

Supplemental Table 1. Primers and annealing temperature

Gene	Sequence ID	Primer sequence (5'-3')	Annealing	Size
			Temperature (°C)	(bp)
Nox1	NM_013955	F: CACTGACATCGTGACAGGTCTGAA R: CTGGAATATCGGTGACAGCATTG	56	171
Nox2	NM_000397	F: GCAATAACGCCACCAATCTGAAG R: GACTCATCCCAGCCAGTGAGGTA	58	175
Nox3	NM_015718	F: GGTTCTGGCGATTTCAACAA R: AAGCCACGCTTTTTTCATGTG	60	91
Nox4	NM_016931	F: GTATGGAAGAGCCCAGATTCC R: GGTGACTGGCTTATTGCTCC	60	122
Nox5	NM_024505	F: ACAGGAGAAGATGAACACATCTGGA R: GCATCCTCCTCGGCACTCAT	59	84
Doux1	NM_017434	F: CTGGTCTTCAAGTCATCCGTCA R: TGTCAGCCAGCCACTCAAAC	60	100
Doux2	NM_014080	F: GAGTTGGGTGACCAGCTGTCCTA R: TTCAGCCTGGCTCTTGCGTA	62	135
P22phox	NM_000101	F: CAGTGGTACTTTGGTGCCTACTCC R: GGTGGAGCCCTTCTTCCTCT	60	90
CYP11B2	NM_000498	F: GGAGCAGGGTTATGAGCAC R: GTGGTCCTCCCAAGTTGTAC	-	89
GAPDH	NM_002046	F: GCACCGTCAAGGCTGAGAAC R: TGGTGAAGACGCCAGTGGA	55	138

Table 2. Correlation analysis of biological data with Nox2 IRS, p22phox IRS, Nox2 IRS×V and p22phox IRS×V in APA

Variable	R (Nox2 IRS)	<i>P</i> value	R (Nox2 IRS×V)	<i>P</i> value	R (p22phox IRS)	<i>P</i> value	R (p22phox IRS×V)	<i>P</i> value
PAC	0.057	0.770	0.503	0.005	0.036	0.853	0.289	0.128
PRA	0.30	0.878	0.104	0.590	-0.107	0.582	-0.125	0.517
ARR	0.20	0.919	0.168	0.383	0.294	0.121	0.239	0.211
Uri-aldo	-0.042	0.830	0.466	0.011	-0.023	0.950	0.230	0.231
Serum K ⁺	0.019	0.923	-0.550	0.002	0.109	0.575	-0.015	0.939
Diameter	-0.026	0.285	0.775	0.001	-0.141	0.465	0.42	0.012

Abbreviations: PAC, plasma aldosterone concentration; PRA, plasma renin activity; ARR, aldosterone-to-renin ratio; Uri-aldo, 24h urinary aldosterone; IRS, immunoreactivescore; V, volume.