Contrasting transcriptome response to thermal stress in two key zooplankton species, *Calanus finmarchicus* and *C. glacialis*

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Fig. S1. Experimental set-up for thermal stress of *Calanus finmarchicus* and *C. glacialis* at four temperatures and two durations. Total number of individuals per treatment is 20. Physiological response was measured from all live copepods, while 5 individuals per treatment were taken for RNA-seq, and between 6 and 10 individuals per treatment were used for qPCR. For more details see 'Materials and methods' in the main article. Key: STS, short-term thermal stress; LTS, long-term thermal stress.
Fig. S2. Grazing by *Calanus finmarchicus* and *C. glacialis* during short-term thermal experiment measured as fecal pellet production (fecal pellet copepod\(^{-1}\) day\(^{-1}\)) (mean ± standard error). Significant difference (p<0.05) of fecal pellet production values between temperatures (°C) is indicated by different letters: uppercase for *C. finmarchicus* and lowercase for *C. glacialis*. 
Fig. S3. Number of reads in *Calanus finmarchicus* (a) and *C. glacialis* (b) libraries.
Key: STS, short-term thermal stress (4 h); LTS, long-term thermal stress (6 d); Raw: total sequenced reads; Clean: reads with a Phred quality score above 17, longer than 35 bp and decontaminated for ERCC RNA Spike-In reads; Mapped: reads uniquely mapped to the assembly.
Fig. S4. Functional classifications of annotated transcripts in *Calanus finmarchicus* and *C. glacialis* for GO categories of biological processes.
Fig. S5. Variation of log2 fold changes of expression values assessed by RNAseq (white) and qPCR (black) in comparisons: STS versus SLS ( ■ ), 0 °C versus 5 °C ( ● ), 0 °C versus 5 °C ( ▲ ), 5 °C versus 10 °C ( ◆ ) for each gene in C. finmarchicus ( a ) and C. glacialis ( b ).
Fig. S6. Stability of putative reference genes for *C. finmarchicus* (a) and *C. glacialis* (b) during thermal stress.