

Table S8: Relative mRNA levels of oxidative stress molecules in heart, aorta and lung**Heart*****Ncf1***

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	2.74	0.37	0.000	
DD	LT	0.57	0.06	0.000	0.000
DD	AT	0.95	0.18	0.377	0.002
DD/ <i>Ncf1</i> -	NT	1.10	0.03	1.000	0.000
PD	NT	0.70	0.05	0.346	0.000
D/P	NT	1.95	0.35	0.000	0.017

Ncf2

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.92	0.20	0.000	
DD	LT	0.82	0.02	0.000	0.000
DD	AT	0.69	0.10	0.000	0.000
DD/ <i>Ncf1</i> -	NT	0.73	0.10	0.003	0.000
PD	NT	1.10	0.13	0.737	0.000
D/P	NT	0.72	0.05	0.000	0.000

Nox2/Cybb

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.99	0.19	0.000	
DD	LT	1.10	0.07	0.004	0.030
DD	AT	1.67	0.04	0.000	0.127
DD/ <i>Ncf1</i> -	NT	1.28	0.07	0.232	0.005
PD	NT	1.13	0.09	1.000	0.000
D/P	NT	1.95	0.29	0.000	1.000

Nox4

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	2.72	0.28	0.002	
DD	LT	0.91	0.07	0.008	0.000
DD	AT	2.15	0.21	0.000	0.062
DD/ <i>Ncf1</i> -	NT	0.78	0.08	1.000	0.027
PD	NT	1.10	0.24	1.000	0.028
D/P	NT	1.35	0.76	1.000	0.060

Cyba

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.15	0.14	1.000	
DD	LT	0.80	0.05	0.084	0.015
DD	AT	1.04	0.08	0.106	0.724
DD/ <i>Ncf1</i> -	NT	0.64	0.02	0.280	0.102
PD	NT	1.12	0.27	1.000	1.000
D/P	NT	1.52	0.31	0.002	0.303

Rac2

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.32	0.12	0.000	
DD	LT	0.96	0.10	0.246	0.013
DD	AT	1.27	0.07	0.000	1.000
DD/ <i>Ncf1</i> -	NT	1.11	0.08	0.069	0.069

Table S8: Relative mRNA levels of oxidative stress molecules in heart, aorta and lung**Aorta*****Ncf1***

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	2.34	0.18	0.000	
PD	NT	0.76	0.14	0.068	0.000
D/P	NT	1.62	0.13	0.002	0.003

Ncf2

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.78	0.07	0.002	
PD	NT	0.86	0.14	0.100	0.004
D/P	NT	0.96	0.17	0.762	0.026

Nox2/Cybb

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.81	0.03	0.011	
PD	NT	1.03	0.02	0.770	0.000
D/P	NT	1.94	0.12	0.002	0.258

Nox4

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	2.52	0.02	0.000	
PD	NT	1.04	0.11	0.701	0.001
D/P	NT	1.62	0.21	0.028	0.016

Cyba

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.03	0.10	0.233	
PD	NT	0.99	0.07	0.911	0.371
D/P	NT	1.33	0.08	0.032	0.006

Table S8: Relative mRNA levels of oxidative stress molecules in heart, aorta and lung**Lung*****Ncf1***

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	2.71	0.23	0.000	
PD	NT	0.69	0.01	0.010	0.000
D/P	NT	1.75	0.34	0.021	0.014

Ncf2

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.86	0.24	0.018	
PD	NT	1.02	0.11	0.824	0.042
D/P	NT	1.02	0.07	0.223	0.016

Nox2/Cybb

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	2.40	0.14	0.004	
PD	NT	1.10	0.02	0.111	0.004
D/P	NT	2.07	0.36	0.045	0.285

Nox4

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	2.21	0.29	0.003	
PD	NT	0.95	0.11	0.622	0.012
D/P	NT	1.63	0.15	0.094	0.149

Cyba

Genotype	Intervention	Mean	SD	P vs WT	P vs DD
DD	NT	1.58	0.13	0.018	
PD	NT	0.95	0.10	0.623	0.005
D/P	NT	0.99	0.02	0.923	0.013