Additional file 3: Fish size and environmental variables effects on *C. ignobilis* space use from model averaging analysis. (a) Core use (50% vertical kernel utilisation distribution - vKUD) and (b) extent (95% vKUD) in the central Great Barrier Reef from April 2013 to April 2014.

(a)

	Estimate Std. ±SE	**Z value**	***P* value**	**Relative importance**
(Intercept)	0.000 ±0.000	NA	NA	-
Water Temperature	-0.069 ±0.117	0.588	0.557	0.42
Rainfall	0.029 ±0.094	0.306	0.760	0.28
Fork length	-0.050 ±0.205	0.246	0.806	0.26
Light intensity	0.012 ±0.063	0.191	0.849	0.24
Wind speed	0.006 ±0.059	0.100	0.921	0.23

(b)

	Estimate Std. ±SE	**Z value**	***P* value**	**Relative importance**
(Intercept)	0.000 ±0.000	NA	NA	-
Wind speed	-0.136 ±0.143	0.948	0.343	0.63
Rainfall	0.035 ±0.090	0.383	0.701	0.31
Light intensity	0.017 ±0.068	0.253	0.800	0.27
Water temperature	-0.027 ±0.094	0.288	0.773	0.26
Fork length	-0.034 ±0.166	0.163	0.870	0.23