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.

