

Table S1. Summary of heart weight, cardiac fibrosis and transthoracic echocardiograph results in adipo-sNaKtide transduced mice.

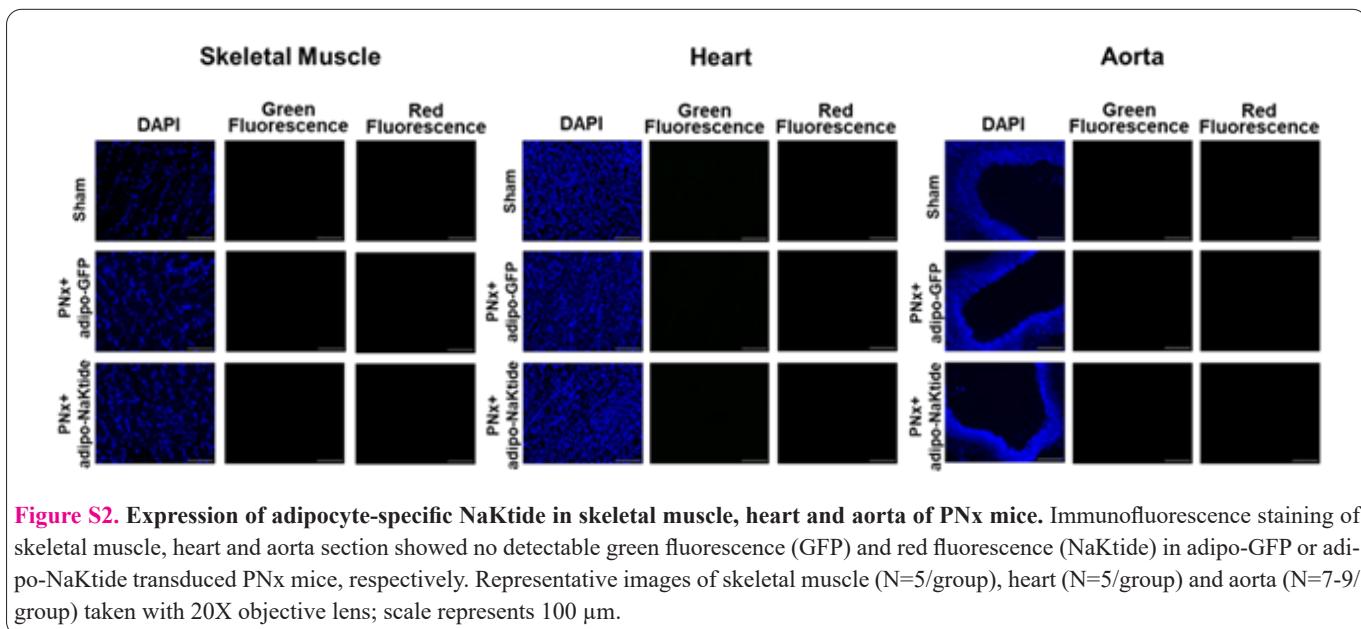
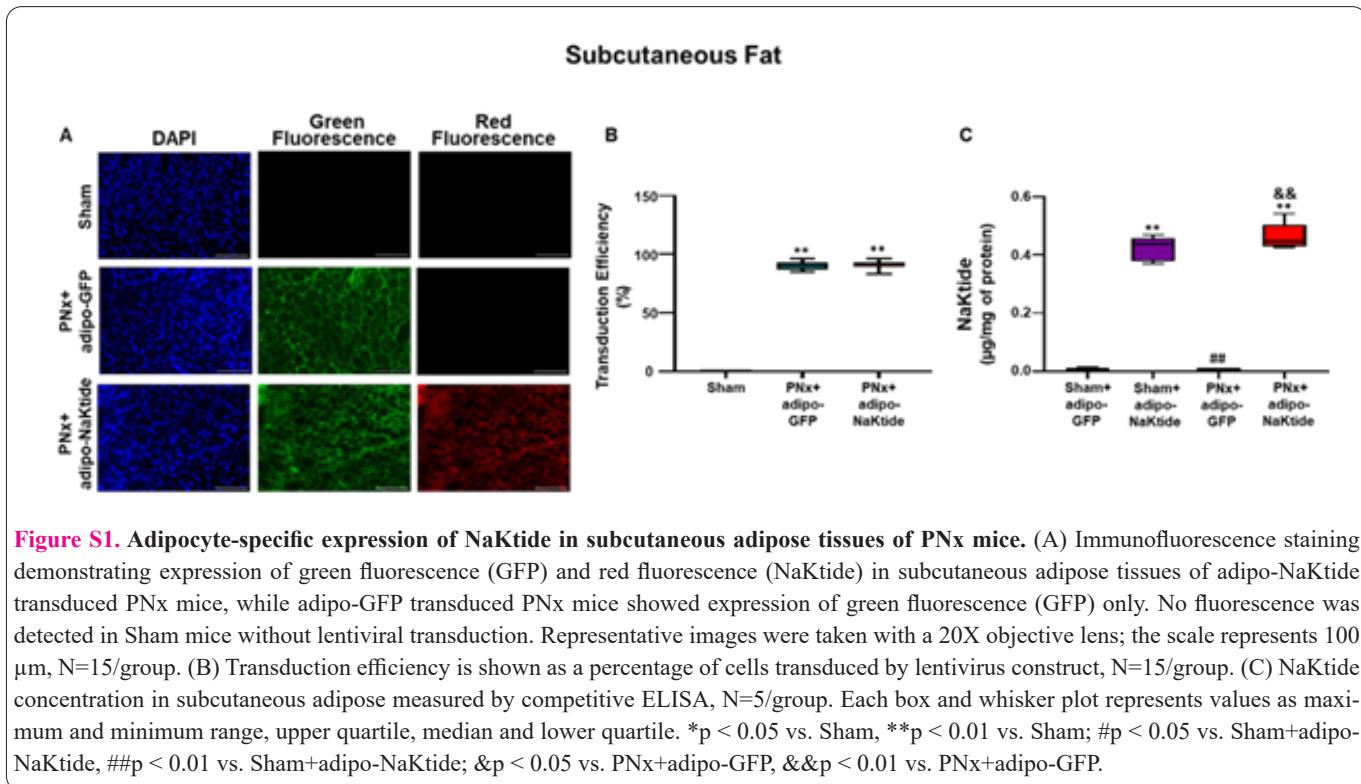
	Sham (N=8-12)	Sham+adipo-sNaKtide (N=8-10)	PNx (N=11-24)	PNx+adipo-sNaKtide (N=6-9)
Heart Weight (g)	0.132 ± 0.002	0.131 ± 0.004	0.164 ± 0.004**	0.165 ± 0.004**
Cardiac Fibrosis (%)	0.61 ± 0.16	0.62 ± 0.07	2.76 ± 0.29**	2.72 ± 0.12**
Echocardiography				
ESA, mm2	16.4 ± 0.6	14.6 ± 0.8	17.4 ± 0.8	16.3 ± 0.6
ESD, mm	3.12 ± 0.14	3.15 ± 0.07	3.35 ± 0.07	3.35 ± 0.09
PWT, mm	0.52 ± 0.02	0.56 ± 0.01	0.64 ± 0.01**	0.67 ± 0.01**
AWT, mm	0.61 ± 0.01	0.62 ± 0.01	0.73 ± 0.01**	0.75 ± 0.01**
PaVTI, mm	27.8 ± 0.9	29.61 ± 0.7	28.2 ± 0.9	27.6 ± 0.9
PaD, mm	0.96 ± 0.02	1.00 ± 0.02	1.02 ± 0.02	1.05 ± 0.02
RWT, mm	0.25 ± 0.007	0.27 ± 0.002**	0.31 ± 0.003**	0.32 ± 0.003**^
MPI	0.42 ± 0.02	0.39 ± 0.01	0.57 ± 0.02**	0.54 ± 0.01**
FS, %	29.9 ± 2.3	27.8 ± 1.1	23.8 ± 1.0*	23.4 ± 1.5*
EF, %	64.7 ± 3.2	62.3 ± 1.7	55.6 ± 1.7*	54.7 ± 2.5*
LVM, mg	90 ± 2	93 ± 3	112 ± 3**	117 ± 4**
LVMI	3.40 ± 0.11	3.46 ± 0.10	4.17 ± 0.11**	4.45 ± 0.10**

Values are means ± SEM. ESA-end systolic area; ESD-end systolic dimension; PWT-posterior wall thickness; AWT-anterior wall thickness; IVCT-isovolumic contraction time; IVRT-isovolumic relaxation time; PaVTI-pulmonary artery velocity time integral; PaD-pulmonary artery dimension; RWT-relative wall thickness; MPI-myocardial performance index; FS-fractional shortening; EF-ejection fraction; LVMI-left ventricle mass index. * p<0.05, **p<0.01 vs. Sham, ^p<0.05 vs PNx.

Table S2. Summary of heart weight and transthoracic echocardiograph results.

	Sham (N=8-12)	PNx (N=12-24)	PNx+adipo-NaKtide (N=12-13)	4/6-nephrectomy (N=10)
Heart Weight (g)	0.132 ± 0.002	0.164 ± 0.004**	0.132 ± 0.003^^	0.143 ± 0.003^^
Echocardiography				
ESA, mm2	16.4 ± 0.6	17.4 ± 0.8	15.3 ± 0.7	15.9 ± 0.5
ESD, mm	3.12 ± 0.14	3.35 ± 0.07	3.18 ± 0.04	3.25 ± 0.05
PWT, mm	0.52 ± 0.02	0.64 ± 0.01**	0.57 ± 0.01^^	0.60 ± 0.01**^
AWT, mm	0.61 ± 0.01	0.73 ± 0.01**	0.63 ± 0.01^^	0.70 ± 0.01**^#
IVCT+IVRT, msec	17.0 ± 0.5	24.5 ± 0.7**	16.8 ± 0.5^^	20.1 ± 0.4**^#
PaVTI, mm	27.8 ± 0.9	28.2 ± 0.9	29.8 ± 0.5	30.2 ± 0.8
PaD, mm	0.96 ± 0.02	1.02 ± 0.02*	0.97 ± 0.01^	1.05 ± 0.02**#
RWT	0.25 ± 0.007	0.31 ± 0.003**	0.27 ± 0.002**^^	0.29 ± 0.003**^#
MPI	0.42 ± 0.02	0.57 ± 0.02**	0.38 ± 0.01^^	0.45 ± 0.01^#
FS, %	29.9 ± 2.3	23.8 ± 1.0*	26.9 ± 0.7	25.2 ± 1.1
EF, %	64.7 ± 3.2	55.6 ± 1.7*	60.8 ± 1.0	57.9 ± 1.9
LVM, mg	90 ± 2	112 ± 3**	94 ± 3^^	102 ± 1**^#
LVMI	3.40 ± 0.11	4.17 ± 0.11**	3.65 ± 0.10^^	3.80 ± 0.07**^

Values are means ± SEM. ESA-end systolic area; ESD-end systolic dimension; PWT-posterior wall thickness; AWT-anterior wall thickness; IVCT-isovolumic contraction time; IVRT-isovolumic relaxation time; PaVTI-pulmonary artery velocity time integral; PaD-pulmonary artery dimension; RWT-relative wall thickness; MPI-myocardial performance index; FS-fractional shortening; EF-ejection fraction; LVMI-left ventricle mass index. * p<0.05, **p<0.01 vs. Sham, ^p<0.05 vs PNx, #p<0.05, ##p<0.01 vs PNx+adipo-NaKtide.



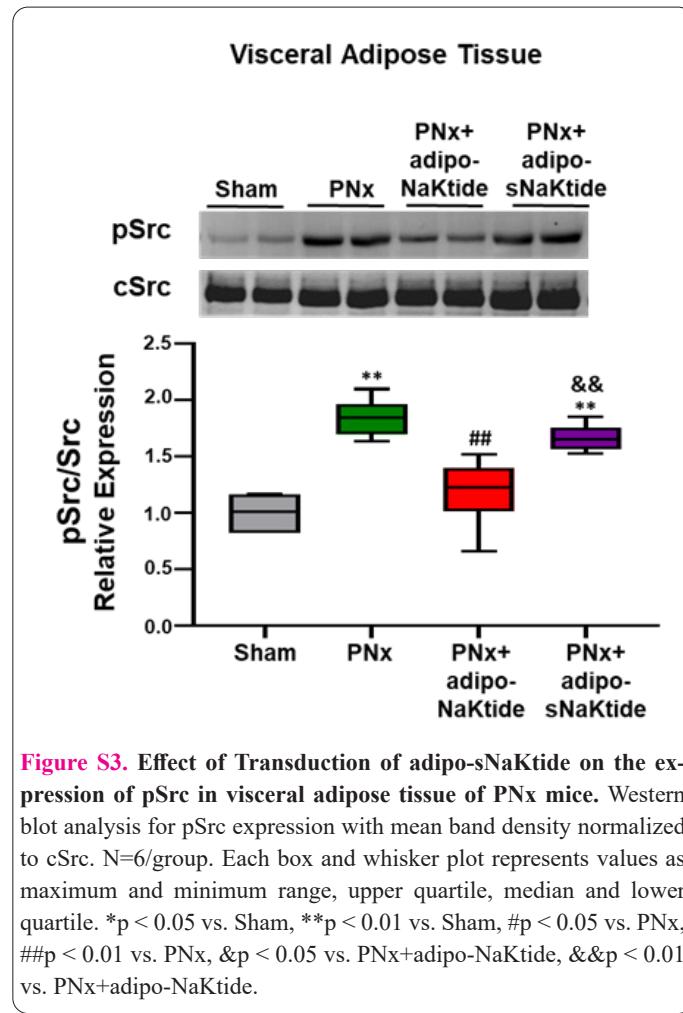


Figure S3. Effect of Transduction of adipo-sNaKtide on the expression of pSrc in visceral adipose tissue of PNx mice. Western blot analysis for pSrc expression with mean band density normalized to cSrc. N=6/group. Each box and whisker plot represents values as maximum and minimum range, upper quartile, median and lower quartile. *p < 0.05 vs. Sham, **p < 0.01 vs. Sham, #p < 0.05 vs. PNx, ##p < 0.01 vs. PNx, &p < 0.05 vs. PNx+adipo-NaKtide, &&p < 0.01 vs. PNx+adipo-NaKtide.

