

Table S1. Primers used for mutagenesis of AHR1 $\beta$ .

Mutation	Strand	sequences
T253A	sense	5'-cacagctagcccttttcgctttggctactccacta-3'
	anti-sense	5'-tagtggagttagcceaagcgaaaagggctagctgtg-3'
S263P	sense	5'-ggctactccactacagcctccttcaatcctgga-3'
	anti-sense	5'-tccaggattgaaggaggctgtagtggagttagcc-3'
S294Q	sense	5'-attggttgtgatgccaaaggccagatggtgctgggatatacagaa-3'
	anti-sense	5'-ttctgtatatcccagcaccatctggcctttggcatcacaaccaat-3'
N325S	sense	5'-cagatatgctctattgtgcagagagtcatacccgatg-3'
	anti-sense	5'-cattcgggtatgactctctgcacaatagagcatatctg-3'
A354S	sense	5'-gatgggtctgggttcaatcaaacgctcgactagtc-3'
	anti-sense	5'-gactagtgcgagcgtttgattgaaccagaccatc-3'
A370S	sense	5'-aaaatgggagaccggattatatcatttcatacaaaagagcac-3'
	anti-sense	5'-gtgctctttgtgatgaaatgatataatccggtctcccatttt-3'
S371T	sense	5'-gaccggattatatcattgcaacgcaaagagcactaacagagga-3'
	anti-sense	5'-tcctctgttagtgctctttgcggttgcaatgatataatccggtc-3'
KHSR	sense	5'-ggcatgactgtgttttagactccttactaaacattctagatgggtctgggttcaag-3'
	anti-sense	5'-cttgaaccagaccatctagaatgttttagtaaggagtcataaacacagtcatgcc-3'