

# Supplementary Materials: Role of Mitochondrial DNA Copy Number Alteration in Human Renal Cell Carcinoma

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**Table S1.** Summary of the analyzed target genes and oligonucleotide sequences of the primers used to amplify the indicated genes.

DNA	Forward Primer Sequence	Reverse Primer Sequence
mtDNA <sup>1</sup>	CACCCAAGAACAGGGTTTGT	TGGCCATGGGTATGTTGTAA
nDNA <sup>2</sup>	TAGAGGGACAAGTGGCGTTC	CGCTGAGCCAGTCAGTGT
pLKO.1	ACAAAATACGTGACGTAG	CTGTTGCTATTATGTCTAC
Messenger RNA (mRNA)	Forward Primer Sequence	Reverse Primer Sequence
Reference Gene		
18S rRNA	CTCAACACGGGAAACCTCAC	CGCTCCACCAACTAAGAACG
Target Genes		
<i>TFAM</i>	CAACTACCCATATTTAAAGCTCAGAA	GAATCAGGAAGTTCCTCCA
<i>ND1</i>	CCACCCTTATCACAAACAAGA	TCATATTATGGCCAAGGGTCA
<i>ND6</i>	GGTGCTGTGGGTGAAAAGAGT	AACCCTGACCCCTCTCCTT
<i>PDK-1</i>	CAAGACCTCGTGTGAGACCT	ACGTGATATGGGCAATCCAT
<i>PDHA1</i>	TCCGAGAGGCAACAAGGTT	AAGTCTGCAGCTCCATCAGG
<i>HK-II</i>	CCCTGCCACCAGACTAAACT	TGGACTTGAATCCCTTGTC
<i>GPI</i>	GGAAGGGTCTGCATCAAAG	CCTCATCAGGGCCTCTGTC
<i>PFK</i>	AGGAGGGGAAGGGCATCT	TTCTATCAAATGGGGTTGG
<i>LDHA</i>	GCAGATTGGCAGAGAGTATAATG	GACATCATCCTTTATCCGTAAGAC

<sup>1</sup> The mtDNA analyzed region was tRNA<sup>Leu</sup> gene; <sup>2</sup> The nDNA analyzed region was 18S rRNA gene; TFAM, mitochondrial transcriptional factor A; ND1, NADH dehydrogenase subunit 1; ND6, NADH dehydrogenase subunit 6; PDK1, pyruvate dehydrogenase kinase 1; PDHA1, pyruvate dehydrogenase E1 component alpha subunit; HK-II, hexokinase II; GPI, glucose 6-phosphate isomerase; PFK, phosphofructokinase and LDHA, lactate dehydrogenase subunit A.