

## Supplementary Material

Supplementary Table 1. Metrics describing species of prey found in 371 albacore stomachs collected in 2005 and 2006. *N* is numeric abundance. *M* is reconstituted mass. *FO* is the frequency of occurrence (presence) in stomachs. For all categories except cephalopods, length is body length. For cephalopods, length is lower rostral length.

Order/Family	Prey Category	N	%N	FO	%FO	Total Mass (g)	%M	Mean Length (cm)	Std Length (cm)	Mean Wt (g)	Std Wt (g)
CEPHALOPODS											
Argonautidae	<i>Argonauta argo</i>	26	0	4	1	98.8	0.4	0.0	0.00	3.8	4.00
Bolitaenidae	<i>Japatella heathi</i>	38	0	26	7	144.4	0.6	0.0	0.00	3.8	4.00
Chiroteuthidae	<i>Mastigoteuthis dentata</i>	10	0	4	1	38.0	0.2	0.0	0.00	3.8	4.00
Enoploteuthidae	<i>Abraliopsis</i> sp.	452	2	98	26	176.3	0.7	0.005	0.016	0.4	0.50
	<i>Octopoteuthis</i> sp.	70	0	43	12	266.0	1.0	0.009	0.035	3.8	4.00
Gonatidae	<i>Gonatopsis borealis</i>	1	0	1	0	3.8	0.0	0.0	0.00	3.8	4.00
	<i>Gonatus californiensis</i>	1	0	1	0	1.6	0.0	0.012	0.00	1.6	0.00
	<i>Gonatus onyx</i>	9	0	2	1	22.9	0.0	0.015	0.029	2.5	1.10
	<i>Gonatus pyro</i>	5	0	1	0	29.4	0.1	0.0	0.00	5.9	0.95
	<i>Gonatus</i> spp.	84	0	41	11	360.4	1.5	0.018	0.065	4.3	3.07
Histioteuthidae	<i>Histioteuthis</i> sp.	1	0	1	0	3.8	0.0	0.018	0.00	3.8	4.00
Loliginidae	<i>Loligo opalescens</i>	102	1	33	9	808.9	3.3	0.006	0.024	7.9	4.67
Ommastrephidae	<i>Eucleoteuthis luminosa</i>	1	0	1	0	3.8	0.0	0.0	0.00	3.8	4.00
Onychoteuthidae	<i>Moroteuthis robusta</i>	21	0	11	3	79.8	0.3	0.010	0.020	3.8	4.00
	<i>O. borealijaponica</i>	211	1	71	19	810.2	3.3	0.008	0.024	3.8	2.83
	Onychoteuthidae		17	0	1	0	64.6	0.3	0.0	0.00	3.8
Watasellidae	<i>Vampyroteuthis infernalis</i>	1	0	1	0	3.8	0.0	0.028	0.00	3.8	4.00
Decapoda	Squid unknown	326	2	109	29	1238.8	5.0	0.012	0.042	3.8	4.00
Octopoda	Octopus unknown	11	0	5	1	41.8	0.2	0.0	0.00	3.8	4.00
	Octopus C	71	0	29	8	71.0	0.3	0.0	0.00	1.0	0.00

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CRUSTACEA											
Amphipoda	<i>Phronima sedentaria</i>	249	1	72	19	12.5	0.0	22.0	6.36	0.1	0.00
	Amphipod unknown	129	1	44	12	5.2	0.0	9.2	6.51	0.0	0.00
Decapoda	<i>Pleuroncodes planipes</i>	4	0	2	1	8.0	0.0	33.8	2.47	2.0	0.00
	<i>Sergestes similis</i>	14	0	1	0	1.4	0.0	36.0	0.00	0.1	0.00
	Decapod unknown	2416	13	53	14	241.6	1.0	31.5	4.31	0.1	0.00
Euphausiacea	Euphausiid	2202	12	74	20	176.2	1.0	23.0	4.83	0.1	0.00
Isopoda	Isopod	13	0	5	1	0.7	0.0	5.9	0.17	0.1	0.00
Malacostraca	Malacostraca unknown	1006	5	99	27	100.6	0.4	15.8	6.16	0.1	0.00
FISHES											
Agonidae	<i>Bathyagonus pentacanthus</i>	1	0	1	0	0.0	0.0	0	0	0	0
Anotopteridae	<i>Anotopterus nikparini</i>	2	0	2	1	0.0	0.0	0	0	0	0
Atherinopsidae	<i>Atherinopsis californiensis</i>	1	0	1	0	6.9	0.0	94.6	0.00	6.9	0.00
Carangidae	<i>Trachurus symmetricus</i>	20	0	15	4	238.0	1.0	64.7	36.35	11.9	16.37
Centrolophidae	<i>Icichthys lockingtoni</i>	6	0	5	1	0.0	0.0	0.0	0.00	0.0	0.00
Clupeidae	<i>Sardinops sagax</i>	612	3	99	27	1077.1	4.0	49.2	16.93	1.8	3.58
Engraulidae	<i>Engraulis mordax</i>	5011	27	196	53	5612.3	23.0	34.7	9.97	1.1	1.30
Gadidae	<i>Merluccius productus</i>	3530	19	61	16	7342.4	30.0	60.9	15.30	2.1	2.03
Myctophidae	<i>Diaphus theta</i>	6	0	5	1	16.5	0.1	66.0	0.00	2.8	0.00
	<i>Stenobranchius leucopsarus</i>	19	0	12	3	36.5	0.2	59.8	15.74	1.9	1.63
	<i>Tarletonbeania crenularis</i>	3	0	3	1	10.9	0.0	74.8	0.00	3.6	0.00
	Myctophid unknown	29	0	24	6	49.4	0.2	53.2	17.15	1.7	1.35
Paralepididae	<i>Lestidiops ringens</i>	36	0	16	4	0.0	0.0	0.0	0.00	0.0	0.00
Pleuronectidae	<i>Pleuronichthys</i> spp.	3	0	3	1	0.5	0.0	21.0	3.61	0.2	0.08
	<i>Pleuronichthys decurrens</i>	6	0	2	1	0.5	0.0	18	1.41	0.09	0.02

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Psychrolutidae	Psychrolutidae	1	0	1	0	0.0	0.0	8.7	0.00	0.0	0.00
Scomberesocidae	<i>Cololabis saira</i>	374	2	68	18	4854.5	20.0	119.1	68.33	13.0	19.97
Sebastidae	<i>Sebastes aleutianus</i>	6	0	1	0	0.2	0.0	11.8	0.00	0.0	0.00
	<i>Sebastes brevispinus</i>	9	0	4	1	0.3	0.0	12.5	2.85	0.0	0.02
	<i>Sebastes diploproa</i>	38	0	4	1	3.0	0.0	16.8	2.58	0.1	0.04
	<i>Sebastes helvomaculatus</i>	7	0	1	0	0.0	0.0	0	0	0	0
	<i>Sebastes maliger</i>	1	0	1	0	0.0	0.0	11	0	0.02	0
	<i>Sebastes miniatus</i>	33	0	1	0	0.5	0.0	9.9	1.5556	0.02	0.01
	<i>Sebastes proriger</i>	8	0	3	1	0.4	0.0	14.4	1.98	0.0	0.02
	<i>Sebastes wilsoni</i> complex	16	0	4	1	0.8	0.0	13.0	7.07	0.1	0.06
	<i>Sebastes zacentrus</i>	43	0	1	0	5.0	0.0	19.3	0.6	0.12	0.01
	<i>Sebastes unknown</i>	664	4	110	30	44.0	0.0	14.4	5.0	0.1	0.08
Syngnathidae	<i>Syngnathus californiensis</i>	4	0	4	1	0.0	0.0	0	0	0	0
Fishes unknown		413	2	81	22	384.1	2.0	40.1	16.4	0.9	0.81
THALIACEA		6	0	4	1	12.0	0.0	0.0	0.00	2.0	0.00
<b>Sum</b>		<b>18401</b>		<b>371</b>		<b>24511</b>					

Supplementary Figure 1. Distribution of foraging on a) euphausiids, b) *Doryteuthis opalescens*, c) the family Myctophidae, d) *Cololabis saira*, e) *Merluccius productus*, and f) *Onychoteuthis borealijaponicus* calculated as the percentage contribution to total energy intake averaged over a Daily Sampling Unit (DSU).



