

Supplementary material:

Polycyclic aromatic hydrocarbons activate the aryl hydrocarbon receptor and the constitutive androstane receptor to regulate xenobiotic metabolism in human liver cells

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Table S1: Plasmids used for transfection of HepG2 cells.

reporter gene assay	Plasmid	plasmid amount [ng/well]
AHR	pGL4.26-XRE6	40
CAR	pcDNA5-GAL4/DBD-hCAR/LBD(+3aa)	50
	pGAL4-(UAS)5-TK-LUC	40
for both assays	pcDNA3-RLuc	1

Table S2: Primer sequences used for gene expression analyses.

gene	sequence	
<i>CYP1A1</i>	forward	5'-ACCCTGAAGGTGACAGTTCC-3'
	reverse	5'-TCTTGGAGGTGGCTGAGGTA-3'
<i>CYP1A2</i>	forward	5'-CTTCGCTACCTGCCTAACCC-3'
	reverse	5'-CCCGGACACTGTTCTTGTCA-3'
<i>CYP2B6</i>	forward	5'-TTCGGCGATTCTCTGTGACC-3'
	reverse	5'-ATGAGGGCCCCCTTGGAT-3'
<i>ACTB</i>	forward	5'-CCTTGACATGCCGGAG-3'
	reverse	5'-GCACAGAGCCTCGCCTT-3'
<i>GAPDH</i>	forward	5'-GTCAAGGCTGAGAACGGGAA-3'
	reverse	5'-AAATGAGCCCCAGCCTTCTC-3'