

Supplementary Tables

Supplementary Table S1: Echocardiographic Measurements of NTg and Tg MAOA mice at 9 and 13 weeks.

Data are expressed as means \pm SEM. *p < 0.05, **p < 0.01 vs NTg

Age	9 weeks		13 weeks	
Genotype	NTg	Tg MAOA	NTg	Tg MAOA
Number of animals	5	8	5	7
FS (%)	33,76 \pm 1,61	31,66 \pm 1,76	34,08 \pm 1,22	26,75 \pm 1,61 **
LVEF (%)	63,15 \pm 2,25	60,07 \pm 2,67	63,92 \pm 1,8	52,56 \pm 2,65 **
LV mass (mg)	130,3 \pm 5,93	129,6 \pm 6,87	113,5 \pm 5,34	138,6 \pm 6,81 *
LIVDd (mm)	3,998 \pm 0,16	3,856 \pm 0,18	3,564 \pm 0,15	3,996 \pm 0,11 *
LIVDs (mm)	2,650 \pm 0,12	2,694 \pm 0,15	2,344 \pm 0,21	2,848 \pm 0,14
Heart rate (bpm)	559,5 \pm 15,10	538,4 \pm 10,97	563,1 \pm 11,59	537,5 \pm 8,686

FS, Fractional shortening; LVEF, left ventricular ejection fraction ; LV mass, left ventricular mass ; LIVDd, diastolic left ventricular dimension; LIVDs, systolic left ventricular dimension

Supplementary Table S2: Antibody list

Primary antibodies (Immunofluorescence)		
Target	Supplier	ref
Immunofluorescence microscopy		
Ki67 (Clone SP6)	Cell Marque	275R-14
γH2A.X (Clone JBW301)	Merck-Millipore	05-636
Goat anti mouse AF488	Life Technologies	A-11029
Goat anti rabbit AF594	Life Technologies	A-11037
Other		
DAPI	Sigma	D9542

Flow cytometry antibodies							
Cell sorting Panel				cardiac macrophages			
Target	Clone	Supplier	Ref				
CD45 APC-Cy7	30-F11	Biolegend	103116	CD45 APC-Cy7	30-F11	Biolegend	103116
CD31 PerCP-Cy5.5	390	Biolegend	102420	CD64 PE-Cy7	X54-5/7.1	Biolegend	139313
Sca-1 BV711	D7	Biolegend	108131	CCR2 PE	475301	R&D Systems	FAB5538P
CD140a APC	APA5	Biolegend	135908	Ly6C eFluor450	HK1.4	eBioscience	48-5932
CD64 PE	X54-5/7.1	Biolegend	139303	MHCII FITC	M5/114.15.2	Biolegend	107606
MHCII FITC	M5/114.15.2	Biolegend	107606	CD14 PerCP-eFluor710	Sa2-8	eBioscience	46-0141-82
				CD11c AF647	N418	Biolegend	117314
Aqua Dye		Life technologie	L34966	CD86 PerCP-Cy5.5	GL-1	Biolegend	105027
				CD206 AF647	MR5D3	Bio-rad	MCA2235A6 47T
				CD163 PE	TNKUPJ	eBioscience	12-1631-80
				CD11b PB	M1/70	Biolegend	101224
				Yellow Dye		Life Technologies	L34959

Cardiac mesenchymal stromal cells			
Target	Clone	Supplier	Ref
CD45 APC-Cy7	30-F11	Biolegend	103116
CD31 PerCP-Cy5.5	390	Biolegend	102420
Sca-1 FITC	D7	Biolegend	108131
CD140a APC	APA5	Biolegend	135908
CD90.2 BV421	53-2.1	Biolegend	140327
Yellow Dye		Life Technologies	L34959

Supplementary Table S3: Mouse primer list

Primers			
<i>Arg1</i>	S AGAGCTGACAGCAACCCTGT AS GGATCCAGAAGGTGATGGAA	<i>Igf1</i>	S GCTCTCAGTTCGTGTGTGGAC AS AGCCTGTGGGCTTGTGAAGTA
<i>Ccl2</i>	S AAACCTGGATCGGAACCAAAT AS TACGGGTCAACTTCACATTCAAA	<i>Il10</i>	S TTCAGCCAGGTGAAGACTTTCT AS GCTTGGCAACCCAAGTAACC
<i>Ccl8</i>	S CACCTGAGTTAAGAGACAGCCAAAG AS TGAGAAAACACGCAGCCCA	<i>Il1a</i>	S TTGGTTAAATGACCTGCAACA AS GAGCGCTCACGAACAGTTG
<i>Ccr2</i>	S CCTTGGGAATGAGTAAGTGTGTA AS AATGACAGGATTAATGCAGCAGTGT	<i>Il1b</i>	S GATCCACACTCTCCAGCTGCA AS CAACCAACAAGTGATATTCTCCATG
<i>Cd163</i>	S CATCATGGCACAGGTCACCC AS CGCTGAATCTGTCTCGCTT	<i>Il1rn</i>	S ACATGGCAAACAACACAGGA AS TAGCAAATGAGCCACAGACG
<i>Cdkn1a</i>	S GCAGAATAAAAGGTGCCACAGGC AS CCGAAGAGACAACGGCACACT	<i>Il33</i>	S ATGGGAAGAAGCTGATGGTG AS CCGAGGACTTTTTGTGAAGG
<i>Cdkn1c</i>	S CTACGCGCTATCACTGGGAAG AS ATCACCAATCAGCCAGCCTT	<i>Il6</i>	S GAGGATACCACTCCCAACAGACC AS AAGTGCATCATCGTTGTTCATACA
<i>Cdkn2a</i>	S CCGAACTCTTTCGGTCGTACCC AS CTGCTACGTGAACGTTGCCCA	<i>Il7</i>	S ACCATGTTCCATGTTTCTTTTAGAT AS TGTGACAGGCAGCAGAACAA
<i>Cdkn2b</i>	S AGATCCCAACGCCCTGAAC AS CAGTTGGGTTCTGCTCCGT	<i>Mrc1</i>	S ATGCCAAGTGGGAAAATCTG AS TGTAGCAGTGGCCTGCATAG
<i>Cdkn2c</i>	S GGGGGACCTAGAGCAACTTAC AS CTCCGGATTCCAAGTTTCA	<i>Mertk</i>	S AAGGTCCCCGTCTGTCTCTAA AS GCGGGGAGGGGATTACTTTG
<i>Cdkn2d</i>	S CCTGAACCGCTTTGGCAAGAC AS ATCTTGGACATTGGGGCTGGC	<i>Postn</i>	S GGACACCTCGTGGCAGTTTC AS CCGCCATCACCTCTGACCT
<i>Chi3l3</i>	S AATGATTCTGCTCCTGTGG AS ACTTTGATGGCCTCAACCTG	<i>Thbs4</i>	S TTCAGATGTGACGCCTGTCC AS CAACATCAGTGCACACCTGC
<i>Cx3cl1</i>	S TGGCTTTGCTCATCCGCTATCAG AS CGTCTGTGCTGTGCTCTCC	<i>Tnfa</i>	S CCACCACGCTTTCTGTCTAC AS AGGGTCTGGGCCATAGAACT
<i>Cx3cr1</i>	S GCCTGTTATTTGGGCGACATT AS GCGAGGACCACCAACAGATTT		
<i>Cxcl12</i>	S CTCAACACTCCAACTGTGCC AS TTGGGCTGTTGTGCTTACTTG	<i>Rplp0</i>	S GCTTCATTGTGGGAGCAGAC AS ATGGTGTCTTGCCCATCAG
<i>Gdf6</i>	S GGGCATCAATGCCAGCTTTT AS GTGCGAGAGATCGTCCAGTC	<i>Gapdh</i>	S ATGACTCCACTCACGGCAAATT AS TCCCATTCTCGGCCTTGAC