

Table S1. Energy density of main prey species in food load delivered to rhinoceros auklet chicks

Region	Species	Energy density (kJ/g wet)	Reference
Northwest Pacific			
	<i>Engraulis japonicus</i>	6.29	Takahashi et al. 2001
	<i>Sardinops metanostictus</i>	6.26	Okado et al. 2021
	0+ <i>Ammodytes</i> spp.	3.78	Takahashi et al. 2001
	1≤ <i>Ammodytes</i> spp.	5.47	Takahashi et al. 2001
	<i>Pleurogrammus azonus</i>	4.78	Takahashi et al. 2001
	<i>Oncorhynchus</i> spp.	4.62	Okado et al. 2021
	<i>Todarodes pacificus</i>	4.70	Okado et al. 2021
Northeast Pacific			
	0+ <i>Ammodytes</i> spp.	8.22	Will et al. 2015
	1≤ <i>Ammodytes</i> spp.	4.49	Will et al. 2015
	<i>Mallotus villosus</i>	4.19	Will et al. 2015
	<i>Cololabis saira</i>	4.81	Vermeer & Devito 1986
	<i>Clupea pallasii</i>	1.36	Will et al. 2015
	<i>Anoplopoma fimbria</i>	4.66	Vermeer & Devito 1986

Table S2. Inter-annual differences in CORT, food load mass, food load energy content, and food load energy density showing p-values of Scheffé's post-hoc tests. Statistical significance: ***p < 0.001; **p < 0.01; *p < 0.05

Colony	Year	CORT	Food load mass	Food load energy content	Food load energy density
Teuri	2016-2015	0.047 *	0.989	0.940	0.906
	2017-2015	0.997	0.578	0.628	0.488
	2018-2015	0.706	0.467	0.681	1.000
	2019-2015	0.496	0.114	0.269	0.993
	2017-2016	0.043 *	0.199	0.111	0.042 *
	2018-2016	0.010 *	0.138	0.143	0.882
	2019-2016	0.003 **	0.015 *	0.021 *	0.580
	2018-2017	0.888	0.999	1.000	0.241
	2019-2017	0.753	0.780	0.944	0.632
	2019-2018	1.000	0.900	0.930	0.974
Daikoku	2016-2015	0.001 **	0.668	0.576	0.250
	2017-2015	0.967	0.002 **	0.021 *	<0.001 ***
	2017-2016	0.003 **	<0.001 ***	0.002 **	0.153
Triangle	2004-2003	0.027 *	0.119	0.802	0.085
St. Lazaria	2014-2013	0.158	0.445	0.849	0.523
	2015-2013	0.126	<0.001 ***	0.035 *	0.987
	2015-2014	0.976	0.033 *	0.215	0.685

LITERATURE CITED

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