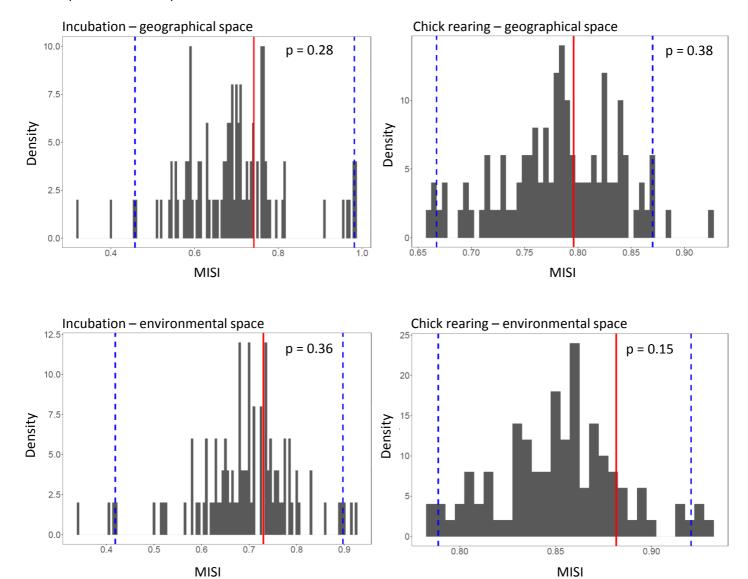
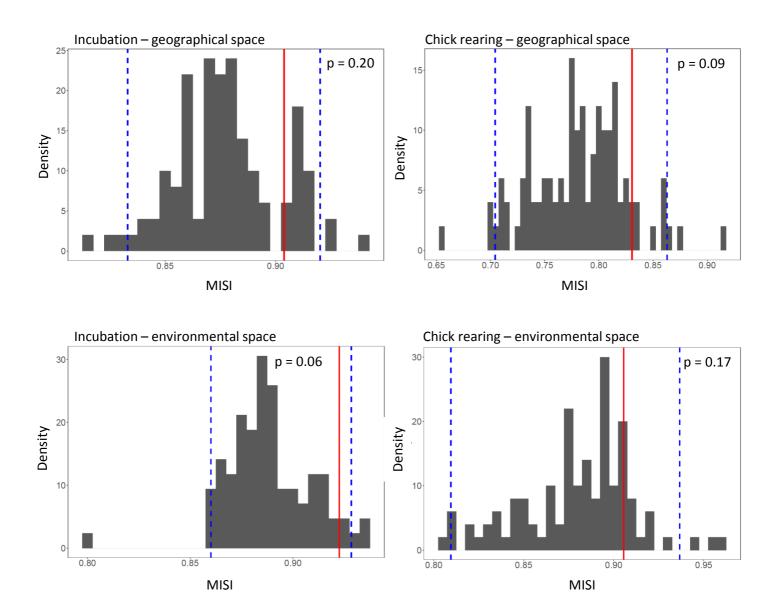
## Supplement 6.

**Fig. S.6.1.** Median population Multidimensional Individual Specialisation Index (MISI) values for Antarctic petrels during incubation (left) and chick-rearing (right), tested for individual specialisation in site fidelity (top) and individual environmental space (below). Comparison between the null model (histograms; blue dotted lines represent the 95 % confidence intervals) and the empirical values (vertical red lines).



**Fig. S.6.2.** Median population MISI values for Cape petrels during incubation (left) and chick-rearing (right), tested for individual specialisation in site fidelity (top) and individual environmental space (below). Comparison between the null model (histograms; blue dotted lines represent the 95 % confidence intervals) and the empirical values (vertical red lines).



**Fig. S.6.3.** Median population MISI values for southern fulmars during incubation (left) and chickrearing (right), tested for individual specialisation in site fidelity (top) and individual environmental space (below). Comparison between the null model (histograms; blue dotted lines represent the 95 % confidence intervals) and the empirical values (vertical red lines).

