

Supplement**Table S1.** Capture information of sampled dusky, tiger and white sharks including total length (TL cm), mouth gape (cm), capture location and sex

Species	Capture date	TL (cm)	Gape (cm)	Location	Sex
Tiger	25/04/2021	235	23	Ballina	M
Tiger	29/04/2021	219	24	Ballina	M
Tiger	29/04/2021	256	27	Ballina	M
Tiger	29/04/2021	273	29	Ballina	M
Tiger	9/05/2021	201	22	Ballina	F
Tiger	7/06/2021	251	19	Ballina	F
Tiger	12/06/2021	250	22	Ballina	M
Tiger	14/06/2021	365	37	Ballina	M
Tiger	19/08/2021	354	36	Ballina	F
Tiger	25/08/2021	176	16	Ballina	F
Tiger	2/09/2021	193	18	Ballina	M
Tiger	5/09/2021	308	31	Evans Head	F
Tiger	26/09/2021	224	21	Evans Head	F
Tiger	29/09/2021	241	22	Ballina	F
Tiger	4/01/2021	228	20	Evans Head	F
Tiger	4/11/2021	245	23	Ballina	M
Tiger	13/11/2021	232	20	Ballina	M
Tiger	13/11/2021	255	27	Ballina	M
Tiger	15/11/2021	238	24	Ballina	M
Tiger	22/11/2021	243	24	Ballina	M
Tiger	20/12/2021	191	22	Coffs Harbour	F
Tiger	21/12/2021	178	19	Forster	F
Tiger	22/12/2021	166	16	Forster	F
Tiger	23/12/2021	180	20	Coffs Harbour	F
Tiger	30/12/2021	214	24	Ballina	F
Tiger	21/02/2022	262	24	Ballina	F
Tiger	16/06/2021	270	30	Ballina	M
Tiger	29/04/2022	148	24	Ballina	F
Tiger	15/04/2022	214	22	Coffs Harbour	F

Species	Capture date	TL (cm)	Gape (cm)	Location	Sex
Tiger	26/06/2022	164	35	Coffs Harbour	F
Dusky	28/03/2022	175	21	Lake Macquarie	F
Dusky	9/05/2022	139	12	Lake Macquarie	F
Dusky	17/05/2022	134	13	Lake Macquarie	F
Dusky	20/03/2022	182	15	Lake Macquarie	M
Dusky	5/05/2022	270	23	Ballina	M
Dusky	15/09/2022	355	30	Ballina	F
Dusky	25/08/2022	269	22	Coffs Harbour	M
Dusky	1/07/2022	152	14	Coffs Harbour	M
Dusky	2/07/2022	161	15	Lake Macquarie	M
Dusky	12/10/2022	163	12	Coffs Harbour	F
Dusky	25/09/2022	290	27	Ballina	M
Dusky	6/08/2022	134	14	Coffs Harbour	F
Dusky	19/09/2022	235	22	Ballina	F
Dusky	2/10/2022	225	16	Evans Head	F
Dusky	19/04/2022	143	14	Lake Macquarie	M
Dusky	4/04/2022	290	24	Port Macquarie	F
Dusky	2/05/2022	176	21	Lake Macquarie	M
Dusky	1/05/2022	199	16	Coffs Harbour	M
Dusky	20/04/2022	345	34	Port Macquarie	M
Dusky	7/08/2022	270	25	Ballina	M
Dusky	15/04/2022	156	17	Lake Macquarie	F
Dusky	18/03/2022	189	17	Lake Macquarie	M
Dusky	2/05/2022	150	16	Lake Macquarie	F
Dusky	20/10/2022	162	16	Lake Macquarie	M
Dusky	30/11/2021	283	23	Ballina	M
Dusky	20/05/2022	135	13	Lake Macquarie	F
Dusky	15/05/2022	159	15	Lake Macquarie	M
Dusky	13/03/2022	128	12	Lake Macquarie	M
Dusky	20/05/2022	142	15	Lake Macquarie	F
Dusky	2/05/2022	140	14	Lake Macquarie	F

Species	Capture date	TL (cm)	Gape (cm)	Location	Sex
White	23/12/2021	384	34	Forster	F
White	18/08/2021	243	20	Ballina	M
White	21/10/2021	299	26	Ballina	F
White	12/11/2021	241	20	Forster	F
White	6/09/2021	225	21	Evans Head	F
White	16/08/2021	256	23	Ballina	M
White	3/11/2021	254	20	Evans Head	M
White	21/08/2021	224	20	Evans Head	M
White	23/12/2021	238	28	Forster	F
White	7/05/2021	265	24	Ballina	F
White	25/01/2022	263	21	Forster	F
White	19/05/2021	206	19	Forster	F
White	20/05/2021	288	24	Forster	F
White	23/05/2021	379	32	Ballina	M
White	18/06/2021	388	32	Ballina	F
White	21/06/2021	233	23	Evans Head	M
White	24/06/2021	233	23	Evans Head	M
White	25/06/2021	263	23	Ballina	F
White	25/06/2021	186	18	Evans Head	F
White	26/06/2021	280	24	Ballina	F
White	27/06/2021	208	17	Ballina	F
White	24/09/2021	210	19	Evans Head	F
White	8/07/2021	210	19	Evans Head	F
White	9/07/2021	180	16.5	Evans Head	M
White	10/07/2021	301	24	Ballina	M
White	10/07/2021	233	22	Evans Head	F
White	13/07/2021	290	26	Evans Head	M
White	13/07/2021	240	20	Evans Head	F
White	13/07/2021	317	29	Evans Head	M
White	13/07/2021	292	24	Ballina	M
White	15/07/2021	236	18	Ballina	F

Species	Capture date	TL (cm)	Gape (cm)	Location	Sex
White	16/07/2021	212	18	Evans Head	M
White	28/07/2021	265	24	Ballina	F
White	9/11/2021	265	20	Forster	F
White	30/07/2021	163	14	Ballina	M
White	2/09/2021	240	22.5	Ballina	F
White	11/08/2021	283	25	Ballina	M
White	12/08/2021	202	18	Evans Head	M
White	15/08/2021	192	18	Ballina	F
White	16/08/2021	167	17	Evans Head	F
White	17/08/2021	203	19	Evans Head	M
White	18/08/2021	280	26	Ballina	M
White	19/08/2021	201	18	Ballina	M
White	5/10/2021	208	18	Evans Head	M
White	21/08/2021	228	20	Evans Head	M
White	22/08/2021	242	22	Ballina	F
White	21/08/2021	271	21	Ballina	F
White	28/08/2021	250	21	Evans Head	M
White	29/08/2021	273	23	Ballina	M
White	31/08/2021	204	17	Ballina	M
White	31/08/2021	171	14	Ballina	F
White	3/09/2021	215	21	Evans Head	M
White	5/09/2021	238	21	Ballina	F
White	6/09/2021	168	15	Evans Head	F
White	10/09/2021	340	31	Evans Head	M
White	10/09/2021	264	24	Evans Head	M
White	10/09/2021	210	19	Evans Head	F
White	11/09/2021	211	18	Ballina	F
White	11/09/2021	204	19	Evans Head	M
White	12/09/2021	205	19	Evans Head	M
White	12/09/2021	215	19	Evans Head	F
White	15/09/2021	240	21	Evans Head	M

Species	Capture date	TL (cm)	Gape (cm)	Location	Sex
White	23/09/2021	251	20	Ballina	M
White	27/09/2021	225	19	Evans Head	M
White	30/09/2021	180	16	Ballina	M
White	3/10/2021	205	17	Evans Head	M
White	4/10/2021	212	16	Ballina	F
White	5/10/2021	298	25	Ballina	F
White	6/10/2021	215	19	Evans Head	F
White	6/10/2021	300	27	Evans Head	F
White	8/10/2021	340	32	Ballina	M
White	9/10/2021	253	20	Evans Head	F
White	11/10/2021	297	26	Ballina	M
White	23/10/2021	254	20	Ballina	F
White	24/10/2021	215	18	Ballina	F
White	25/10/2021	238	23	Evans Head	F
White	26/10/2021	270	26	Ballina	F
White	1/11/2021	323	29	Evans Head	F
White	4/11/2021	217	19	Evans Head	F
White	9/11/2021	205	17	Forster	F
White	11/11/2021	212	17	Forster	F
White	12/11/2021	260	22	Forster	F
White	15/11/2021	210	20	Coffs Harbour	M
White	15/11/2021	220	20	Ballina	M
White	17/11/2021	275	23	Forster	F
White	20/11/2021	287	26	Forster	F
White	20/11/2021	252	22	Forster	F
White	23/11/2021	228	20	Forster	F
White	23/11/2021	289	26	Forster	F
White	25/11/2021	202	18	Coffs Harbour	F
White	10/12/2021	188	15	Forster	M
White	11/12/2021	220	18	Forster	F
White	13/12/2021	228	18	Forster	F

Species	Capture date	TL (cm)	Gape (cm)	Location	Sex
White	14/12/2021	240	23	Forster	F
White	30/12/2021	221	19	Forster	F
White	16/01/2022	222	19	Forster	F
White	3/01/2022	259	20	Forster	F
White	3/01/2022	277	22	Forster	F
White	9/01/2022	247	21	Forster	M
White	9/01/2022	262	22	Forster	F
White	14/01/2022	220	18	Forster	F
White	17/01/2022	287	26	Forster	F
White	3/02/2022	254	24	Forster	M

Table S2. Linear model results testing the effects of sex and total length (cm) on tissue $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values from dusky, tiger and white sharks caught on SMART drumlines in the present study. Significant *p*-values in bold.

Response	Parameter	Estimate	SE	<i>t</i>	<i>p</i>
Dusky sharks					
$\delta^{13}\text{C}$	Intercept	-16.913	0.288	-58.689	2e-16
	SexM	0.156	0.180	0.865	0.395
	Total length (cm)	0.002	0.001	1.756	0.091
$\delta^{15}\text{N}$	Intercept	15.187	0.494	30.728	2e-16
	SexM	0.027	0.309	0.090	0.929
	Total length (cm)	0.001	0.002	0.692	0.495
Tiger sharks					
$\delta^{13}\text{C}$	Intercept	-15.441	0.310	-49.690	2e-16
	SexM	-0.045	0.137	-0.327	0.746
	Total length (cm)	-0.002	0.001	-2.085	0.046
$\delta^{15}\text{N}$	Intercept	16.260	0.781	20.815	2e-16
	SexM	-0.021	0.346	-0.63	0.950
	Total length (cm)	-0.008	0.003	-2.603	0.014
White sharks					
$\delta^{13}\text{C}$	Intercept	-1.624e+01	2.747e-0	-59.142	<2e-16
	SexM	-1.047e-01	9.992e-02	-1.047	0.297
	Total length (cm)	5.137e-04	1.093e-03	0.470	0.640
$\delta^{15}\text{N}$	Intercept	15.133	0.173	87.113	<2e-16
	SexM	-0.043	0.063	-0.694	0.486
	Total length (cm)	0.001	0.001	2.466	0.015