

Table 1

Candidate and Novel Genes Assessed With qRT-PCR

ABI Assay Number	Gene	Description	NCBI Accession Number	Region of Interest	Rationale for Analysis	References
Rn03928990_g1	<i>18s</i>	<i>R. norvegicus</i> 18S ribosomal RNA	NR_046237	Both	Endogenous control	
Rn01640372_m1	<i>Esr1</i>	<i>R. norvegicus</i> estrogen receptor1 (ER α)	NM_012689.1	Both	Coordinate estrogen signaling, can be nuclear or membrane bound, bind BPA	42–44
Rn00562610_m1	<i>Esr2</i>	<i>R. norvegicus</i> estrogen receptor2 (ER β)	NM_012754.1	Both	Coordinate estrogen signaling, can be nuclear or membrane bound, bind BPA	42–44
Rn00564446_g1	<i>Oxt</i>	<i>R. norvegicus</i> oxytocin/neurophysin 1 prepropeptide	NM_012996.3	Both	Mediates affiliation, social behavior, and mood, responsive to estrogen, altered by perinatal BPA	29, 45
Rn00564605_m1	<i>Ptgds</i>	<i>R. norvegicus</i> prostaglandin D2 synthase (brain)	NM_013015.2	Both	Plays role in neuroprotection; sexually dimorphic expression in neonates; differential expression observed in RNA-seq	46–48
Rn00691548_m1	<i>S1c1a2</i>	<i>R. norvegicus</i> solute carrier family 1 member 2, transcript variant 2	NM_001035233.1	Both	Represents primary excitatory pathway; differential expression observed in RNA-seq	49

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Rn00824654_m1	<i>Slc32a1</i>	<i>R. norvegicus</i> solute carrier family 32, member 1	NM_031782.1	Both	Represents primary inhibitory signaling pathway; differential expression observed in RNA-seq	50
Rn01433205_m1	<i>Lepre</i>	<i>R. norvegicus</i> leptin receptor	NM_012596.1	Hypothalamus	Signaling altered by BPA in vitro; differential expression observed in RNA-seq	51