



Supplementary materials

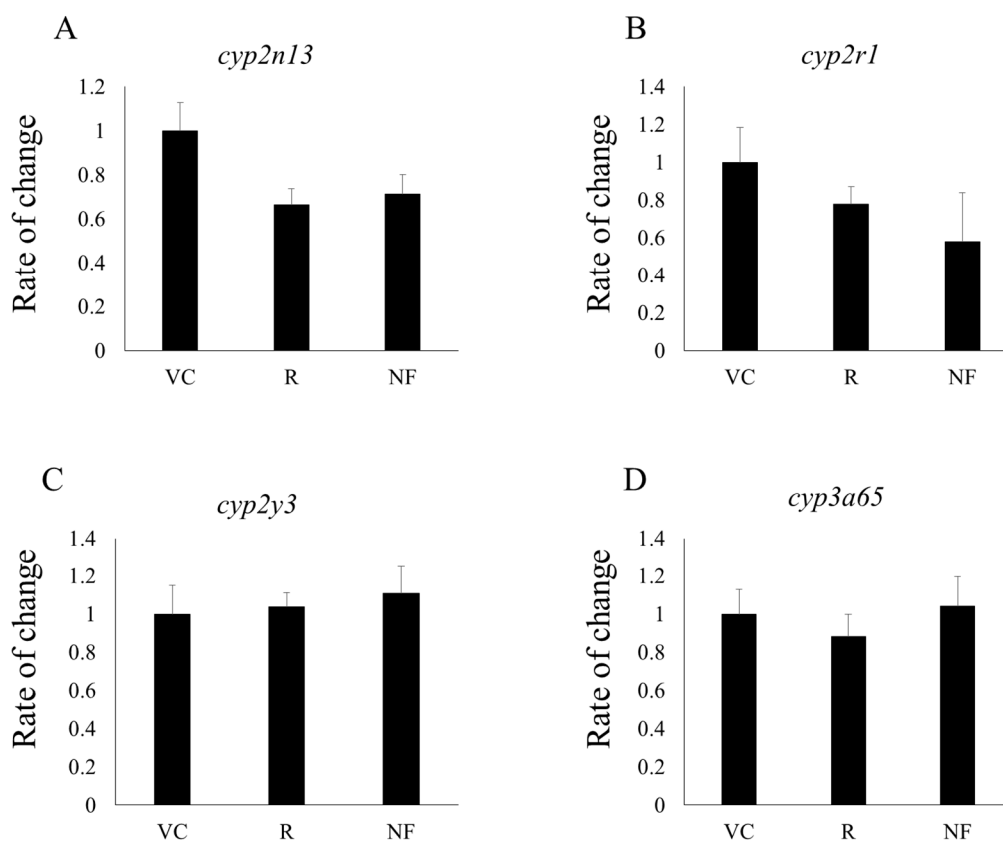


Figure 1. Effects of cytochrome P450 inducers on expression of a several CYP subtypes. Zebrafish embryos or larvae were exposed to 100 μ M rifampicin (R) and 100 μ M β -naphthoflavone (NF) from 26 hpf. VC means vehicle control (0.1% DMSO). cDNAs of larval zebrafish were prepared at 55 hpf for qPCR measurement of some CYP subtypes that showed positive signals by inducers with in situ hybridization.

Table S1. Primers used for quantitative real-time PCR

Primers	Sequence (5'-3')
<i>cyp1a</i> -F	TGCCGATTCATCCCTTTCC
<i>cyp1a</i> -R	AGAGCCGTA CTGATAGTGTC
<i>cyp1b1</i> -F	TCAGCTCGGTAACACTCCTC
<i>cyp1b1</i> -R	GGAATGAAGCAAAGTCGGGT
<i>cyp1c1</i> -F	GCGTAATTGAGCACGGGA
<i>cyp1c1</i> -R	CATCCATTGCATTGCTGTT
<i>cyp1c2</i> -F	TGGTGTAATGGATCATGCAG
<i>cyp1c2</i> -R	GCAGAAGCATCCAATTAAGC
<i>cyp1d1</i> -F	CGCCCTGACCTCTATACCTT
<i>cyp1d1</i> -R	GGATCAATCCCAGAGTCTCC
<i>cyp2ad2</i> -F	TGATCCAAACGAATGGGAAACC
<i>cyp2ad2</i> -R	TCAC TTGTTCTAACGTACAGAG
<i>cyp2k18</i> -F	CAACAGCAGCCTCTCTTTCTC
<i>cyp2k18</i> -R	AGCGTCTGATTGCACACAG
<i>cyp2n13</i> -F	GCTTCATCCCAAAGGGCA
<i>cyp2n13</i> -R	CAGATCTTGAACGGGTGTGG
<i>cyp2r1</i> -F	CCGAGCCTCTCAGCGAAATTGG
<i>cyp2r1</i> -R	GTCAACATCAGAGGTCAG
<i>cyp2y3</i> -F	TGGAATGGGACGCAAACGAA
<i>cyp2y3</i> -R	CACCAGAGAGCAGATGACGT
<i>cyp3a65</i> -F	GGTACTTCAAGAAGCTGGGC
<i>cyp3a65</i> -R	GGTCACCACATCCATACTGTACG
<i>cyp3c1</i> -F	TAGAACTCCGTGTTGAGGAGCGG
<i>cyp3c1</i> -R	GCCTTCCATCATAGATCCCCC
<i>cyp3c2/3</i> -F	GCAAGCGAGGCATTTTACA
<i>cyp3c2/3</i> -R	TAAACACATCCACAAGGCCA
<i>cyp3c4</i> -F	CATTICTGTCGTGACCTGG
<i>cyp3c4</i> -R	ATTTTAACTGGCTGCTCCGGG

Table S2. Primers used for preparation of probes for *in situ* hybridization

Primers	Sequence (5'-3')
<i>cyp2n13</i> -F	GCTTCATCCCAAAGGGCA
<i>cyp2n13</i> -R	CAGATCTTGAACGGGTGTGG
<i>cyp2r1</i> -F	CCGAGCCTCTCAGCGAAATTGG
<i>cyp2r1</i> -R	GTCAACATCAGAGGTCAG
<i>cyp2y3</i> -F	TGGAATGGGACGCAAACGAA
<i>cyp2y3</i> -R	CACCAGAGAGCAGATGACGT
<i>Cyp3a65</i> -F	GGTACTTCAAGAAGCTGGGC
<i>Cyp3a65</i> -R	GGTCACCACATCCATACTGTACG