

S1 Table: Primers used to quantify gene expression by qPCR

Gene / ID / (Amplicon)	Primer set	Temp(°C)
HR96 Dapma7bEVm004188t1 (86 bp)	Forward 5'-GCG-GAG-ACA-AGG-CTT-TAG-GTT-3' Reverse 5'-AGG-GCA-TTC-CGT-CTA-AAG-AAG-GCT-3'	58
Magro (CG5932) Gastric TAG lipase Dapma7bEVm018418t1 (108 bp)	Forward 5'-GCA-TAG-GAC-GTG-AGA-TGG-TTA-G-3' Reverse 5'-ACA-AGA-AGC-TCG-CAT-GGT-TA-3'	51
lysosomal mannosidase Dapma7bEVm007411t1 (98 bp)	Forward 5'-GGT-TCC-CTG-GAG-TTT-ATG-GTA-G-3' Reverse 5'-AGT-CGT-CGG-TGA-ATC-TGT-TG-3'	53
Niemann-Pick C 1b (NPC1b)(106 bp) Dapma7bEVm629793t1 Dapma7bEVm000442t1	Forward 5'-TCA-TAG-GTG-GAC-AGC-AAG-ATT-AC-3' Reverse 5'-TAG-CAG-GCA-CAC-CAA-CAT-AG-3'	55
ceramidase (Cer2)(165 bp) Dapma7bEVm000393t1	Forward 5'-GTG-CCT-TGT-GTA-AAG-TCG-AAA-C-3' Reverse 5'-GGC-CAA-CCA-CTG-TGA-AAT-TAT-G-3'	60
Sphingomyelinase 3 (SM3) Dapma7bEVm001825t1 (148 bp)	Forward 5'-GCG-CTC-TTC-CAG-CTC-TAT-TT-3' Reverse 5'-GAC-GGA-TTT-GCT-CGC-ATT-TG-3'	60
β-actin Dapma7bEVm018420t1 (165 bp)[1]	Forward 5'-CCA-CAC-TGT-CCC-CAT-TTA-TGA-AG-3' Reverse 5'-CGC-GAC-CAG-CCA-AAT-CC-3'	52.2

1. Heckmann L-H, Connon R, Hutchinson TH, Maund SJ, Sibly RM, Callaghan A. Expression of target and reference genes in *Daphnia magna* exposed to ibuprofen. BMC Genomics 2006; 7: 175.