

# MABM power analysis parameters

Variable	expression	type	value
n.sim	$N_{sim}$	N	1000
n_years	$n_{yrs}$	grid	10, 20
survey_interval	$si_{yrs}$	grid	1, 2
n_sites	$n_{sites}$	grid	50, 100, 200
n_visits	$n_{visits}$	grid	2, 3
annual_r	$r_{ann}$	grid	-0.011441, -0.027345, -0.050000
spp	spp	grid	LABO, PESU/NYHU, EPFU, MYLU
base_C	$C_0$	frozen	12, 12, 1, 2
negbin	nb	frozen	TRUE, TRUE, TRUE, TRUE
theta	$\theta$	frozen	2.8, 3.6, 2.2, 2.2
sigma_site	$\sigma_{site}$	frozen	0.45, 0.65, 1.1, 0.2
sigma_r_site	$\sigma_r$	frozen	0.15
sigma_site_cor	$r_{site_{re}}$	frozen	-0.3, -0.3, 0.25, -0.3
sigma_yr	$\sigma_{yr}$	frozen	0.2, 0.1, 0.05, 0.1
site_cov_b	$b_{site}$	frozen	0
obs_cov_b	$b_{obs}$	frozen	0
omit_site_cov	$omit_{b_{site}}$	frozen	FALSE
omit_obs_cov	$omit_{b_{obs}}$	frozen	FALSE