Table S1. Bayesian ellipse areas (SEA_B) estimations for each species/feeding group.

	Lagenorhynchus australis			*Cephalorhynchus commersonii*
	FG1	FG2	FG3	
Min.	0.986	1.108	2.893	0.756
1st Qu.	1.534	1.712	6.177	1.302
Median	1.926	1.936	8.583	1.553
Mean	2.008	2.061	9.372	1.613
3rd Qu.	2.356	2.383	10.717	1.859
Max.	3.762	3.998	24.018	3.133

Table S2. Bayesian estimations for the overlap between 95% Bayesian ellipse areas (SEA_B).

Overlap expressed in $‰^2$

	FG2 & CC	FG2 & FG3
Min.	0.000	0.000
1st Qu.	0.193	0.140
Median	0.596	0.706
Mean	0.646	0.765
3rd Qu.	10.114	12.133
Max.	19.064	30.476

Percentages of overlap for each group*

	CC	**FG2**	**FG3**
CC	-	40.04	-
FG2	31.34	-	37.07
FG3	-	8.15	-

*It must be read from row to column; e.g. the overlap of FG2 with CC represents 31.34% of its isotopic niche.

Table S3. Diagnostic tests used in MixSIAR models for both species of dolphins.

		Gelman-Rubin Diagnostic			**Geweke Diagnostic**		
	Number of variables	Variable >1.01	Variable >1.05	Variable >1.1	Variables outside in Chain 1	Variables outside in Chain 2	Variables outside in Chain 3
L. australis	49	0	0	0	1	10	4
C. commersonii	28	0	0	0	0	0	6

Table S4. Results of the MixSIAR model in *Cephalorhynchus commersonii.*

	Mean	**SD**	**2.5%**	**5%**	**25%**	**50%**	**75%**	**95%**	**97.5%**
Pleoticus muelleri	0.106	0.072	0.005	0.009	0.046	0.099	0.154	0.242	0.268
Patagonotothen ramsayi	0.084	0.060	0.004	0.007	0.036	0.074	0.123	0.196	0.222
Merluccius hubbsi <30 cm	0.563	0.118	0.325	0.366	0.487	0.563	0.640	0.759	0.795
Illex argentinus	0.247	0.089	0.079	0.104	0.185	0.245	0.305	0.395	0.423
Pleoticus muelleri	0.106	0.072	0.005	0.009	0.046	0.099	0.154	0.242	0.268

Table S5. Results of the MixSIAR model in *Lagenorhynchus australis* feeding groups.

	Mean	**SD**	**2.5%**	**5%**	**25%**	**50%**	**75%**	**95%**	**97.5%**
Feeding group 3									
Benthic fish	0.374	0.158	0.026	0.055	0.272	0.413	0.493	0.575	0.605
Decapod Crustaceans	0.245	0.210	0.007	0.013	0.069	0.173	0.397	0.650	0.713
Demersal-Benthic fish	0.073	0.064	0.002	0.005	0.023	0.056	0.105	0.206	0.239
Pelagic fish	0.139	0.069	0.032	0.045	0.088	0.130	0.180	0.268	0.296
Squids	0.169	0.082	0.035	0.048	0.104	0.163	0.227	0.311	0.343
Feeding group 2									
Benthic fish	0.111	0.057	0.013	0.022	0.067	0.109	0.150	0.208	0.225
Decapod Crustaceans	0.136	0.094	0.004	0.008	0.058	0.123	0.201	0.311	0.342
Demersal-Benthic fish	0.060	0.062	0.001	0.002	0.015	0.039	0.087	0.186	0.228
Pelagic fish	0.410	0.108	0.168	0.217	0.348	0.419	0.483	0.570	0.601
Squids	0.284	0.094	0.097	0.136	0.223	0.279	0.343	0.446	0.480