Nephroprotective effects of cardamonin on renal ischemia reperfusion injury/ UUO-induced renal fibrosis

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Table S1: The primer sequences of human genes used in quantitative real-time PCR analysis

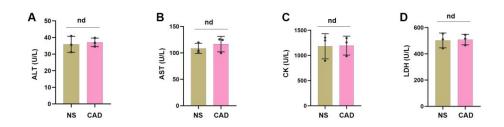
Primer	Forward Primer (5' -> 3')	Reverse Primer (5' -> 3')	Amplicon Size (bp)
Collagen I	GAGGGCCAAGACGAAGACATC	CAGATCACGTCATCGCACAAC	140
Collagen III	GCCAAATATGTGTCTGTGACTCA	GGGCGAGTAGGAGCAGTTG	145
Fibronectin	CCGCCGAATGTAGGACAAGA	TGTCAGAGTGGCACTGGTAG	159
α-SMA	CAAGTCCTCCAGCGTTCTGA	GCTTCACAGGATTCCCGTCTT	196
TNF-α	CCTCTCTCTAATCAGCCCTCTG	GAGGACCTGGGAGTAGATGAG	220
IL-6	TTCTCCACAAGCGCCTTC	AGAGGTGAGTGGCTGTCTGT	138
IL-1β	ATGATGGCTTATTACAGTGGCAA	GTCGGAGATTCGTAGCTGGA	132
GAPDH	GGAGCGAGATCCCTCCAAAAT	GGCTGTTGTCATACTTCTCATGG	197
β-actin	GCCGCCAGCTCACCAT	TCGTCGCCCACATAGGAATC	184

Supplementary Table S1. The primer sequences of human genes used in quantitative real-time PCR analysis.

Table S2: The primer sequences of mouse genes used in quantitative real-time PCR analysis

Primer	Forward Primer (5' -> 3')	Reverse Primer (5' -> 3')	Amplicon Size (bp
NGAL	TGGCCCTGAGTGTCATGTG	CTCTTGTAGCTCATAGATGGTGC	239
KIM-1	GTTAAACCAGAGATTCCCACACG	TCTCATGGGGACAAAATGTAGTG	196
Collagen I	GCTCCTCTTAGGGGCCACT	CCACGTCTCACCATTGGGG	103
Collagen III	CTGTAACATGGAAACTGGGGAAA	CCATAGCTGAACTGAAAACCACC	144
Fibronectin	ATGTGGACCCCTCCTGATAGT	GCCCAGTGATTTCAGCAAAGG	124
α-SMA	GTCCCAGACATCAGGGAGTAA	TCGGATACTTCAGCGTCAGGA	102
TNF-α	CCTGTAGCCCACGTCGTAG	GGGAGTAGACAAGGTACAACCC	148
IL-6	TAGTCCTTCCTACCCCAATTTCC	TTGGTCCTTAGCCACTCCTTC	76
IL-1β	GCAACTGTTCCTGAACTCAACT	ATCTTTTGGGGTCCGTCAACT	89
GAPDH	AGGTCGGTGTGAACGGATTTG	TGTAGACCATGTAGTTGAGGTCA	123
β-actin	GGCTGTATTCCCCTCCATCG	CCAGTTGGTAACAATGCCATGT	154

Supplementary Table S2. The primer sequences of mouse genes used in quantitative real-time PCR analysis.



Supplementary Figure 1. 100mg/kg/d of cardamonin by continuous gavage for 7 d had no obvious toxicity on liver and heart function in mice. (A-B) The influence about CAD on the levels of ALT and AST in normally fed eight-week-old C57BL/6 mice. (C-D) The influence about CAD on the levels of CK and LDH in normally fed eight-week-old C57BL/6 mice. Values measured during animal experiments were carried out as mean ± SD, n=3. nd, no statistical difference; NS, sterile saline; CAD, cardamonin; ALT, alanine transaminase; AST, aspartate transaminase; CK, creatine kinase; LDH, lactic dehydrogenase.