

ESM Table 1 Model selection table for cookiecutter shark bite probability. Explanatory variables include sea surface temperature (° C), Ordinal Date and lunar illumination, pilot whale social cluster was included as a random effect, with the degree of pilot whale body observed in each sighting included as an offset. Model of best fit values are shown in bold and italics

Response variable	Model Terms	AIC	ΔAIC	BIC	LL
Fresh bites	<i>temperature + s(ordinal date) + s(lunar illumination) ~ (1 Social Cluster), offset(-log body observed)</i>	38553.53	0.00	38926.87	-19269.76
	S(ordinal date) + s(lunar illumination) ~ (1 Social Cluster), offset(-log body observed)	38691.93	138.00	38731.97	-19339.96
	temperature+ s(lunar illumination) ~ (1 Social Cluster), offset(-log body observed)	38899.75	346.22	38933.12	-19444.87
	temperature ~ (1 Social Cluster), offset(-log body observed)	38900.18	346.64	38926.87	-19446.09
	s(lunar illumination) ~ (1 Social Cluster), offset(-log body observed)	38978.84	425.31	39005.54	-19485.42
	temperature + s(ordinal date) ~ (1 Social Cluster), offset(-log body observed)	38979.40	425.87	39012.77	-19484.69
	s(ordinal date) ~ (1 Social Cluster), offset(-log body observed)	39084.59	531.06	39111.29	-19538.29