1.58 $\pm$ 0.18	1.62 $\pm$ 0.72	1.49 $\pm$ 0.18	3.39 $\pm$ 0.49*	0.82 $\pm$ 0.18	1.68 $\pm$ 0.9	1.48 $\pm$ 0.53
BPAP 20	0.78 $\pm$ 0.05*	1.45 $\pm$ 0.17	1.25 $\pm$ 0.07	1.29 $\pm$ 0.29	0.55 $\pm$ 0.14	1.19 $\pm$ 0.31	1.66 $\pm$ 0.32*	1.51 $\pm$ 0.39	0.84 $\pm$ 0.04*	1.02 $\pm$ 0.13	1.26 $\pm$ 0.29	1.14 $\pm$ 0.13	0.64 $\pm$ 0.16	0.77 $\pm$ 0.15	1.13 $\pm$ 0.01*	1.09 $\pm$ 0.03	0.91 $\pm$ 0.09	1.42 $\pm$ 0.06	1.04 $\pm$ 0.42	0.79 $\pm$ 0.14	0.71 $\pm$ 0.3	1.05 $\pm$ 0.22
BPAP 40	0.85 $\pm$ 0.04*	1.46 $\pm$ 0.47	1.26 $\pm$ 0.05	0.9 $\pm$ 0.13	0.94 $\pm$ 0.19	1.55 $\pm$ 0.54	1.23 $\pm$ 0.38	1.18 $\pm$ 0.01	0.9 $\pm$ 0.02*	1.11 $\pm$ 0.04*	0.96 $\pm$ 0.15	1.11 $\pm$ 0.02*	0.93 $\pm$ 0.22	0.89 $\pm$ 0.06	1.16 $\pm$ 0.17	1.08 $\pm$ 0.04	1.1 $\pm$ 0.04	1.39 $\pm$ 0.17	1.10 $\pm$ 0.24	0.77 $\pm$ 0.06*	0.8 $\pm$ 0.01*	1.41 $\pm$ 0.17
BPC 10	0.79 $\pm$ 0.1	1.24 $\pm$ 0.27	1.35 $\pm$ 0.16	1.35 $\pm$ 0.47	1.25 $\pm$ 0.67	1.02 $\pm$ 0.13	1.56 $\pm$ 0.48	1.34 $\pm$ 0.25	0.87 $\pm$ 0.17	1.07 $\pm$ 0.18	1.58 $\pm$ 0.58	1.28 $\pm$ 0.33	1.08 $\pm$ 0.38	0.8 $\pm$ 0.09	1.05 $\pm$ 0.14	1.04 $\pm$ 0.02	1.29 $\pm$ 0.11	1.02 $\pm$ 0.03	0.93 $\pm$ 0.16	0.66 $\pm$ 0.01*	0.93 $\pm$ 0.05	1.29 $\pm$ 0.04
BPC 20	0.88 $\pm$ 0.18	1.53 $\pm$ 0.31	1.33 $\pm$ 0.1	2.69 $\pm$ 1.23	2.8 $\pm$ 0.95	2.51 $\pm$ 1.08	1.48 $\pm$ 0.43	2.54 $\pm$ 1.43	0.51 $\pm$ 0.02	1.06 $\pm$ 0.12	1.01 $\pm$ 0.3	1.02 $\pm$ 0.33	0.72 $\pm$ 0.05*	1.08 $\pm$ 0.45	1.52 $\pm$ 0.13	1.3 $\pm$ 0.3	1.41 $\pm$ 0.15	1.51 $\pm$ 0.26	0.75 $\pm$ 0.04	0.71 $\pm$ 0.03	0.98 $\pm$ 0.36	1.19 $\pm$ 0.22
BPC 40	0.94 $\pm$ 0.11	1.72 $\pm$ 0.42*	1.29 $\pm$ 0.05	2.22 $\pm$ 2.13	4.84 $\pm$ 0.04***	3.76 $\pm$ 1.97	1.25 $\pm$ 0.2	2.25 $\pm$ 1.48	3.25 $\pm$ 1.31	1 $\pm$ 0.23	1.11 $\pm$ 0.26	1.02 $\pm$ 0.16	0.78 $\pm$ 0.18	1.3 $\pm$ 0.16	1.43 $\pm$ 0.32	1.42 $\pm$ 0.16	1.59 $\pm$ 0.4	1.56 $\pm$ 0.16*	0.90 $\pm$ 0.10	0.82 $\pm$ 0.07	1.43 $\pm$ 0.59	1.43 $\pm$ 0.42
BPA+ BPAP 10	0.91 $\pm$ 0.1	2.89 $\pm$ 0.4*	1.04 $\pm$ 0.2	3.73 $\pm$ 3.08	0.53 $\pm$ 0.21	1.57 $\pm$ 0.26	1 $\pm$ 0.24	3.15 $\pm$ 2.01	4.03 $\pm$ 2.07	0.95 $\pm$ 0.21	0.91 $\pm$ 0.36	1.06 $\pm$ 0.37	0.83 $\pm$ 0.3	1.3 $\pm$ 0.05	1.09 $\pm$ 0.27	1.15 $\pm$ 0.23	1.17 $\pm$ 0.31	1.56 $\pm$ 0.33	0.88 $\pm$ 0.34	0.9 $\pm$ 0.17	1.95 $\pm$ 0.62	0.82 $\pm$ 0.02
BPA+ BPAP 20	0.73 $\pm$ 0.11	1.27 $\pm$ 0.18	1.22 $\pm$ 0.06	0.23 $\pm$ 0.001*	1.11 $\pm$ 0.19	1.69 $\pm$ 0.3	1.23 $\pm$ 0.53	1.28 $\pm$ 0.57	0.89 $\pm$ 0.51	1 $\pm$ 0.09	1 $\pm$ 0.29	0.96 $\pm$ 0.19	0.6 $\pm$ 0.14	0.95 $\pm$ 0.17	1.1 $\pm$ 0.32	1.2 $\pm$ 0.07	1.52 $\pm$ 0.56	1.16 $\pm$ 0.04	1.00 $\pm$ 0.25	0.65 $\pm$ 0.11	1.07 $\pm$ 0.06	1.09 $\pm$ 0.04
BPA+ BPC 10	0.99 $\pm$ 0.09	1.77 $\pm$ 0.23*	0.99 $\pm$ 0.1	1.57 $\pm$ 0.75	1.95 $\pm$ 0.63	2.13 $\pm$ 0.52*	0.98 $\pm$ 0.3	1.83 $\pm$ 0.69	2.53 $\pm$ 0.65*	0.96 $\pm$ 0.15	1.21 $\pm$ 0.3	1.3 $\pm$ 0.43	0.89 $\pm$ 0.1	1.33 $\pm$ 0.22	1.09 $\pm$ 0.16	1.24 $\pm$ 0.08*	1.49 $\pm$ 0.28	1.39 $\pm$ 0.12*	0.95 $\pm$ 0.30	0.92 $\pm$ 0.06	1.1 $\pm$ 0.07	1.43 $\pm$ 0.37

BPA+ BPC 20	1.22 ± 0.08	3.49 ± 1.41	0.95 ± 0.08	2.14 ± 1.01	6.54 ± 0.76*	4.48 ± 2.06	0.75 ± 0.16	2.36 ± 0.98*	4.33 ± 0.18*	0.99 ± 0.13	1.21 ± 0.22	1.16 ± 0.23*	1.14 ± 0.3	1.96 ± 0.17*	1.24 ± 0.34	1.3 ± 0.05*	2.38 ± 0.88	1.75 ± 0.25*	1.02 ± 0.43	1.35 ± 0.06*	2.13 ± 0.06*	1.9 ± 0.72
PC BaP	1.15 ± 0.22	1 ± 0.02	1.1 ± 0.04	0.38 ± 0.21	10.27 ± 11.18	13.25 ± 1.45***	1.27 ± 0.32	1.17 ± 0.25	1.69 ± 0.26	1.07 ± 0.33	2.42 ± 0.27*	1.59 ± 0.33	3.38 ± 1.17*	1.05 ± 0.09	1.51 ± 0.11*	0.81 ± 0.05*	1.02 ± 0.07	2.06 ± 0.21**	1.08 ± 0.18	1.62 ± 0.03*	1.42 ± 0.47	1.41 ± 0.01*
96h	PXR	CAR	AHR	CYP3A 4	CYP1A 2	CYP1A 1	UGT2B 7	UGT1A 1	NAT2	TP53	MDM2	GADD 45a	CDKN 1A	OGG1	GCLC	CAT	HMOX 1	SRXN1	Kl67	BBC3	BCL2	BAX
BPA 1	1.39 ± 0.58	1.8 ± 0.39	1.73 ± 0.4	1.3 ± 0.18	3.06 ± 1.53	3.87 ± 1.60	1.2 ± 0.34	1.78 ± 0.26	1.57 ± 0.06	1.68 ± 0.57	1.33 ± 0.67	1.36 ± 0.29	1.01 ± 0.05	0.99 ± 0.3	1.33 ± 0.25*	1.12 ± 0.1	1.16 ± 0.04*	1.05 ± 0.15	1.26 ± 0.38	0.98 ± 0.16	1.39 ± 0.25	1.09 ± 0.51
BPA 2	1.08 ± 0.3	1.16 ± 0,08	1.54 ± 0.58	4.29 ± 1.95*	3.76 ± 1.76	5.68 ± 3.91	1.05 ± 0.26	3.49 ± 2.16	3.7 ± 2.34	0.97 ± 0.03	0.97 ± 0.03	1.82 ± 0.17	1.51 ± 0.06**	1.27 ± 0.19	1.19 ± 0.17	1.25 ± 0.2	2.15 ± 0.16*	1.06 ± 0.11	1.57 ± 0.28	1.39 ± 0.15	5.22 ± 1.08*	1.08 ± 0.15
BPA 4	1.14 ± 0.31	1.04 ± 0.04	1.77 ± 0.84	2.73 ± 1.18	2.1 ± 0.26*	1.69 ± 0.01**	1.37 ± 0.41	1.97 ± 0.02**	2.7 ± 1.9	0.97 ± 0.2	0.97 ± 0.2	1.42 ± 0.01*	0.92 ± 0.23	1.09 ± 0.15	1.12 ± 0.26	1.05 ± 0.23	1.49 ± 0.11	1.11 ± 0.13	1.04 ± 0.29	1.01 ± 0.26	2.37 ± 0.05*	0.93 ± 0.13
BPAP 1	0.95 ± 0.18	1.07 ± 0.07	1.29 ± 0.05*	2.22 ± 0.7	2.02 ± 0.24	1.72 ± 0.09*	1.29 ± 0.08	0.74 ± 0.11	1.62 ± 0.08*	1.19 ± 0.16	1.19 ± 0.16	1.1 ± 0.27	1.3 ± 0.34	1.17 ± 0.2	1.05 ± 0.31	1.36 ± 0.12*	1.35 ± 0.34	1.22 ± 0.01**	1.41 ± 0.23	1.06 ± 0.26	3.05 ± 1.97	1.27 ± 0,15
BPAP 2	1.13 ± 0.47	1.24 ± 0.41	1.12 ± 0.29	3.17 ± 1.91	4.48 ± 0.31*	0.85 ± 0.02	0.98 ± 0.27	0.52 ± 0.11	2.07 ± 1.14	0.93 ± 0.12	0.93 ± 0.12	1.2 ± 0.28	0.63 ± 0.003*	1.09 ± 0.42	1.04 ± 0.28	1.32 ± 0.25	0.76 ± 0.12	1.19 ± 0.28	1.69 ± 0.72	1.02 ± 0.49	3.79 ± 2.47	1.78 ± 0.42*
BPAP 4	1.12 ± 0.15	0.38 ± 0.07	0.91 ± 0.13	0.43 ± 0.06	0.43 ± 0.18	0.49 ± 0.09*	1.6 ± 0.15	0.93 ± 0.18	0.55 ± 0.09*	0.68 ± 0.07	0.68 ± 0.07	1.74 ± 0.74	1.03 ± 0.17	0.76 ± 0.37	0.93 ± 0.23	0.9 ± 0.18	0.8 ± 0.13	0.89 ± 0.11	0.98 ± 0.6	0.61 ± 0.07*	0.38 ± 0.01*	0.64 ± 0.46
BPC 1	1.04 ± 0.3	1.34 ± 0.24	1.55 ± 0.11	2.32 ± 0.71*	2.71 ± 1.97	0.83 ± 0.1	0.85 ± 0.15	0.72 ± 0.03	1.2 ± 0.36*	1.1 ± 0.26	0.92 ± 0.02	1.14 ± 0.33	1.03 ± 0.3	0.92 ± 0.08	1.11 ± 0.24	1.1 ± 0.05	1.24 ± 0.31	0.97 ± 0.09	1.41 ± 0.28	0.98 ± 0.07	2.15 ± 1.13	1.43 ± 0.25
BPC 2	1.13 ± 0.29	1.02 ± 0.24	1.4 ± 0.23	1.54 ± 0.17	4.05 ± 2.85	0.98 ± 0.19	1.53 ± 0.25	0.75 ± 0.05	1.36 ± 0.61	1.02 ± 0.21	1.02 ± 0.21	1.17 ± 0.26	0.96 ± 0.13	0.99 ± 0.02	1.09 ± 0.25	1.09 ± 0.12	1.03 ± 0.14	1 ± 0.003	1.28 ± 0.46	0.84 ± 0.1	1.46 ± 0.13	0.78 ± 0.05
BPC 4	0.9 ± 0.28	1.3 ± 0.37	1.75 ± 0.47	1.11 ± 0.2	1.16 ± 0.46	1.08 ± 0.22	1.29 ± 0.4	0.66 ± 0.24	0.72 ± 0.51	1.45 ± 0.65	1.45 ± 0.65	1.2 ± 0.43	0.82 ± 0.06	0.77 ± 0.19	1.14 ± 0.22	1.09 ± 0.21	0.88 ± 0.24	0.94 ± 0.06	0.92 ± 0.25	0.79 ± 0.07	0.9 ± 0.3	0.89 ± 0.19
BPA+ BPAP 1	0.88 ± 0.13	1.5 ± 0.26	1.34 ± 0.28	3.97 ± 2.05	3.13 ± 1.33	2.31 ± 0.78*	0.7 ± 0.04*	4.02 ± 2.29	3.35 ± 0.71	0.96 ± 0.07	0.96 ± 0.07	0.9 ± 0.3	1.16 ± 0.58	1.08 ± 0.27	1.28 ± 0.32	1.21 ± 0.08	1.75 ± 0.24*	0.99 ± 0.02	1.47 ± 0.03**	1.03 ± 0.28	5 ± 2.55	1.04 ± 0.01*
BPA+ BPAP 2	0.74 ± 0.31	0.94 ± 0.2	1.5 ± 0.38	2.65 ± 2.1	1.98 ± 0.76	1.15 ± 0.3	0.95 ± 0.27	0.6 ± 0.09	1.95 ± 0.34*	1.09 ± 0.05	1.09 ± 0.05	1.18 ± 0.26	1.03 ± 0.46	1.05 ± 0,16	1.45 ± 0.36	1.08 ± 0.09	1.68 ± 0.53	0.99 ± 0.15	1.05 ± 0.16	1.04 ± 0.33	4.01 ± 2.71	1.09 ± 0.11
BPA+ BPC 1	0.98 ± 0.43	1.11 ± 0.52	1.2 ± 0.11	3.04 ± 0.58*	1.33 ± 0.44	1.84 ± 0.85	1.14 ± 0.33	0.41 ± 0.002**	0.94 ± 0.77	1.09 ± 0.26	1.09 ± 0.26	1.45 ± 0.63	1.27 ± 0.52	0.86 ± 0.28	1.2 ± 0.17	1.14 ± 0.17	1.37 ± 0.52	1.02 ± 0.2	1.13 ± 0.33	1 ± 0.29	4.21 ± 2.40	1.26 ± 0.02*
BPA+ BPC 2	1.06 ± 0.05	1.11 ± 0.3	1.45 ± 0.41	2.29 ± 0.93**	1.94 ± 1.05**	1.39 ± 0.02	1.14 ± 0.41	0.72 ± 0.2	1.19 ± 0.34	1.01 ± 0,07	1.01 ± 0.07	1.04 ± 0.17	1.16 ± 0.35	1.11 ± 0.16*	1.18 ± 0.25	1.3 ± 0.08*	1.19 ± 0.41	0.96 ± 0.18	1.47 ± 0.22	0.87 ± 0.28	3.55 ± 1.96	0.94 ± 0.19
PC BaP	0.43 ± 0.04	0.41 ± 0.05	0.88 ± 0.12	3.03 ± 0,79*	6.77 ± 2.36*	21.40 ± 2.25***	3.30 ± 0.02**	5.99 ± 3.27*	3.31 ± 1.09*	0.76 ± 0.21	1.93 ± 0,65*	2.58 ± 1.03	5.80 ± 0.58*	0.98 ± 0,08	1.76 ± 0.39*	1.08 ± 0.17	1.38 ± 0.25	2.11 ± 0.20**	0.21 ± 0.012 *	1.87 ± 0.18*	0.35 ± 0.07*	1.13 ± 0.37

