Temperature dependence of biomass and ecosystem function depend on species interactions. Supplementary File 3: Zooplankton figures and tables.

Section S3.1: Zooplankton Abundance data over whole experiment

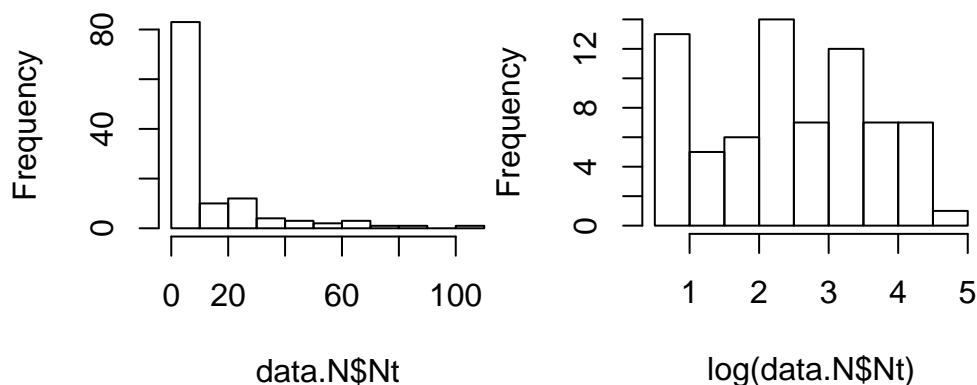Figure S3. 1: Abundance of zooplankton (Number / 10L) over all tanks and weeks.

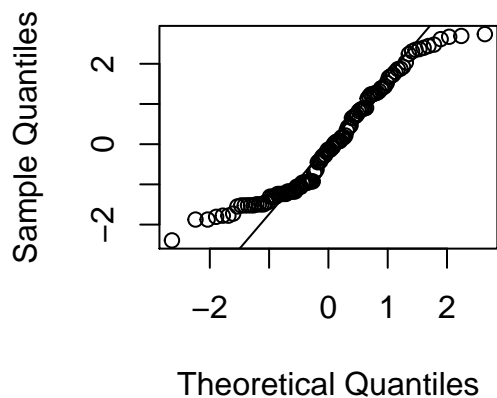Figure S3. 2: Residual plot for linear model of abundance with normally distributed errors

Table S3. 1: Model selection results for zooplankton abundance, with 1|Tank as a random effect. Model terms are: intercept (Int), Temperature - weekly average (Tw), trophic treatment (TL), Temperature*trophic treatment, statistical estimates

	Int	T_{wj}	Z_j	$T_{wj}*Z_j$	df	logLik	AICc	d	w
m1c	1.56	NA	NA	NA	3	-218.17	442.56	0.00	0.2179787
m1	1.82	0.78	+	+	6	-214.92	442.58	0.02	0.2157004
m1b	1.56	0.66	NA	NA	4	-217.17	442.69	0.14	0.2034743
m1d	1.82	0.74	+	NA	5	-216.18	442.89	0.34	0.1843232

	Int	T_{wj}	Z_j	$T_{wj}*Z_j$	df	logLik	AICc	d	w
m1a	1.81	NA	+	NA	4	-217.30	442.96	0.40	0.1785234

#april 2019

Figure S3. 4: Total Zooplankton abundance and modeled temperature dependence from negative binomial regression
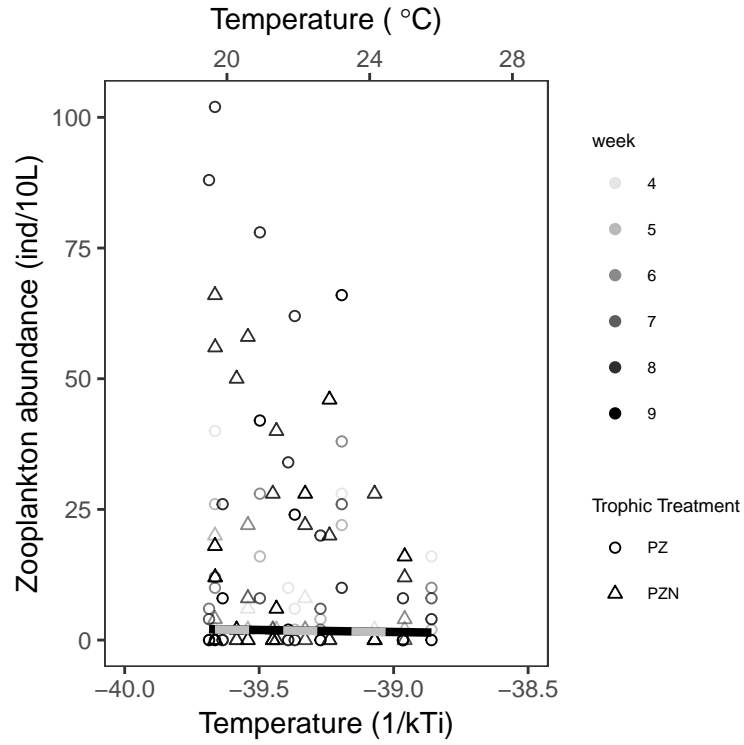
Section S3.2: Daphnia and Copepods

Figure S3. 4: Total Zooplankton abundance and modeled temperature dependence from negative binomial regression

Daphnia / 10L

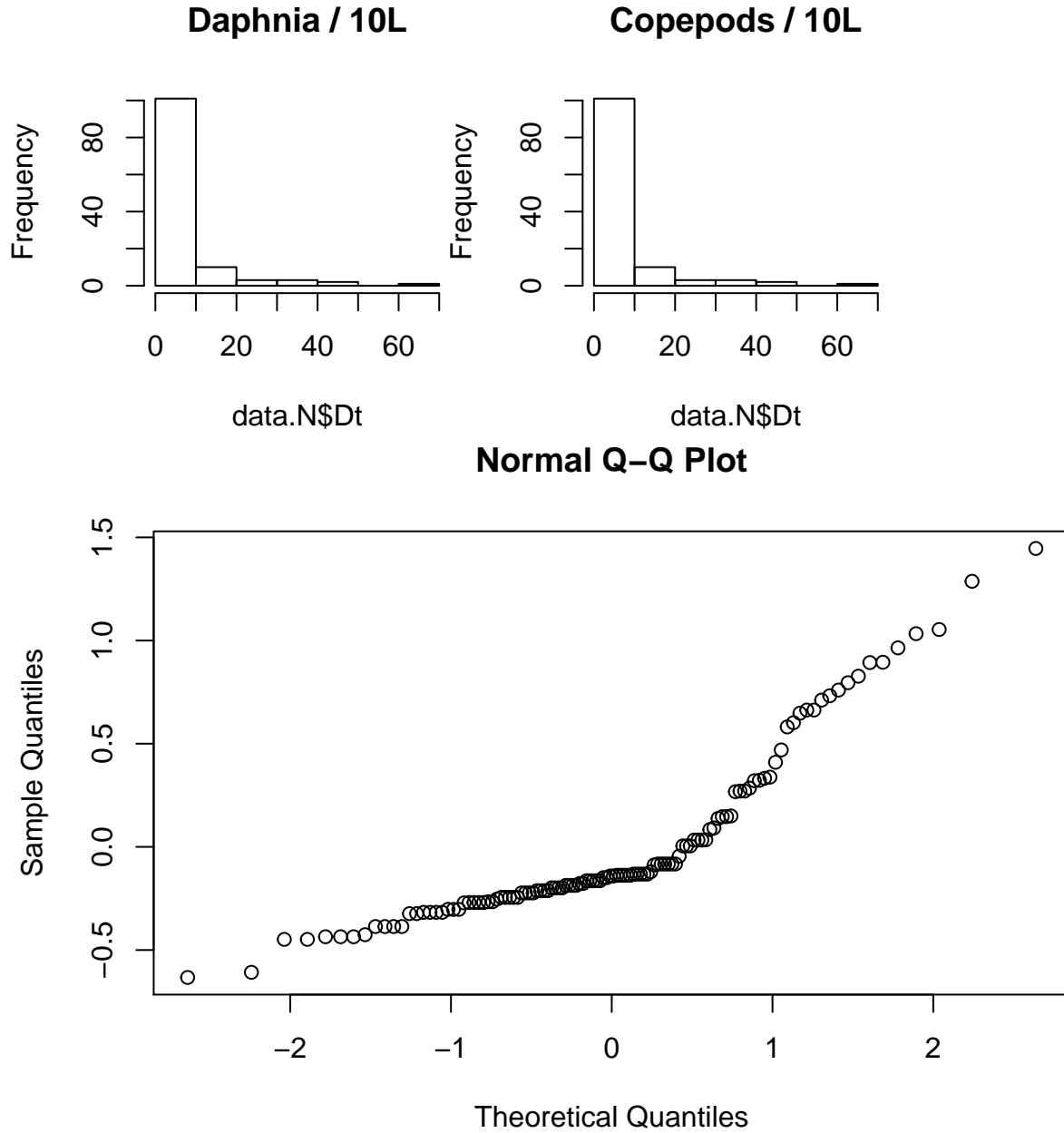## Copepods / 10L

Normal Q–Q Plot

Table S3. 2: Daphnia abundance model selection results for Poisson regression. Model terms are: intercept (Int), trophic treatment (TL), Temperature - weekly average (Tw), and statistical estimates

	Int	T_{wj}	Z_j	$T_{wj}*Z_j$	df	logLik	AICc	d	w
m1Da	0.40	NA	+	NA	4	-75.77	159.89	0.00	0.40457193
m1Dc	0.28	NA	NA	NA	3	-76.88	159.96	0.07	0.39089048
m1Dd	0.40	0.15	+	NA	5	-76.19	162.92	3.02	0.08923334
m1Db	0.28	0.11	NA	NA	4	-77.35	163.05	3.15	0.08366792
m1D	0.40	0.20	+	+	6	-76.12	164.99	5.10	0.03163634

Table S3. 3: Daphnia abundance model coefficients
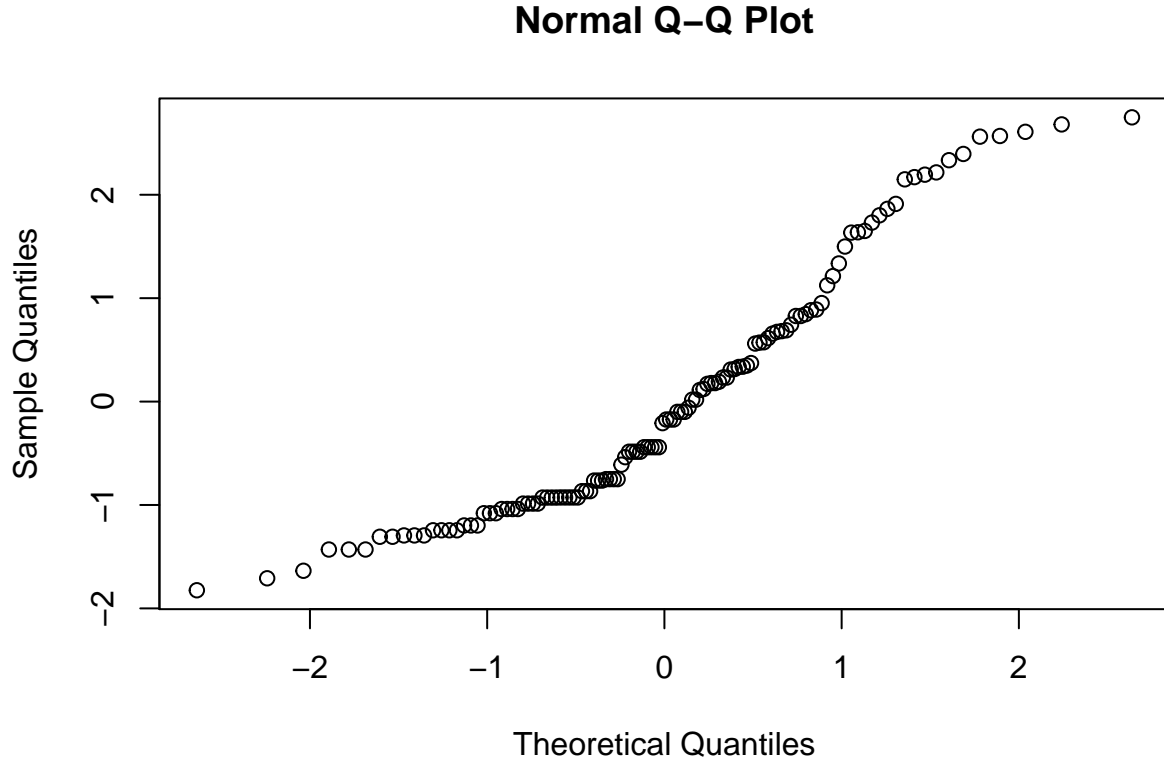
Normal Q–Q Plot

Table S3. 4: Copepod abundance model selection results for Poisson regression. Model terms are: intercept (Int), trophic treatment (TL), Temperature - weekly average (Tw), temperature - expt average (Tt), interaction terms and statistical estimates

	Int	T_{wj}	Z_j	$T_{wj}*Z_j$	df	logLik	AICc	d	w
m1Cb	1.16	1.20	NA	NA	4	-199.71	407.77	0.00	0.54916077
m1C	1.19	1.32	+	+	6	-198.88	410.51	2.74	0.13941921
m1Cd	1.19	1.21	+	NA	5	-200.01	410.54	2.77	0.13725194
m1Cc	1.16	NA	NA	NA	3	-202.17	410.54	2.78	0.13699614
m1Ca	1.16	NA	+	NA	4	-202.40	413.15	5.39	0.03717194

Table S3. 5: Copepod abundance model coefficients

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## pdf
##   2
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