TABLE S1 List of primers for RT-qPCR analysis

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|  | Gene | Sequence |
| AHR target genes | *CYP1B1* | Sense 5’- GAGAACGTACCGGCCACTATC-3’Antisense 5’- CGACCTGATCCAATTCTGCCT-3’ |
| *ALDH1A3* | Sense 5’- TGTAACCCTTCAACTCGGGA -3’Antisense 5’- CCTCTGGAAGGCAACCTGT -3’ |
| *CYP27A1*  | Sense 5’- GACCAGCACGACCTGACCTA -3’Antisense 5’- TCCGTATAGAGCGCTGCTTC -3’ |
| *BMF*  | Sense 5’- AAGGTGTCATGCTGCCTTGT -3’Antisense 5’- CAAGACTGCTGGGAAACTGG -3’ |
| *ASB2* | Sense 5’- CCGGACATCTCCAACAAATC -3’Antisense 5’- TGGTGTCTGCATTGTGCTG -3’ |
| HIF target genes | *NDRG1* | Sense 5′- TAACGTGGAAGTGGTCCACAC -3′Antisense 5′- ATTGGTCGCTCAATCTCCAG -3  |
| *PFKFB4* | Sense 5′- AATTATCCACTGGAGTTCGCC -3′Antisense 5′- AGCTCCATGATGACAGGCTC -3′ |
| *INSIG2* | Sense 5′- ATTGGTCGACAACTGGCAAT -3′Antisense 5′- TTTTGCCTTCTTCATTCCTGAT -3′ |
| *ANKRD37* | Sense 5′- CGCTGACCTCAACCAGCA -3′Antisense 5′- AATTTGGGCATCACTGGCTA -3′ |
| *ARL10* | Sense 5′- CCTGACCTGCCTGTCGTC -3′Antisense 5′- AAAACCTCCCGCTGGTTATC -3′ |
|  | *HPRT1* | Sense 5′- CTGAGGATTTGGAAAGGGTGT-3′Antisense 5′- CATCTCGAGCAAGACGTTCA-3′ |