

Table S1. Sample metadata for juvenile bull sharks (*Carcharhinus leucas*) from northwest Gulf of Mexico estuaries. Xs in columns “Stomach Content Analysis” and “Stable Isotope Analysis” indicates analysis was performed for each sample.

Shark ID	Year	Season	Estuary	Region	Sex	Fork Length (cm)	Stomach Content Analysis	Stable Isotope Analysis
Cleu_001	2013	Fall	Sabine Lake	North	Female	622	X	X
Cleu_002	2013	Fall	Sabine Lake	North	Male	682	X	X
Cleu_003	2013	Fall	Sabine Lake	North	Male	718	X	X
Cleu_004	2013	Fall	Sabine Lake	North	Male	730	X	X
Cleu_005	2013	Fall	Sabine Lake	North	Female	740	X	X
Cleu_006	2014	Fall	Sabine Lake	North	Male	682	X	-
Cleu_007	2014	Fall	Sabine Lake	North	Male	720	X	-
Cleu_008	2014	Fall	Sabine Lake	North	Male	759	X	X
Cleu_009	2014	Fall	Sabine Lake	North	Male	800	X	X
Cleu_010	2014	Fall	Sabine Lake	North	Male	954	X	X
Cleu_011	2014	Fall	Sabine Lake	North	Male	1017	X	-
Cleu_012	2014	Spring	Sabine Lake	North	Female	625	X	-
Cleu_013	2014	Spring	Sabine Lake	North	Female	642	X	-
Cleu_014	2014	Spring	Sabine Lake	North	Male	664	X	-
Cleu_015	2014	Spring	Sabine Lake	North	Male	713	X	X
Cleu_016	2014	Spring	Sabine Lake	North	Male	727	X	-
Cleu_017	2014	Spring	Sabine Lake	North	Male	738	X	X
Cleu_018	2014	Spring	Sabine Lake	North	Male	755	X	-
Cleu_019	2014	Spring	Sabine Lake	North	Male	762	X	-
Cleu_020	2014	Spring	Sabine Lake	North	Male	795	X	X
Cleu_021	2014	Spring	Sabine Lake	North	Female	856	X	-
Cleu_022	2015	Fall	Sabine Lake	North	Male	693	X	X
Cleu_023	2015	Fall	Sabine Lake	North	Male	718	X	X
Cleu_024	2015	Fall	Sabine Lake	North	Male	740	X	X
Cleu_025	2015	Fall	Sabine Lake	North	Female	792	X	-
Cleu_026	2015	Fall	Sabine Lake	North	Male	815	X	-

Cleu_027	2015	Fall	Sabine Lake	North	Male	849	X	X
Cleu_028	2015	Spring	Sabine Lake	North	Female	751	X	X
Cleu_029	2015	Spring	Sabine Lake	North	Male	790	X	X
Cleu_030	2015	Spring	Sabine Lake	North	Male	851	X	X
Cleu_031	2015	Spring	Sabine Lake	North	Female	857	X	-
Cleu_032	2015	Spring	Sabine Lake	North	Male	862	X	-
Cleu_033	2015	Spring	Sabine Lake	North	Female	874	X	X
Cleu_034	2015	Spring	Sabine Lake	North	Female	951	X	-
Cleu_035	2015	Spring	Sabine Lake	North	Male	1003	X	X
Cleu_036	2016	Fall	Sabine Lake	North	Female	596	-	X
Cleu_037	2016	Fall	Sabine Lake	North	Male	638	X	X
Cleu_038	2016	Fall	Sabine Lake	North	Female	655	X	-
Cleu_039	2016	Fall	Sabine Lake	North	Male	664	-	X
Cleu_040	2016	Fall	Sabine Lake	North	Female	684	-	X
Cleu_041	2016	Fall	Sabine Lake	North	Male	774	-	X
Cleu_042	2016	Fall	Sabine Lake	North	Female	873	-	X
Cleu_043	2016	Fall	Sabine Lake	North	Male	910	-	X
Cleu_044	2016	Fall	Sabine Lake	North	Female	1011	X	X
Cleu_045	2016	Spring	Sabine Lake	North	Male	695	X	-
Cleu_046	2016	Spring	Sabine Lake	North	Female	700	X	X
Cleu_047	2013	Spring	Galveston Bay	North	Male	720	X	-
Cleu_048	2013	Spring	Galveston Bay	North	Male	720	X	-
Cleu_049	2013	Spring	Galveston Bay	North	Female	728	X	-
Cleu_050	2013	Spring	Galveston Bay	North	Female	768	X	-
Cleu_051	2014	Fall	Galveston Bay	North	Male	614	X	-
Cleu_052	2014	Fall	Galveston Bay	North	Female	624	X	-
Cleu_053	2014	Fall	Galveston Bay	North	Male	687	X	X
Cleu_054	2014	Fall	Galveston Bay	North	Male	687	X	-
Cleu_055	2014	Fall	Galveston Bay	North	Female	690	X	-
Cleu_056	2014	Fall	Galveston Bay	North	Male	696	X	-
Cleu_057	2014	Fall	Galveston Bay	North	Male	715	X	-
Cleu_058	2014	Fall	Galveston Bay	North	Female	718	X	-

Cleu_059	2014	Fall	Galveston Bay	North	Female	726	X	-
Cleu_060	2014	Fall	Galveston Bay	North	Female	737	X	-
Cleu_061	2014	Fall	Galveston Bay	North	Female	738	X	-
Cleu_062	2014	Fall	Galveston Bay	North	Male	739	X	-
Cleu_063	2014	Fall	Galveston Bay	North	Male	883	X	-
Cleu_064	2014	Fall	Galveston Bay	North	Female	950	X	X
Cleu_065	2014	Fall	Galveston Bay	North	Female	987	X	X
Cleu_066	2014	Spring	Galveston Bay	North	Male	635	X	X
Cleu_067	2014	Spring	Galveston Bay	North	Female	659	X	-
Cleu_068	2014	Spring	Galveston Bay	North	Male	696	X	-
Cleu_069	2014	Spring	Galveston Bay	North	Female	723	X	-
Cleu_070	2014	Spring	Galveston Bay	North	Female	725	X	X
Cleu_071	2014	Spring	Galveston Bay	North	Male	737	X	X
Cleu_072	2014	Spring	Galveston Bay	North	Male	744	X	-
Cleu_073	2014	Spring	Galveston Bay	North	Male	775	X	-
Cleu_074	2014	Spring	Galveston Bay	North	Female	796	X	X
Cleu_075	2014	Spring	Galveston Bay	North	Male	807	X	-
Cleu_076	2014	Spring	Galveston Bay	North	Male	941	X	-
Cleu_077	2014	Spring	Galveston Bay	North	Female	944	X	-
Cleu_078	2014	Spring	Galveston Bay	North	Male	1017	X	X
Cleu_079	2015	Fall	Galveston Bay	North	Female	669	X	-
Cleu_080	2015	Fall	Galveston Bay	North	Female	690	X	X
Cleu_081	2015	Fall	Galveston Bay	North	Female	709	X	X
Cleu_082	2015	Fall	Galveston Bay	North	Female	730	X	-
Cleu_083	2015	Fall	Galveston Bay	North	Female	735	X	-
Cleu_084	2015	Fall	Galveston Bay	North	Male	736	X	-
Cleu_085	2015	Fall	Galveston Bay	North	Female	743	X	-
Cleu_086	2015	Fall	Galveston Bay	North	Male	750	X	X
Cleu_087	2015	Fall	Galveston Bay	North	Male	758	X	-
Cleu_088	2015	Fall	Galveston Bay	North	Female	767	X	X
Cleu_089	2015	Fall	Galveston Bay	North	Female	770	X	-
Cleu_090	2015	Fall	Galveston Bay	North	Male	779	X	-

Cleu_091	2015	Fall	Galveston Bay	North	Male	865	X	X
Cleu_092	2015	Fall	Galveston Bay	North	Male	888	X	X
Cleu_093	2015	Spring	Galveston Bay	North	Female	717	X	X
Cleu_094	2015	Spring	Galveston Bay	North	Female	774	X	-
Cleu_095	2015	Spring	Galveston Bay	North	Male	790	X	-
Cleu_096	2015	Spring	Galveston Bay	North	Male	794	X	X
Cleu_097	2015	Spring	Galveston Bay	North	Female	801	X	X
Cleu_098	2015	Spring	Galveston Bay	North	Female	847	X	-
Cleu_099	2015	Spring	Galveston Bay	North	Female	878	X	-
Cleu_100	2015	Spring	Galveston Bay	North	Male	884	X	-
Cleu_101	2015	Spring	Galveston Bay	North	Male	884	X	-
Cleu_102	2015	Spring	Galveston Bay	North	Female	886	X	-
Cleu_103	2015	Spring	Galveston Bay	North	Male	1062	X	X
Cleu_104	2016	Fall	Galveston Bay	North	Male	651	X	X
Cleu_105	2016	Fall	Galveston Bay	North	Female	655	X	X
Cleu_106	2016	Fall	Galveston Bay	North	Male	683	X	X
Cleu_107	2016	Fall	Galveston Bay	North	Male	705	X	-
Cleu_108	2016	Fall	Galveston Bay	North	Male	723	-	X
Cleu_109	2016	Fall	Galveston Bay	North	Female	728	X	X
Cleu_110	2016	Spring	Galveston Bay	North	Male	549	X	X
Cleu_111	2016	Spring	Galveston Bay	North	Female	686	X	X
Cleu_112	2016	Spring	Galveston Bay	North	Male	800	X	X
Cleu_113	2016	Spring	Galveston Bay	North	Male	842	X	X
Cleu_114	2016	Fall	Sabine Lake	South	Female	710	-	X
Cleu_115	2016	Fall	Sabine Lake	South	Male	831	X	-
Cleu_116	2016	Fall	Sabine Lake	South	Female	956	X	-
Cleu_117	2013	Fall	Matagorda Bay	South	Male	585	-	X
Cleu_118	2013	Fall	Matagorda Bay	South	Female	638	-	X
Cleu_119	2013	Fall	Matagorda Bay	South	Male	696	-	X
Cleu_120	2013	Fall	Matagorda Bay	South	Male	701	-	X
Cleu_121	2015	Fall	Matagorda Bay	South	Male	732	X	X
Cleu_122	2015	Fall	Matagorda Bay	South	Female	754	X	X

Cleu_123	2015	Fall	Matagorda Bay	South	Male	758	X	X
Cleu_124	2015	Fall	Matagorda Bay	South	Female	793	X	X
Cleu_125	2015	Fall	Matagorda Bay	South	Female	900	X	X
Cleu_126	2015	Spring	Matagorda Bay	South	Female	699	X	X
Cleu_127	2015	Spring	Matagorda Bay	South	Female	745	X	X
Cleu_128	2015	Spring	Matagorda Bay	South	Female	775	X	X
Cleu_129	2015	Spring	Matagorda Bay	South	Male	865	X	X
Cleu_130	2016	Fall	Matagorda Bay	South	Female	648	X	X
Cleu_131	2016	Fall	Matagorda Bay	South	Male	680	X	X
Cleu_132	2016	Fall	Matagorda Bay	South	Male	709	X	X
Cleu_133	2016	Fall	Matagorda Bay	South	Male	725	X	-
Cleu_134	2016	Fall	Matagorda Bay	South	Male	731	X	-
Cleu_135	2016	Fall	Matagorda Bay	South	Male	787	X	-
Cleu_136	2016	Fall	Matagorda Bay	South	Male	837	X	X
Cleu_137	2016	Fall	Matagorda Bay	South	Male	842	X	-
Cleu_138	2016	Fall	Matagorda Bay	South	Female	900	X	X
Cleu_139	2016	Fall	Matagorda Bay	South	Female	937	X	-
Cleu_140	2016	Fall	Matagorda Bay	South	Male	954	X	X
Cleu_141	2016	Spring	Matagorda Bay	South	Male	619	X	X
Cleu_142	2016	Spring	Matagorda Bay	South	Female	802	X	X
Cleu_143	2016	Spring	Matagorda Bay	South	Female	926	X	-
Cleu_144	2016	Spring	Matagorda Bay	South	Male	947	X	-
Cleu_145	2016	Spring	Matagorda Bay	South	Female	948	X	X
Cleu_146	2016	Spring	Matagorda Bay	South	Female	1183	-	X
Cleu_147	2013	Fall	Aransas Bay	South	Female	631	X	X
Cleu_148	2013	Fall	Aransas Bay	South	Female	694	X	X
Cleu_149	2013	Fall	Aransas Bay	South	Male	702	X	X
Cleu_150	2013	Fall	Aransas Bay	South	Female	731	X	X
Cleu_151	2014	Fall	Aransas Bay	South	Female	648	X	X
Cleu_152	2014	Fall	Aransas Bay	South	Female	679	X	-
Cleu_153	2014	Fall	Aransas Bay	South	Male	680	X	-
Cleu_154	2014	Fall	Aransas Bay	South	Female	681	X	-

Cleu_155	2014	Fall	Aransas Bay	South	Male	682	X	-
Cleu_156	2014	Fall	Aransas Bay	South	Female	697	X	-
Cleu_157	2014	Fall	Aransas Bay	South	Male	713	X	-
Cleu_158	2014	Fall	Aransas Bay	South	Male	720	X	-
Cleu_159	2014	Fall	Aransas Bay	South	Female	722	X	-
Cleu_160	2014	Fall	Aransas Bay	South	Male	723	X	-
Cleu_161	2014	Fall	Aransas Bay	South	Male	728	X	-
Cleu_162	2014	Fall	Aransas Bay	South	Female	739	X	-
Cleu_163	2014	Fall	Aransas Bay	South	Male	744	X	-
Cleu_164	2014	Fall	Aransas Bay	South	Male	746	X	X
Cleu_165	2014	Fall	Aransas Bay	South	Female	764	X	-
Cleu_166	2014	Fall	Aransas Bay	South	Female	893	X	-
Cleu_167	2014	Fall	Aransas Bay	South	Male	1104	X	X
Cleu_168	2014	Spring	Aransas Bay	South	Male	595	X	-
Cleu_169	2014	Spring	Aransas Bay	South	Male	615	X	X
Cleu_170	2014	Spring	Aransas Bay	South	Female	684	X	-
Cleu_171	2014	Spring	Aransas Bay	South	Male	686	X	-
Cleu_172	2014	Spring	Aransas Bay	South	Male	710	X	-
Cleu_173	2014	Spring	Aransas Bay	South	Female	713	X	-
Cleu_174	2014	Spring	Aransas Bay	South	Male	727	X	-
Cleu_175	2014	Spring	Aransas Bay	South	Female	734	X	-
Cleu_176	2014	Spring	Aransas Bay	South	Female	748	X	X
Cleu_177	2014	Spring	Aransas Bay	South	Female	770	X	-
Cleu_178	2014	Spring	Aransas Bay	South	Male	813	X	X
Cleu_179	2014	Spring	Aransas Bay	South	Male	863	X	-
Cleu_180	2014	Spring	Aransas Bay	South	Male	894	X	X
Cleu_181	2014	Spring	Aransas Bay	South	Male	904	X	X
Cleu_182	2014	Spring	Aransas Bay	South	Female	930	X	-
Cleu_183	2014	Spring	Aransas Bay	South	Male	994	X	X
Cleu_184	2014	Spring	Aransas Bay	South	Female	1020	X	X
Cleu_185	2015	Fall	Aransas Bay	South	Female	1010	X	-
Cleu_186	2015	Spring	Aransas Bay	South	Female	551	X	X

Cleu_187	2015	Spring	Aransas Bay	South	Female	606	X	X
Cleu_188	2015	Spring	Aransas Bay	South	Male	608	X	X
Cleu_189	2015	Spring	Aransas Bay	South	Female	684	X	X
Cleu_190	2015	Spring	Aransas Bay	South	Female	690	X	X
Cleu_191	2015	Spring	Aransas Bay	South	Male	710	X	X
Cleu_192	2015	Spring	Aransas Bay	South	Male	775	X	X
Cleu_193	2015	Spring	Aransas Bay	South	Female	778	X	X
Cleu_194	2015	Spring	Aransas Bay	South	Female	813	X	X
Cleu_195	2015	Spring	Aransas Bay	South	Female	837	X	X
Cleu_196	2016	Fall	Aransas Bay	South	Male	684	X	-
Cleu_197	2016	Fall	Aransas Bay	South	Male	728	X	-
Cleu_198	2016	Fall	Aransas Bay	South	Male	739	X	X
Cleu_199	2016	Fall	Aransas Bay	South	Female	755	X	X
Cleu_200	2016	Fall	Aransas Bay	South	Female	765	X	X
Cleu_201	2016	Fall	Aransas Bay	South	Male	794	X	-
Cleu_202	2016	Fall	Aransas Bay	South	Female	802	X	-
Cleu_203	2016	Fall	Aransas Bay	South	Male	804	X	X
Cleu_204	2016	Fall	Aransas Bay	South	Male	813	X	-
Cleu_205	2016	Fall	Aransas Bay	South	Female	824	X	-
Cleu_206	2016	Spring	Aransas Bay	South	Female	626	X	X
Cleu_207	2016	Spring	Aransas Bay	South	Male	835	X	-
Cleu_208	2016	Spring	Aransas Bay	South	Female	845	X	X
Cleu_209	2016	Spring	Aransas Bay	South	Female	932	X	X
Cleu_210	2014	Fall	Corpus Christi Bay	South	Female	703	X	X
Cleu_211	2014	Fall	Corpus Christi Bay	South	Female	730	X	X
Cleu_212	2014	Fall	Corpus Christi Bay	South	Male	738	X	-
Cleu_213	2014	Fall	Corpus Christi Bay	South	Female	751	X	X
Cleu_214	2014	Fall	Corpus Christi Bay	South	Female	835	X	-
Cleu_215	2014	Fall	Corpus Christi Bay	South	Female	852	X	X
Cleu_216	2014	Fall	Corpus Christi Bay	South	Female	889	X	X
Cleu_217	2014	Spring	Corpus Christi Bay	South	Female	773	X	X
Cleu_218	2014	Spring	Corpus Christi Bay	South	Male	951	X	X

Cleu_219	2015	Spring	Corpus Christi Bay	South	Male	550	X	X
Cleu_220	2015	Spring	Corpus Christi Bay	South	Female	572	X	X
Cleu_221	2015	Spring	Corpus Christi Bay	South	Female	583	X	-
Cleu_222	2015	Spring	Corpus Christi Bay	South	Female	597	X	-
Cleu_223	2015	Spring	Corpus Christi Bay	South	Male	598	X	-
Cleu_224	2015	Spring	Corpus Christi Bay	South	Female	598	X	-
Cleu_225	2015	Spring	Corpus Christi Bay	South	Female	602	X	X
Cleu_226	2015	Spring	Corpus Christi Bay	South	Male	614	X	X
Cleu_227	2015	Spring	Corpus Christi Bay	South	Male	732	X	X
Cleu_228	2015	Spring	Corpus Christi Bay	South	Female	739	X	-
Cleu_229	2015	Spring	Corpus Christi Bay	South	Female	766	X	-
Cleu_230	2015	Spring	Corpus Christi Bay	South	Male	780	X	X
Cleu_231	2015	Spring	Corpus Christi Bay	South	Female	968	X	X
Cleu_232	2015	Spring	Corpus Christi Bay	South	Female	1034	X	X
Cleu_233	2015	Spring	Corpus Christi Bay	South	Male	1092	X	X
Cleu_234	2015	Spring	Corpus Christi Bay	South	Female	1145	X	X
Cleu_235	2016	Fall	Corpus Christi Bay	South	Male	784	-	X
Cleu_236	2016	Fall	Corpus Christi Bay	South	Female	796	X	X
Cleu_237	2016	Spring	Corpus Christi Bay	South	Male	632	X	X
Cleu_238	2016	Spring	Corpus Christi Bay	South	Male	835	X	X
Cleu_239	2014	Spring	Lower Laguna Madre	South	Male	687	X	-
Cleu_240	2013	Fall	San Antonio Bay	South	Male	726	-	X
Cleu_241	2013	Fall	San Antonio Bay	South	Male	726	-	X
Cleu_242	2013	Fall	San Antonio Bay	South	Female	739	-	X
Cleu_243	2013	Fall	San Antonio Bay	South	Female	772	-	X
Cleu_244	2013	Fall	San Antonio Bay	South	Male	848	-	X
Cleu_245	2013	Fall	San Antonio Bay	South	Male	875	X	X
Cleu_246	2014	Spring	Upper Laguna Madre	South	Female	960	X	-