

## Supplementary Materials

**Supplementary Table S1.** Echocardiographic measurement of wild type (WT) mice with Ursolic acid injection subjected to I/R model for 24 hours.

Parameter	Vehicle Sham	UA Sham	Vehicle I/R	UA I/R
EF(%)	69.43±1.542	69.88±1.252	26.36±0.9466**	37.14±2.397##
FS(%)	38.03±1.264	38.33±0.9937	12.08±0.4788**	17.58±1.291##
LVID;d(mm)	3.246±0.1467	3.214±0.01582	4.208±0.04445**	3.795±0.09054 <sup>#</sup>
LVID;s(mm)	2.012±0.06047	1.982±0.03245	3.700±0.03834**	3.129±0.09987 <sup>#</sup>
LVPW;d(mm)	1.031±0.08078	0.9504±0.09043	0.6283±0.03676**	0.9504±0.1273 <sup>#</sup>
LVPW;s(mm)	1.376±0.1143	1.257±0.04870	0.8607±0.05011**	1.232±0.1352 <sup>#</sup>
LVAW;d(mm)	0.9628±0.02222	0.9892±0.06842	0.6195±0.05865**	0.8448±0.07377 <sup>#</sup>
LVAW;s(mm)	1.417±0.05119	1.397±0.07854	0.6935±0.1075*	1.031±0.07584 <sup>#</sup>

Values are mean ± SEM, *n* = 6 per group. EF, ejection fraction; FS, fraction shortening; left ventricular mass; LVID, left ventricular internal diameter; LVPW, left ventricular posterior wall; LVAW, left ventricular anterior wall. \**p* < 0.05, \*\**p* < 0.01 versus Vehicle+sham; <sup>#</sup>*p* < 0.05, ##*p* < 0.01 versus Vehicle+I/R.

**Supplementary Table S2. List of primary antibodies used in immunoblotting analysis.**

Primary antibodies name	Company	Article Number
$\beta$ 1i	Abcam	ab242061
$\beta$ 2i	Abcam	ab183506
$\beta$ 5i	Abcam	ab3329
PP2A	Abcam	ab32056
AMPK $\alpha$	Cell Signalling Technology	5831S
Phosphorylated (p)-AMPK $\alpha$	Cell Signalling Technology	2535T
PGC1 $\alpha$	Proteintech	66369-AP
Drp1	Cell Signalling Technology	5391S
Mfn1	Proteintech	13798-1-AP
Mfn2	Proteintech	12186-1-AP
Ubiquitin	Proteintech	10201-2-AP