



Supplementary Figure 3 Different Induction of *cyp1a1* transcription by atypical AhR ligands. QT-PCR analysis of rat liver *cyp1a1* (A), kidney *cyp1a1* (B) and kidney *slco4c1* (C) after administration of flutamide (15.6 mg/kg/day) or omeprazole (125 mg/kg/day). Compounds were administered to Sprague-Dawley rats in corn oil by oral gavage once daily in the morning (Coe et al, 2006). Three days after administration, the mRNA level was measured by QT-PCR. * $P < 0.05$ ($n = 3$ per group). (D) Alignment of representative XRE motifs (Wu & Whitlock, 1993) and putative consensus sequence (Nioi & Hayes, 2004). Note that, although the XRE core sequence is conserved in human *SLCO4C1*, its surrounding 5'- and 3'-nucleotide sequences were not identical to the other XRE consensus motifs. O, consensus pattern; X, non-consensus pattern.

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Nioi P, Hayes JD (2004) Contribution of NAD(P)H:quinone oxidoreductase 1 to protection against carcinogenesis, and regulation of its gene by the Nrf2 basic-region leucine zipper and the arylhydrocarbon receptor basic helix-loop-helix transcription factors. *Mutat Res* **555**: 149-171

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