

**Table 3**

qRT-PCR Outcomes and Descriptive Statistics for Genes Found to be Significantly Altered by BPA Exposure

Gene	Comparison (n)	Relative Abundance	U	P Value
<b>Hippocampus</b>				
ER $\beta$ ( <i>Esr2</i> )	♂ BPA 25 000 (5) to ♂ Control (4)	9.451	0	.016
	♂ EE 0.05 (5) to ♂ Control (4)	8.209	0	.016
Oxytocin ( <i>Oxt</i> )	♀ BPA 25 (5) to ♀ Control (5)	3.729	2	.032
	♂ BPA 2500 (6) to ♂ Control (5)	0.438	3	.030
	♂ BPA 25 000 (4) to ♂ Control (5)	0.434	1	.032
<b>Hypothalamus</b>				
ER $\alpha$ ( <i>Esr1</i> )	♀ BPA 2.5 (6) to ♀ Control (5)	6.055	0	.004
	♀ BPA 250 (5) to ♀ Control (5)	5.254	1	.016
	♀ BPA 25 000 (5) to ♀ Control (5)	3.514	0	.008
ER $\beta$ ( <i>Esr2</i> )	♀ BPA 2.5 (6) to ♀ Control (5)	5.507	1	.009
	♀ BPA 250 (5) to ♀ Control (5)	3.534	2	.032
	♀ BPA 25 000 (5) to ♀ Control (5)	2.810	2	.032
	♀ Control (4) to ♂ Control (6)	0.230	2	.038
Oxytocin ( <i>Oxt</i> )	♀ BPA 2.5 (6) to ♀ Control (5)	8.795	3	.030
	♀ BPA 250 (5) to ♀ Control (5)	6.200	1	.016
	♀ EE 0.05 (5) to ♀ Control (5)	16.245	2	.032
	♂ BPA 25 (5) to ♂ Control (5)	20.757	2	.032
	♂ Control (5) to ♂ EE 0.5 (5)	11.965	0	.008
Prostaglandin D2 synthase ( <i>Ptgds</i> )	♀ EE 0.5 (5) to ♀ Control (6)	5.927	1	.009
	♂ EE 0.5 (5) to ♂ Control (6)	7.365	2	.017
GABA vesicular transporter ( <i>Slc32a1</i> )	♀ BPA 2.5 (6) to ♀ Control (6)	5.247	0	.004
	♀ BPA 250 (5) to ♀ Control (5)	4.398	0	.008
	♀ BPA 25 000 (5) to ♀ Control (5)	3.761	2	.032
	♀ EE 0.05 (5) to ♀ Control (5)	4.329	1	.016
	♂ EE 0.5 (5) to ♂ Control (5)	1.878	3	.030
	♀ Control (4) to ♂ Control (6)	0.210	0	.010

For each group, the sample size is listed in parentheses.