

Table 1. Comparison of top 8 linear mixed effects models predicting the influence of reserve characteristics (total protected area, latitude, fishing pressure, and MPA age) on fish biomass response ratios across 12 MPAs in a temperate marine reserve network.

Model	df	Log likelihood	AICc	$\Delta AICc$
Total Protected Area + MPA age + (1 Site)	5	-19.102	49.1	0
Total Protected Area + Latitude + MPA age + (1 Site)	6	-18.123	49.5	0.43
Total Protected Area + MPA age + Fishing pressure + (1 Site)	6	-18.885	51.1	1.95
Total Protected Area + Latitude + MPA age + MPA age*Latitude + (1 Site)	7	-18.111	52	2.86
Total Protected Area+ Latitude + MPA age + Fishing Pressure + (1 Site)	7	-18.123	52	2.88
Total Protected Area+ Latitude + MPA age + Fishing Pressure + Fishing pressure*Latitude + (1 Site)	8	-17.576	53.4	4.32
Total Protected Area + Latitude + Fishing Pressure + Area*Fishing pressure + (1 Site)	7	-18.855	53.5	4.35
Total Protected Area+ Latitude + MPA age + Fishing Pressure + Area*Fishing pressure + (1 Site)	8	-17.813	53.9	4.8