

**Table S9. Primer Sequences Used in This Study**

Primers	Sequence 5'-3'	Purpose
<i>Fusobacterium nucleatum</i>	Forward primer: AAGCGCGTCTAGGTGGTTATGT Reverse primer: TGTAGTTCCGCTTACCTCTCCAG FAM probe: CAACGCAATACAGAGTTGAGCCCTGCATT	qPCR
CYP2J2	Forward primer: TGTCAAAGCACACAGGCAATCC Reverse primer: GCAGAGCCCATCGCAGAGTT FAM probe: TGAAGAAAACCTCATCTGCAGCACCC	qPCR
CYP2C8	Forward primer: TTTCATCCTGGGCTGTGCT Reverse primer: AGTAGAGGGAAATTATTGCAGACC FAM probe: TCTGCTCCGTTGTTT	qPCR
CYP2C9	Forward primer: AAGAGGAGCATTGAGGACCG Reverse primer: GCACAGCCCAGGATGAAAGT FAM probe: AAGAGGAAGCCCGC	qPCR
CYP2C18	Forward primer: AAGGGCACGACCATAATAACA Reverse primer: TGCTGAGAAAGGCATGAAGTAG FAM probe: CTGACTTCTGTGCTGC	qPCR
CYP2C19	Forward primer: ACGTGTCATTGGCAGAAACC Reverse primer: CCCTTGGGAATGAGGTAGTTT FAM probe: CCACATGCCCTACACA	qPCR
$\beta$ -actin (Homo)	Forward primer: TAGTTGCGTTACACCCTTTCTTG Reverse primer:	qPCR

	TCACCTTCACCGTTCAGTTT	
	FAM probe:	
	ACCTAACTTGCGCAGAAAACAAGAT	
GAPDH	Forward primer:	qPCR
(Homo)	TCAAGAAGGTGGTGAAGCAGG	
	Reverse primer:	
	TCAAAGGTGGAGGAGTGGGT	
Cyp2j5	Forward primer:	qPCR
	AGCTGCTGTCACCTTCCTTTT	
	Reverse primer:	
	TGCGTCAAGTCCATCTGGAAC	
Cyp2j6	Forward primer:	qPCR
	TTAGCCACGATCTGGGCAG	
	Reverse primer:	
	CTGGGGGATAGTTCTTGGGG	
Cyp2j8	Forward primer:	qPCR
	TAGAACAACGCATACAGGAT	
	Reverse primer:	
	GAGCATTAACACCTTTGATGCC	
Cyp2j9	Forward primer:	qPCR
	TGGCTGATTCCTCAAAAACCG	
	Reverse primer:	
	ACTGCTGAAGGGATAGGTGGG	
Cyp2j13	Forward primer:	qPCR
	AGCTGCTGTCACCTTCCTTTT	
	Reverse primer:	
	TGCGTCAAGTCCATCTGGAAC	
Cyp2c37	Forward primer:	qPCR
	GAATGAAATAACAAAGATT	
	Reverse primer:	
	GCCTATTTTGCAATGGTTGA	
Cyp2c38	Forward primer:	qPCR
	CACGGCCCATTGTTGTATTGC	
	Reverse primer:	
	TGAGTGTGAAACGTCTTGTCTCT	
Cyp2c39	Forward primer:	qPCR
	GAGGAAGCATTCCAATGGTAGAA	
	Reverse primer:	
	TGTGAAGCGCCTAATCTCTTTC	
Cyp2c40	Forward primer:	qPCR
	GGCTCACAGCCTATTGTGGTA	
	Reverse primer:	

	TCAAAAACCGGAATCCTTCCTC	
Cyp2c44	Forward primer: GCTGCCCTATACAGATGCCG Reverse primer: GTGACGCTAAGAGTTGCCCA	qPCR
Cyp2c50	Forward primer: ACTGTGGTGTTCATGGATATG Reverse primer: GAGAAGCGCCTTGTGTTTTTC	qPCR
Cyp2c54	Forward primer: TCATCCTTTGAAAAATAATT Reverse primer: GGGCAGGTTGTTGGGGACAA	qPCR
Cyp2c55	Forward primer: AATGATCTGGGGGTGATTTTCAG Reverse primer: GCGATCCTCGATGCTCCTC	qPCR
Cyp2c65	Forward primer: ACAACCCAAAGACGGAGTTTAC Reverse primer: CTGTCCCAGCAGCAAACAGAT	qPCR
Cyp2c70	Forward primer: AGTATGGCCCTGTGTTTACTGT Reverse primer: GCCTTGGCTGGTTCTACTGAG	qPCR
Gapdh (Mus)	Forward primer: AGGTCGGTGTGAACGGATTTG Reverse primer: TGTAGACCATGTAGTTGAGGTCA	qPCR
shRNA-CYP2J2	Forward primer: GATCCGGAGCTTGGTGACATATCTTTCAAGAGAAGATAT GTCACCAAGCTCCTTTTTTG Reverse primer: AATTCAAAAAGGAGCTTGGTGACATATCTTCTCTTGAA AGATATGTCACCAAGCTCCG	Lentivirus packaging
CYP2J2 Overexpression	Forward primer: AGGTCGACTCTAGAGGATCCCGCCACCATGCTCGCGGC GATGGGCTCTCTGGCGGCTGCCCTCTGGG Reverse primer: TCCTTGTAGTCCATACCCACCTGAGGAACAGCGCAGAG GC	Lentivirus packaging
shRNA-Nrf2	Forward primer:	Lentivirus

	CCGGCTTGCATTAATTCGGGATATACTCGAGTATATCCCG AATTAATGCAAGTTTTTG Reverse primer: AATTCAAAACTTGCATTAATTCGGGATATACTCGAGTAT ATCCCGAATTAATGCAAG	packaging
Keap1 Overexpression	Forward primer: CCTAGCTAGCCCACCATGTAAACCCCATGCAGCCAGATC CC Reverse primer: CATTGGATCCGTGCTTCAAAGTGCCTCAACAGGTAC	Lentivirus packaging
Nrf2 Overexpression	Forward primer: GAATCGCTAGCCATCATGATGGACTTGGAGCTGC Reverse primer: GGCCGGATCCCTAAATCTAGTTTTTCTTAACATCTGG	Lentivirus packaging
pGL3-WT (CYP2J2) SITE 1: 59892100- 59892145	Forward primer: CTGCTGACTTCTCAGAGGATCAGTCTGAGACAGAAACA AGATAACGCATGCACAGTGCTAC Reverse primer: GGAGCAGCCACAGAAGTGAGCTATGAAGACTCCCCAGT TTGGTAGCACTGTGCATGCGTTATC	Luciferase activity assay
pGL3-MT (CYP2J2) SITE 1: 59892100- 59892145	Forward primer: CTGCCCATGACCTTGTGGATCAGTCTGAGACAGAAACA AGATAACGCATGCACAGTGCTAC Reverse primer: GGAGCAGCCACAGAAGTGAGCTATGAAGACTCCCCAGT TTGGTAGCACTGTGCATGCGTTATC	Luciferase activity assay
pGL3-WT (CYP2J2) SITE 2: 59893075- 59893176	Forward primer: CTTCGTGTACTATCAGTGTTACCTGGCCTTCTATTTTCATA ATCCTTATCTTCCTTCAGC Reverse primer: CAGAAATGCCAAAATCCTGCTCACTCACTCTAGGTGTGG CTGCTGAAGGAAGATAAGGA	Luciferase activity assay
pGL3-MT (CYP2J2) SITE 2: 59893075- 59893176	Forward primer: CTTCGTGTACTATCAGTGTTACCTGGCCTTCTATTTTCATA ATCCTTATCTTCCTTCAGC Reverse primer: CAGAAATGCCAAAATCCCATGACCTTGTCTAGGTGTGG CTGCTGAAGGAAGATAAGGA	Luciferase activity assay
CYP2J2 promoter	Forward primer: ACCTGCCCTGCTGACTTCTC Reverse primer: CCTAGGAGCAGCCACAGAAG	ChIP

shRNA-Nrf2	Forward primer: CCGGCTTGCATTAATTCGGGATATACTCGAGTATATCCCG AATTAATGCAAGTTTTTG Reverse primer: AATTCAAAACTTGCATTAATTCGGGATATACTCGAGTAT ATCCCGAATTAATGCAAG	ChIP
TLR4	Forward primer: ACTTTATCCAACCAGGTGCAT Reverse primer: GCTAATCGGAATTCTTCAATGGTC	qPCR
Keap1	Forward primer: CCTGCACAACTGTATCTATGCT Reverse primer: CTGTATCTGGGTCGTAACACTCC	qPCR
Nrf2	Forward primer: AAAGAATTGCCTGTAAGTCCT Reverse primer: CCCTCCTACGTATATCCCGAA	qPCR

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ChIP, chromatin immunoprecipitation; qPCR, quantitative polymerase chain reaction.