

## Supplementary material 1: Sequences for RT-qPCR primers.

Primer	Sequences
<i>Hprt</i> - Forward	5'-GCTTGCTGGTGAAAAGGACCTCTCGAAG-3'
<i>Hprt</i> - Reverse	5'-CCCTGAAGTACTCATTATAGTCAAGGGGCAT-3'
<i>Irg1</i> - Forward	5'-GCAACATGATGCTCAAGTCTG-3'
<i>Irg1</i> - Reverse	5'-TGCTCCTCCGAATGATACCA-3'
<i>Nrf2</i> - Forward	5'-CAGCATAGAGCAGGACATGGAG-3'
<i>Nrf2</i> - Reverse	5'-GAACAGCGGTAGTATCAGCCAG-3'
<i>Il-1<math>\beta</math></i> - Forward	5'-GCCTTGGGCCTCAAAGGAAAGAA-3'
<i>Il-1<math>\beta</math></i> - Reverse	5'-ATTGCTTGGGATCCCACTCTCC-3'
<i>Il-6</i> - Forward	5'-ACAAAGCCAGAGTCCTTCAGAGAG-3'
<i>Il-6</i> - Reverse	5'-TTGGATGGTCTTGGTCCTTAGCCA-3'
<i>Tnf-<math>\alpha</math></i> - Forward	5'-CCTATGTCTCAGCCTCTTCT-3'
<i>Tnf-<math>\alpha</math></i> - Reverse	5'-GGGAACTTCTCATCCCTTTG-3'

Supplementary material 2: Results of power analysis.

Variable	Test	Effect size*	Power
<i>Irg1</i> mRNA expression	Student's <i>t</i> -test	8.97	1.0
Itaconate abundance	Student's <i>t</i> -test	11.56	1.0
<i>Nrf2</i> mRNA expression	Student's <i>t</i> -test	8.01	1.0
<i>Il-1<math>\beta</math></i> mRNA expression	ANOVA	4.64	1.0
<i>Il-6</i> mRNA expression	ANOVA	7.50	1.0
<i>Tnf-<math>\alpha</math></i> mRNA expression	ANOVA	16.88	1.0

\*Effect sizes are Cohen's *d* for *t*-tests and *f* for ANOVAs.