

Supplementary Material

Short-Term Exposure to Benzo(a)Pyrene Causes Disruption of GnRH Network in Zebrafish Embryos

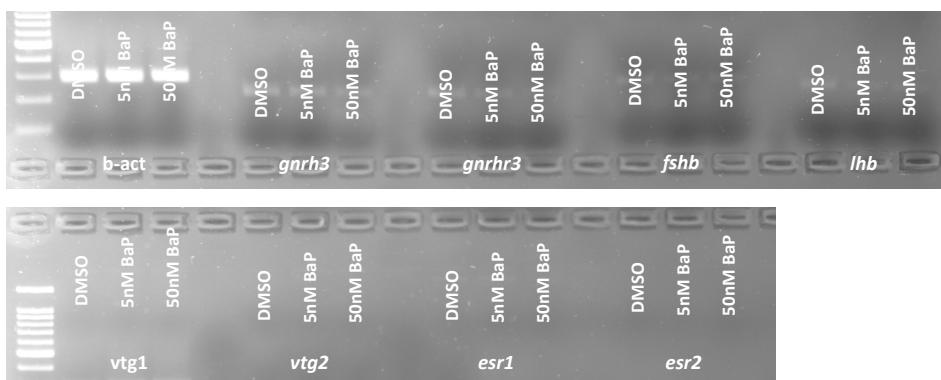
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Supplementary Figure S1: Electrophoresis of qPCR products of *b-actin*, *gnrh3*, *gnrhr3*, *fshb*, *lhb*, *vtg1*, *vtg2*, *esr1*, and *esr2*. Representative qPCR samples were run on 3% agarose gel and acquired using c600 Azure Imaging System (Azure Biosystems).

Supplementary Table S1: List of qPCR primers used in this study

Gene (NCBI geneID/ NM)	Primer Sequence (5'-3')	Gene (NCBI geneID/ NM)	Primer Sequence (5'-3')
<i>b-actin</i> (ID: 57934 / NM_131031.1)	<i>b-act1</i> -Fw: GTGCTAGACTCTGGTATGGTGTG <i>b-act1</i> -Rv: GGTGATGACCTGACCTGACCGTC	<i>fshb</i> (ID: 402919 / NM_205624.1)	<i>fshb</i> -Fw: GGACTATGCTGGACAATGGATC <i>fshb</i> -Rv: ACAGCTCAGAGGCCACGGG
	<i>sod1</i> (ID: 30553 / NM_131294.1)	<i>lhb</i> (ID: 402917 / NM_205622.2)	<i>lhb</i> -Fw: TGTATTGGCTGAAATGGTGTC <i>lhb</i> -Rv: CGGGCTCTGTAAACCGGGAT
<i>sod2</i> (ID: 335799 / NM_199976.1)	<i>sod2</i> -Fw: TCATCACAGCAAGCACCATG <i>sod2</i> -Rv: GGTGTGACATCACCCCTGG	<i>esr1</i> (ID: 259252 / NM_152959.1)	<i>esr1</i> -Fw: CTGGAAGTGTGATGATTGGC <i>esr1</i> -Rv: ATGCACCAGAATTGATGAGTATG
	<i>cat</i> (ID: 30068 / NM_130912.2)	<i>esr2a</i> (ID: 317734 / NM_180966.2)	<i>esr2a</i> -Fw: CGACTCCGCAAGTGCTATGA <i>esr2a</i> -Rv: CGCCTCTAGAATAACAGCTAACCA
<i>ogg1</i> (ID: 158858 / NM_001123308.2)	<i>ogg1</i> -Fw: CTTCACAGGACTGGCTTGC <i>ogg1</i> -Rv: AGCTTTGACCATGCCCTG	<i>vtg1</i> (ID: 559475 / NM_001044897.3)	<i>vtg1</i> -Fw: TCACTGCTGATCCCTGAAACCAT <i>vtg1</i> -Rv: GGTGACCAGCATGCCCA
	<i>casp3a</i> (ID: 140621 / NM_131877.3)	<i>vtg2</i> (ID: 559931 / NM_001044913.1)	<i>vtg2</i> -Fw: GACATTCTCAAGGGCAACTACAAG <i>vtg2</i> -Rv: GACCAGGAGCTTCACAGGAGT
<i>casp3b</i> (ID: 566604 / NM_131889.4)	<i>casp3b</i> -Fw: TCTGGCATIGAGITGTGACGG <i>casp3b</i> -Rv: TATCCTGGTGCGGTGGAGTA	<i>gnrhr3</i> (ID: 564687 / NM_001177450.1)	<i>gnrhr3</i> -Fw: CGGCAGTTTCAGCGAGC <i>gnrhr3</i> -Rv: GGACAGCACAATGATGAGGG