

Table S1: Results for all ascending individuals, all time intervals, frequentist models (glmm) and Bayesian models (brm)

all fish	1-hour glmm			1-hour brm			3-hour glmm			3-hour brm		6-hour glmm			6-hour brm		24-hour glmm			24h-hour brm	
Predictors	IRR	CI	p	IRR	CI (95%)		IRR	CI (95%)	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)
(Intercept)	0.36	0.09 – 1.39	0.137	0.29	0.03 – 2.39		0.97	0.23 – 4.17	0.966	0.67	0.02 – 6.46	1.49	0.31 – 7.09	0.619	1.02	0.04 – 10.61	30.93	3.96 – 241.85	0.001	19.03	0.41 – 294.58
Qd	0.99	0.97 – 1.00	0.055	0.99	0.97 – 1.00		0.99	0.97 – 1.01	0.248	0.99	0.97 – 1.01	0.96	0.93 – 0.98	<0.001	0.96	0.93 – 0.98	0.85	0.80 – 0.91	<0.001	0.85	0.80 – 0.91
Qf	0.94	0.90 – 0.98	0.003	0.94	0.90 – 0.98		0.94	0.89 – 1.00	0.05	0.94	0.89 – 1.00	0.99	0.92 – 1.07	0.788	0.99	0.92 – 1.06	0.93	0.80 – 1.09	0.371	0.92	0.79 – 1.08
Qa	1	0.99 – 1.00	<0.001	1	0.99 – 1.00		1	0.99 – 1.00	0.167	1	0.99 – 1.00	0.99	0.98 – 0.99	0.003	0.99	0.98 – 1.00	0.58	0.01 – 26.48	0.781	0.74	0.02 – 40.05
tres	1.63	1.57 – 1.69	<0.001	1.63	1.57 – 1.69		1.64	1.57 – 1.73	<0.001	1.65	1.57 – 1.73	1.63	1.53 – 1.73	<0.001	1.63	1.53 – 1.74	1.48	1.34 – 1.63	<0.001	1.49	1.35 – 1.65
tdiff	2.97	2.61 – 3.39	<0.001	2.96	2.60 – 3.39		3.15	2.61 – 3.80	<0.001	3.13	2.58 – 3.78	2.94	2.31 – 3.75	<0.001	2.9	2.28 – 3.69	1.69	1.03 – 2.78	0.04	1.65	1.01 – 2.66
Site: SB	1.89	1.61 – 2.23	<0.001	1.9	1.62 – 2.24		1.99	1.59 – 2.49	<0.001	2	1.60 – 2.49	2.22	1.68 – 2.93	<0.001	2.22	1.67 – 2.95	1.8	1.12 – 2.89	0.014	1.81	1.14 – 2.93
Site: ED	3.88	0.51 – 29.18	0.188	4.17	0.07 – 218.60		3.97	0.50 – 31.37	0.191	4.84	0.09 – 496.13	4.37	0.54 – 35.48	0.167	5.53	0.09 – 601.14	6.47	0.80 – 52.46	0.08	8.43	0.15 – 980.87
sesas.: Spring	3.59	3.07 – 4.19	<0.001	3.59	3.09 – 4.21		3.68	2.97 – 4.56	<0.001	3.72	3.00 – 4.60	3.99	3.06 – 5.20	<0.001	4.05	3.10 – 5.29	5.12	3.38 – 7.77	<0.001	5.32	3.52 – 8.13
sesas.: Summer	1.94	1.65 – 2.29	<0.001	1.94	1.65 – 2.30		1.91	1.52 – 2.40	<0.001	1.93	1.55 – 2.41	2.3	1.73 – 3.06	<0.001	2.34	1.76 – 3.12	3.92	2.52 – 6.09	<0.001	4.02	2.58 – 6.32
sesas.: Winter	0.04	0.01 – 0.09	<0.001	0.03	0.01 – 0.08		0.04	0.01 – 0.10	<0.001	0.04	0.01 – 0.10	0.04	0.01 – 0.12	<0.001	0.04	0.01 – 0.12	0.04	0.01 – 0.16	<0.001	0.04	0.01 – 0.18
Ran. Eff.																					
SD Intercept	1.26			1.94			1.32			2.11		1.34			2.09		1.30			2.11	
Observations	18456			18456			6157			6157		3083			3083		775			775	

Table S2: Results for rheophilic, all time intervals, frequentist models (glmm) and Bayesian models (brm)

rheophilic	1-hour glmm			1-hour brm		3-hour glmm			3-hour brm		6-hour glmm			6-hour brm		24-hour glmm			24h-hour brm	
<i>Predictors</i>	<i>IRR</i>	<i>CI</i>	<i>p</i>	<i>IRR</i>	<i>CI (95%)</i>	<i>IRR</i>	<i>CI (95%)</i>	<i>p</i>	<i>IRR</i>	<i>CI (95%)</i>	<i>IRR</i>	<i>CI (95%)</i>	<i>p</i>	<i>IRR</i>	<i>CI (95%)</i>	<i>IRR</i>	<i>CI (95%)</i>	<i>p</i>	<i>IRR</i>	<i>CI (95%)</i>
(Intercept)	0.39	0.10 – 1.62	0.195	0.4	0.04 – 3.53	0.96	0.21 – 4.44	0.958	0.83	0.07 – 7.31	1.18	0.21 – 6.60	0.852	0.91	0.07 – 9.54	20.5	1.66 – 253.38	0.019	14.07	0.46 – 282.11
Qd	0.95	0.93 – 0.97	<0.001	0.95	0.93 – 0.97	0.95	0.92 – 0.97	<0.001	0.95	0.92 – 0.98	0.92	0.88 – 0.95	<0.001	0.92	0.88 – 0.95	0.82	0.76 – 0.89	<0.001	0.82	0.76 – 0.89
Qf	0.97	0.91 – 1.04	0.424	0.97	0.91 – 1.04	0.99	0.90 – 1.08	0.746	0.98	0.90 – 1.08	1.05	0.94 – 1.17	0.411	1.05	0.93 – 1.18	1	0.81 – 1.23	0.979	0.99	0.80 – 1.22
Qa	0.98	0.97 – 0.98	<0.001	0.98	0.97 – 0.98	0.97	0.96 – 0.98	<0.001	0.97	0.95 – 0.98	0.95	0.94 – 0.97	<0.001	0.95	0.93 – 0.97	0.99	0.01 – 68.33	0.996	1.17	0.02 – 105.47
tres	1.38	1.29 – 1.47	<0.001	1.39	1.30 – 1.48	1.39	1.29 – 1.51	<0.001	1.4	1.30 – 1.51	1.37	1.25 – 1.50	<0.001	1.38	1.26 – 1.51	1.2	1.06 – 1.37	0.005	1.22	1.07 – 1.39
tdiff	1.4	1.15 – 1.70	0.001	1.39	1.14 – 1.69	1.36	1.06 – 1.75	0.015	1.35	1.06 – 1.76	1.15	0.85 – 1.55	0.354	1.15	0.85 – 1.55	0.79	0.46 – 1.33	0.37	0.81	0.48 – 1.34
Site: SB	0.71	0.53 – 0.95	0.02	0.71	0.53 – 0.96	0.76	0.53 – 1.08	0.126	0.76	0.53 – 1.10	0.84	0.55 – 1.28	0.417	0.85	0.56 – 1.32	0.69	0.36 – 1.30	0.245	0.71	0.37 – 1.35
Site: ED	0.89	0.14 – 5.49	0.9	0.85	0.02 – 30.92	1.01	0.17 – 5.98	0.991	1.09	0.03 – 39.93	1.29	0.22 – 7.46	0.78	1.44	0.05 – 56.02	1.77	0.36 – 8.57	0.481	1.98	0.08 – 95.39
sesas.: Spring	2.85	2.24 – 3.63	<0.001	2.9	2.29 – 3.70	2.94	2.18 – 3.95	<0.001	2.99	2.24 – 4.03	3.34	2.39 – 4.67	<0.001	3.44	2.45 – 4.83	3.35	2.17 – 5.17	<0.001	3.53	2.28 – 5.52
sesas.: Summer	0.65	0.50 – 0.83	0.001	0.65	0.51 – 0.83	0.67	0.49 – 0.91	0.012	0.68	0.49 – 0.93	0.83	0.58 – 1.20	0.323	0.85	0.59 – 1.23	1.12	0.70 – 1.79	0.644	1.16	0.72 – 1.89
sesas.: Winter	0.08	0.03 – 0.23	<0.001	0.08	0.03 – 0.22	0.08	0.03 – 0.25	<0.001	0.08	0.02 – 0.25	0.08	0.02 – 0.27	<0.001	0.08	0.02 – 0.30	0.06	0.01 – 0.27	<0.001	0.07	0.01 – 0.38
Ran. Eff.																				
SD Intercept	1.01			1.82		0.95			1.77		0.91			1.75		0.67			1.66	
Observations	18456			18456		6157			6157		3083			3083		775			775	

Table S3: Results for eurytopic w/o Bream, all time intervals, frequentist models (glmm) and Bayesian models (brm)

eurytop. w/o Bleak	1-hour glmm			1-hour brm		3-hour glmm			3-hour brm		6-hour glmm			6-hour brm		24-hour glmm			24h-hour brm	
Predictors	IRR	CI	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)
(Intercept)	0.09	0.03 – 0.30	<0.001	0.08	0.01 – 0.70	0.24	0.06 – 0.94	0.04	0.22	0.03 – 1.75	0.45	0.11 – 1.91	0.28	0.36	0.03 – 3.00	5.71	0.88 – 36.85	0.067	4.07	0.19 – 53.07
Qd	0.98	0.97 – 1.00	0.026	0.98	0.97 – 1.00	0.98	0.96 – 1.00	0.075	0.98	0.97 – 1.00	0.97	0.95 – 1.00	0.021	0.97	0.95 – 1.00	0.85	0.80 – 0.90	<0.001	0.85	0.80 – 0.90
Qf	0.91	0.87 – 0.95	<0.001	0.91	0.87 – 0.95	0.91	0.86 – 0.96	0.001	0.91	0.86 – 0.96	0.92	0.86 – 0.99	0.018	0.92	0.86 – 0.99	0.98	0.85 – 1.12	0.72	0.97	0.85 – 1.11
Qa	1	1.00 – 1.00	0.043	1	1.00 – 1.00	1	0.99 – 1.00	0.131	1	0.99 – 1.00	1	0.99 – 1.01	0.628	1	0.99 – 1.01	0.02	0.00 – 0.69	0.03	0.02	0.00 – 0.86
tres	1.82	1.75 – 1.89	<0.001	1.82	1.75 – 1.90	1.82	1.73 – 1.92	<0.001	1.83	1.74 – 1.92	1.82	1.71 – 1.93	<0.001	1.82	1.72 – 1.93	1.77	1.63 – 1.92	<0.001	1.78	1.64 – 1.93
tdiff	2.49	2.19 – 2.84	<0.001	2.48	2.19 – 2.84	2.7	2.24 – 3.25	<0.001	2.68	2.23 – 3.21	2.79	2.19 – 3.56	<0.001	2.75	2.17 – 3.53	2.3	1.47 – 3.59	<0.001	2.23	1.41 – 3.45
Site: SB	1.43	1.19 – 1.71	<0.001	1.43	1.19 – 1.70	1.4	1.10 – 1.77	0.006	1.4	1.10 – 1.78	1.43	1.07 – 1.90	0.016	1.43	1.07 – 1.91	1.49	0.94 – 2.34	0.088	1.49	0.94 – 2.35
Site: ED	9.12	1.48 – 56.12	0.017	9.47	0.28 – 451.87	8.44	1.28 – 55.82	0.027	8.97	0.19 – 352.85	8.53	1.25 – 58.18	0.029	9.47	0.23 – 560.58	10.72	1.58 – 72.60	0.015	13.06	0.31 – 811.15
sesas.: Spring	1.88	1.63 – 2.17	<0.001	1.89	1.64 – 2.18	2.13	1.76 – 2.59	<0.001	2.14	1.76 – 2.62	2.31	1.82 – 2.93	<0.001	2.33	1.82 – 2.95	2.97	2.08 – 4.23	<0.001	3.03	2.12 – 4.33
sesas.: Summer	1.77	1.49 – 2.10	<0.001	1.77	1.49 – 2.10	1.86	1.48 – 2.33	<0.001	1.86	1.48 – 2.36	2.01	1.52 – 2.64	<0.001	2.01	1.53 – 2.66	3.29	2.18 – 4.96	<0.001	3.34	2.21 – 5.05
sesas.: Winter	0.03	0.00 – 0.21	<0.001	0.02	0.00 – 0.11	0.03	0.00 – 0.23	0.001	0.02	0.00 – 0.13	0.03	0.00 – 0.23	0.001	0.02	0.00 – 0.14	0.03	0.00 – 0.28	0.002	0.02	0.00 – 0.19
Ran. Eff.																				
SD Intercept	1.02			1.8		1.10			1.83		1.13			1.87		1.09			1.9	
Observations	18456			18456		6157			6157		3083			3083		775			775	

Table S4: Results for salmonidae, all time intervals, frequentist models (glmm) and Bayesian models (brm)

salmonidae	1-hour glmm			1-hour brm		3-hour glmm			3-hour brm		6-hour glmm			6-hour brm		24-hour glmm			24h-hour brm	
Predictors	IRR	CI	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)
(Intercept)	0	0.00 – 0.01	<0.001	0	0.00 – 0.02	0.01	0.00 – 0.03	<0.001	0.01	0.00 – 0.05	0.02	0.01 – 0.07	<0.001	0.02	0.00 – 0.10	1.36	0.24 – 7.84	0.727	1.25	0.15 – 9.82
Qd	0.99	0.97 – 1.02	0.577	0.99	0.97 – 1.02	0.99	0.96 – 1.02	0.432	0.99	0.96 – 1.02	1	0.97 – 1.03	0.943	1	0.97 – 1.03	0.84	0.77 – 0.92	<0.001	0.84	0.77 – 0.92
Qf	1.08	1.00 – 1.17	0.059	1.08	1.00 – 1.17	1.08	0.99 – 1.18	0.066	1.08	1.00 – 1.18	1.07	0.97 – 1.18	0.201	1.07	0.97 – 1.19	1.04	0.88 – 1.22	0.656	1.04	0.88 – 1.22
Qa	0.98	0.97 – 0.99	<0.001	0.98	0.97 – 0.99	0.95	0.92 – 0.98	0.003	0.95	0.90 – 0.97	0.96	0.92 – 0.99	0.023	0.95	0.90 – 0.98	0	0.00 – 0.10	0.002	0	0.00 – 0.12
tres	1.31	1.21 – 1.43	<0.001	1.31	1.21 – 1.43	1.32	1.21 – 1.44	<0.001	1.32	1.21 – 1.44	1.33	1.22 – 1.46	<0.001	1.33	1.21 – 1.47	1.33	1.20 – 1.48	<0.001	1.33	1.19 – 1.48
tdiff	0.87	0.61 – 1.25	0.465	0.86	0.59 – 1.23	0.97	0.66 – 1.42	0.878	0.95	0.65 – 1.40	1.09	0.71 – 1.66	0.692	1.06	0.71 – 1.61	1.46	0.72 – 2.97	0.299	1.35	0.68 – 2.68
Site: SB	6.8	4.71 – 9.81	<0.001	6.67	4.68 – 9.79	6.95	4.74 – 10.17	<0.001	6.87	4.66 – 10.17	6.77	4.45 – 10.30	<0.001	6.68	4.40 – 10.40	4.88	2.90 – 8.20	<0.001	4.79	2.79 – 8.22
Site: ED	1.26	0.53 – 3.02	0.602	1.23	0.12 – 11.05	1.22	0.52 – 2.90	0.647	1.18	0.14 – 7.71	1.14	0.49 – 2.66	0.768	1.1	0.14 – 9.40	0.97	0.43 – 2.21	0.946	1	0.15 – 7.08
sesas.: Spring	1.09	0.79 – 1.51	0.606	1.05	0.75 – 1.49	1.1	0.79 – 1.55	0.567	1.06	0.74 – 1.51	1.11	0.77 – 1.60	0.564	1.07	0.73 – 1.55	1.3	0.88 – 1.90	0.185	1.23	0.81 – 1.85
sesas.: Summer	1.55	1.12 – 2.15	0.008	1.52	1.09 – 2.13	1.58	1.12 – 2.21	0.008	1.54	1.09 – 2.19	1.54	1.07 – 2.22	0.02	1.51	1.03 – 2.17	2.26	1.46 – 3.49	<0.001	2.17	1.39 – 3.42
sesas.: Winter	0.29	0.07 – 1.25	0.096	0.25	0.04 – 0.92	0.3	0.07 – 1.34	0.116	0.26	0.04 – 0.98	0.3	0.06 – 1.41	0.128	0.26	0.03 – 1.06	0.27	0.05 – 1.36	0.113	0.24	0.03 – 1.11
Ran. Eff.																				
SD Intercept	0.17			0.99		0.16			0.95		0.14			0.95		0.08			0.83	
Observations	18456			18456		6157			6157		3083			3083		775			775	

Table S5: Results for cyprinidae w/o Bream, all time intervals, frequentist models (glmm) and Bayesian models (brm)

cyprinidae w/o Bleak	1-hour glmm			1-hour brm			3-hour glmm			3-hour brm			6-hour glmm			6-hour brm			24-hour glmm			24h-hour brm	
Predictors	IRR	CI	p	IRR	CI (95%)		IRR	CI (95%)	p	IRR	CI (95%)		IRR	CI (95%)	p	IRR	CI (95%)		IRR	CI (95%)	p	IRR	CI (95%)
(Intercept)	0.36	0.11 – 1.17	0.09	0.31	0.04 – 2.03		0.77	0.20 – 2.93	0.701	0.62	0.06 – 4.56		0.86	0.19 – 3.94	0.85	0.65	0.05 – 5.94		5.06	0.52 – 48.91	0.162	3.32	0.10 – 54.58
Qd	0.96	0.94 – 0.98	<0.001	0.96	0.94 – 0.98		0.96	0.93 – 0.98	<0.001	0.96	0.93 – 0.98		0.92	0.89 – 0.95	<0.001	0.92	0.89 – 0.95		0.82	0.76 – 0.89	<0.001	0.83	0.77 – 0.90
Qf	0.95	0.90 – 1.00	0.06	0.95	0.90 – 1.00		0.97	0.91 – 1.05	0.482	0.97	0.90 – 1.05		1.05	0.96 – 1.15	0.31	1.05	0.95 – 1.15		1.1	0.91 – 1.33	0.318	1.09	0.90 – 1.32
Qa	0.99	0.99 – 0.99	<0.001	0.99	0.99 – 0.99		0.99	0.99 – 1.00	<0.001	0.99	0.99 – 1.00		0.98	0.97 – 0.99	<0.001	0.98	0.97 – 0.99		0.76	0.01 – 51.62	0.899	1.07	0.02 – 93.30
tres	1.47	1.41 – 1.54	<0.001	1.48	1.41 – 1.54		1.5	1.41 – 1.59	<0.001	1.5	1.41 – 1.60		1.47	1.37 – 1.59	<0.001	1.48	1.38 – 1.59		1.33	1.19 – 1.48	<0.001	1.34	1.20 – 1.51
tdiff	1.53	1.32 – 1.78	<0.001	1.53	1.32 – 1.77		1.48	1.21 – 1.82	<0.001	1.48	1.20 – 1.82		1.22	0.94 – 1.58	0.131	1.22	0.95 – 1.59		0.66	0.40 – 1.08	0.095	0.68	0.42 – 1.11
Site: SB	0.67	0.54 – 0.84	<0.001	0.68	0.54 – 0.85		0.75	0.55 – 1.00	0.054	0.75	0.55 – 1.02		0.85	0.59 – 1.23	0.391	0.87	0.60 – 1.25		0.87	0.49 – 1.54	0.63	0.9	0.51 – 1.60
Site: ED	3.02	0.61 – 15.04	0.178	3.33	0.17 – 85.38		3.56	0.69 – 18.39	0.13	3.96	0.18 – 129.26		4.59	0.86 – 24.58	0.075	5.2	0.16 – 232.13		7.96	1.51 – 41.97	0.014	9.5	0.30 – 560.82
sesas.: Spring	3.74	3.13 – 4.46	<0.001	3.78	3.16 – 4.49		3.96	3.11 – 5.04	<0.001	4.03	3.17 – 5.08		4.65	3.48 – 6.23	<0.001	4.76	3.52 – 6.35		5.23	3.45 – 7.90	<0.001	5.5	3.65 – 8.39
sesas.: Summer	0.87	0.72 – 1.07	0.184	0.88	0.72 – 1.07		0.87	0.66 – 1.14	0.307	0.88	0.68 – 1.15		1.1	0.79 – 1.52	0.58	1.11	0.80 – 1.55		1.47	0.92 – 2.33	0.103	1.51	0.96 – 2.46
sesas.: Winter	0.04	0.01 – 0.14	<0.001	0.04	0.01 – 0.11		0.04	0.01 – 0.15	<0.001	0.04	0.01 – 0.12		0.04	0.01 – 0.16	<0.001	0.04	0.01 – 0.14		0.03	0.01 – 0.17	<0.001	0.03	0.01 – 0.19
Ran. Eff.																							
SD Intercept	0.79			1.63			0.82			1.62			0.84			1.73			0.77			1.75	
Observations	18456			18456			6157			6157			3083			3083			775			775	

Table S6: Results for cyptinidae w/o Bream, all time intervals, frequentist models (glmm) and Bayesian models (brm)

percidae	1-hour glmm			1-hour brm		3-hour glmm			3-hour brm		6-hour glmm			6-hour brm		24-hour glmm			24h-hour brm	
Predictors	IRR	CI	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)	IRR	CI (95%)	p	IRR	CI (95%)
(Intercept)	0.05	0.01 – 0.31	0.001	0.08	0.01 – 3.25	0.15	0.02 – 0.95	0.045	0.2	0.01 – 5.60	0.22	0.03 – 1.61	0.136	0.3	0.02 – 10.06	4.6	0.38 – 55.15	0.229	5.35	0.21 – 195.26
Qd	1.01	0.99 – 1.04	0.165	1.01	0.99 – 1.03	1.02	0.99 – 1.04	0.267	1.02	0.99 – 1.04	1.01	0.98 – 1.04	0.569	1.01	0.98 – 1.05	0.9	0.83 – 0.97	0.008	0.9	0.84 – 0.98
Qf	0.88	0.83 – 0.93	<0.001	0.87	0.82 – 0.93	0.88	0.81 – 0.95	0.001	0.87	0.81 – 0.94	0.9	0.81 – 0.99	0.023	0.89	0.81 – 0.98	0.87	0.74 – 1.04	0.128	0.87	0.73 – 1.04
Qa	1	0.99 – 1.00	0.044	1	0.99 – 1.00	0.99	0.98 – 1.00	0.02	0.99	0.98 – 1.00	1	0.99 – 1.01	0.841	1	0.99 – 1.01	0.08	0.00 – 4.84	0.226	0.08	0.00 – 6.34
tres	2.19	2.04 – 2.35	<0.001	2.2	2.05 – 2.37	2.26	2.07 – 2.47	<0.001	2.27	2.08 – 2.47	2.25	2.03 – 2.48	<0.001	2.26	2.05 – 2.50	2.12	1.88 – 2.39	<0.001	2.13	1.89 – 2.42
tdiff	2.58	2.13 – 3.13	<0.001	2.57	2.12 – 3.12	2.72	2.08 – 3.56	<0.001	2.69	2.07 – 3.57	2.75	1.97 – 3.84	<0.001	2.7	1.95 – 3.76	3.61	1.87 – 6.95	<0.001	3.2	1.71 – 5.99
Site: SB	1.56	1.21 – 2.02	0.001	1.56	1.20 – 2.04	1.65	1.19 – 2.29	0.003	1.65	1.19 – 2.27	1.83	1.24 – 2.72	0.002	1.83	1.24 – 2.72	1.67	0.94 – 2.97	0.079	1.66	0.93 – 3.02
Site: ED	5.27	0.41 – 68.27	0.204	4.54	0.03 – 379.17	5.37	0.40 – 72.77	0.206	4.84	0.04 – 474.46	5.8	0.43 – 78.93	0.187	4.89	0.03 – 446.67	4.95	0.38 – 65.04	0.224	4.77	0.04 – 507.87
sesas.: Spring	0.39	0.32 – 0.49	<0.001	0.39	0.32 – 0.49	0.39	0.29 – 0.52	<0.001	0.39	0.30 – 0.53	0.41	0.29 – 0.58	<0.001	0.41	0.30 – 0.58	0.55	0.35 – 0.88	0.012	0.56	0.35 – 0.88
sesas.: Summer	1.5	1.18 – 1.91	0.001	1.51	1.19 – 1.93	1.73	1.27 – 2.35	0.001	1.74	1.28 – 2.36	1.85	1.29 – 2.66	0.001	1.87	1.31 – 2.70	2.76	1.71 – 4.47	<0.001	2.79	1.72 – 4.53
sesas.: Winter	0	0.00 – Inf	0.988	0	0.00 – 0.00	0	0.00 – Inf	0.991	0	0.00 – 0.00	0	0.00 – Inf	0.992	0	0.00 – 0.00	0	0.00 – Inf	0.995	0	0.00 – 0.00
Ran. Eff.																				
SD Intercept	2.02			2.42		2.07			2.38		2.06			2.38		1.95			2.33	
Observations	18456			18456		6157			6157		3083			3083		775			775	