Table S1. Primers used for quantitative real-time PCR.

| Gene | Primer sequence (5' to 3') | Product length |
| --- | --- | --- |
| *LDHA* | F: TATTATTTTTCCACGCCAAGGTTCC | 134 |
| R: AGCACCAACCCCAACAACTG |
| *COQ2* | F: CGTTCAAGCAAACGAAAGCAG | 179 |
| R: AGAACAGCTCCAGTGCCAAA |
| *HIF1A* | F: GGCGCGAACGACAAGAAAAAG | 142 |
| R: GCGAGCTTACATTATGGGGGA |
| *NOD2* | F: CAACATCTCAGACCGAGGCA | 178 |
| R: GCCGTGATGTGGTTGTTTCC |

Table S2. Power analysis of the experimental design

|  |  |  |
| --- | --- | --- |
| Index | N per group | Power |
| 1 | 2 | 0.342 |
| 2 | 3 | 0.712 |
| 3 | 4 | 0.895 |
| 4 | 5 | 0.965 |
| 5 | 6 | 0.989 |
| 6 | 7 | 0.997 |
| 7 | 8 | >0.999 |
| 8 | 9 | >0.999 |
| 9 | 10 | >0.999 |
| 10 | 12 | >0.999 |
| 11 | 14 | >0.999 |
| 12 | 16 | >0.999 |
| 13 | 18 | >0.999 |
| 14 | 20 | >0.999 |
| 15 | 25 | >0.999 |
| 16 | 30 | >0.999 |
| 17 | 35 | >0.999 |
| 18 | 40 | >0.999 |
| 19 | 45 | >0.999 |
| 20 | 50 | >0.999 |