Table S1. Comparison of parameter values when using all salamander data ("ALL") versus when using only data from salamanders collected underneath cover objects ("CO"). P.h. represents *P. hubrichti* and P.c. represents *P. cinereus*. Output is shown for mean parameter estimates from posterior distributions ("Mean"), standard deviations of posterior distributions ("sd"), and 2.5% and 97.5 % values from each posterior (i.e., 95% credibility intervals).

Species	Variable	Method	Site Type	Mean	sd	2.50%	97.50%
P.h.	Body Condition	ALL	Dominant	0	0.048	-0.097	0.09
P.h.	Body Condition	CO	Dominant	0.018	0.048	-0.079	0.113
P.h.	Body Condition	ALL	Mixed	0.008	0.05	-0.093	0.107
P.h.	Body Condition	CO	Mixed	0.005	0.052	-0.101	0.11
P.h.	Body Condition	ALL	Rare	-0.066	0.091	-0.243	0.113
P.h.	Body Condition	CO	Rare	-0.07	0.093	-0.25	0.115
P.c.	Body Condition	ALL	Dominant	-0.109	0.041	-0.19	-0.027
P.c.	Body Condition	CO	Dominant	-0.104	0.044	-0.189	-0.014
P.c.	Body Condition	ALL	Mixed	-0.084	0.041	-0.166	-0.002
P.c.	Body Condition	CO	Mixed	-0.079	0.044	-0.166	0.01
P.c.	Body Condition	ALL	Rare	-0.118	0.064	-0.246	0.008
P.c.	Body Condition	CO	Rare	-0.117	0.067	-0.245	0.015
P.h.	Tail loss	ALL	Dominant	0.238	0.42	-0.59	1.068
P.h.	Tail loss	CO	Dominant	0.276	0.425	-0.572	1.124
P.h.	Tail loss	ALL	Mixed	1.096	0.457	0.194	2.01
P.h.	Tail loss	CO	Mixed	1.171	0.473	0.234	2.12
P.h.	Tail loss	ALL	Rare	1.072	0.83	-0.534	2.72
P.h.	Tail loss	CO	Rare	1.087	0.823	-0.55	2.701
P.c.	Tail loss	ALL	Dominant	0.355	0.433	-0.608	1.142
P.c.	Tail loss	CO	Dominant	0.393	0.406	-0.444	1.165
P.c.	Tail loss	ALL	Mixed	0.556	0.41	-0.3	1.343
P.c.	Tail loss	CO	Mixed	0.606	0.396	-0.185	1.366
P.c.	Tail loss	ALL	Rare	0.776	0.601	-0.397	1.958
P.c.	Tail loss	CO	Rare	0.84	0.582	-0.28	1.972

P.h.	Recruitment	ALL	Dominant	-0.864	0.476	-1.828	0.085
P.h.	Recruitment	CO	Dominant	-0.798	0.491	-1.792	0.184
P.h.	Recruitment	ALL	Mixed	-0.831	0.545	-1.929	0.255
P.h.	Recruitment	CO	Mixed	-0.827	0.551	-1.913	0.256
P.h.	Recruitment	ALL	Rare	-0.098	0.869	-1.874	1.547
P.h.	Recruitment	CO	Rare	-0.038	0.888	-1.819	1.688
P.c.	Recruitment	ALL	Dominant	-0.013	0.617	-1.24	1.199
P.c.	Recruitment	CO	Dominant	0.042	0.555	-1.067	1.114
P.c.	Recruitment	ALL	Mixed	-0.604	0.635	-1.957	0.543
P.c.	Recruitment	CO	Mixed	-0.478	0.582	-1.686	0.613
P.c.	Recruitment	ALL	Rare	0.72	0.766	-0.905	2.099
P.c.	Recruitment	CO	Rare	0.85	0.706	-0.638	2.138