

Table S1. Midgut salience ratios of genes differentially regulated in response to acute exposure. Data is shown for genes differentially expressed in each of 4 treatments (High sugar, DEHP, BPA, and the mixture). Background refers to the complete set of genes that passed the quality control steps and entered the analysis of differential expression. “Up” and “Down” identifies gene sets expressed in the midgut and at a level that is above or below the whole organism average, respectively.

Midgut	Background	High sugar	DEHP	BPA	Mixture
Dataset of down-regulated genes (BPP > 0.95)					
Up	1594	30	22	64	86
Down	3545	46	33	90	61
Ratio	0.45	0.65	0.66	0.71	1.41
<i>P-value = 1.006e-11, Fisher's exact test</i>					
Dataset of down-regulated genes (BPP > 0.98)					
Up	1594	11	8	39	56
Down	3545	12	10	23	9
Ratio	0.45	0.91	0.80	1.70	6.22
<i>P-value < 2.2e-16, Fisher's exact test</i>					
Dataset of up-regulated genes (BPP > 0.95)					
Up	1594	45	47	93	84
Down	3545	77	44	95	72
Ratio	0.45	0.58	1.07	0.98	1.17
<i>P-value < 0.001, Fisher's exact test</i>					
Dataset of up-regulated genes (BPP > 0.98)					
Up	1594	13	14	32	28
Down	3545	22	20	40	30
Ratio	0.45	0.59	0.70	0.80	0.93
<i>P-value < 0.002, Fisher's exact test</i>					