

## Hook ingestion rates in loggerhead sea turtles *Caretta caretta* as a function of animal size, hook size, and bait

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### Supplement. Additional data

Table S1. *Caretta caretta*. Summary results for 45 cm mean standard straight carapace length size class turtles. SAR: sardine, SQ: squid. Response category codes are DNT: did not take, PIM: partially in mouth, FIM: fully in mouth, ATS: attempt to swallow

Number	Hook size	Bait type	Bait style	DNT	PIM	FIM	ATS
21	14/0	SAR	Single	5	14	2	0
21	14/0	SAR	Threaded	2	7	7	5
20	14/0	SQ	Single	4	7	3	6
20	14/0	SQ	Threaded	2	4	7	7
20	16/0	SAR	Single	9	9	2	0
20	16/0	SAR	Threaded	1	10	6	3
20	16/0	SQ	Single	8	11	1	0
20	16/0	SQ	Threaded	5	11	2	2
20	18/0	SAR	Single	7	13	0	0
21	18/0	SAR	Threaded	5	15	0	1
20	18/0	SQ	Single	6	14	0	0
20	18/0	SQ	Threaded	8	12	0	0

Table S2. *Caretta caretta*. As in Table S1, but for 55 cm mean standard straight carapace length size class turtles. N = 20 turtles for all trials

Hook size	Bait type	Bait style	DNT	PIM	FIM	ATS
14/0	SAR	Single	2	7	3	8
14/0	SAR	Threaded	1	2	3	14
14/0	SQ	Single	3	1	1	15
14/0	SQ	Threaded	0	1	0	19
16/0	SAR	Single	7	5	6	2
16/0	SAR	Threaded	1	6	4	9
16/0	SQ	Single	1	6	1	12
16/0	SQ	Threaded	1	5	1	13
18/0	SAR	Single	6	13	0	1
18/0	SAR	Threaded	1	14	2	3
18/0	SQ	Single	0	15	1	4
18/0	SQ	Threaded	1	5	3	11
20/0	SAR	Single	4	16	0	0
20/0	SAR	Threaded	0	20	0	0
20/0	SQ	Single	1	18	0	1
20/0	SQ	Threaded	0	17	2	1

Table A3. *Caretta caretta*. As in Table S1, but for 65 cm mean standard straight carapace length size class turtles

Number	Hook size	Bait type	Bait style	DNT	PIM	FIM	ATS
20	14/0	SAR	Single	1	5	0	14
20	14/0	SAR	Threaded	0	5	3	12
20	14/0	SQ	Single	0	1	0	19
20	14/0	SQ	Threaded	1	5	0	14
19	16/0	SAR	Single	2	13	0	4
20	16/0	SAR	Threaded	0	7	0	13
20	16/0	SQ	Single	4	4	1	11
20	16/0	SQ	Threaded	0	1	0	19

20	18/0	SAR	Single	3	17	0	0
20	18/0	SAR	Threaded	1	12	1	6
20	18/0	SQ	Single	0	8	3	9
20	18/0	SQ	Threaded	1	10	1	8
20	20/0	SAR	Single	5	15	0	0
20	20/0	SAR	Threaded	1	19	0	0
20	20/0	SQ	Single	0	17	0	3
20	20/0	SQ	Threaded	0	18	0	2

Table S4. *Caretta caretta*. Predicted probability for each response category for 45 cm mean standard straight carapace length ( $SCL_{std}$ ) size class turtles from the multinomial logistic regression model ( $n = 882$ ) with terms of turtle size ( $SCL_{std}$ ), hook size, bait type (SAR: sardine, or SQ: squid) and baiting style (single or threaded). Response categories are DNT: did not take, PIM: partially in mouth, FIM: fully in mouth, ATS: attempt to swallow

Number	Hook size	Bait type	Bait style	DNT	PIM	FIM	ATS
21	14/0	SAR	Single	0.31529	0.48879	0.13784	0.05808
21	14/0	SAR	Threaded	0.12653	0.44575	0.29081	0.13691
20	14/0	SQ	Single	0.24202	0.42177	0.13266	0.20355
20	14/0	SQ	Threaded	0.07824	0.30982	0.22545	0.38649
20	16/0	SAR	Single	0.44244	0.47177	0.06908	0.01671
20	16/0	SAR	Threaded	0.22393	0.54257	0.18381	0.04969
20	16/0	SQ	Single	0.38958	0.46695	0.07627	0.06719
20	16/0	SQ	Threaded	0.17344	0.47237	0.17849	0.17570
20	18/0	SAR	Single	0.37116	0.60146	0.02276	0.00463
21	18/0	SAR	Threaded	0.19693	0.72517	0.06347	0.01442
20	18/0	SQ	Single	0.33837	0.61636	0.02601	0.01926
20	18/0	SQ	Threaded	0.17013	0.70422	0.06875	0.05689

Table S5. *Caretta caretta*. As in Table S4, but for 55 cm mean standard straight carapace length size class turtles. N = 20 turtles for all trials

Hook size	Bait type	Bait style	DNT	PIM	FIM	ATS
14/0	SAR	Single	0.09763	0.29172	0.15342	0.45723
14/0	SAR	Threaded	0.02296	0.15588	0.18966	0.63150
14/0	SQ	Single	0.03609	0.12121	0.07110	0.77160
14/0	SQ	Threaded	0.00692	0.05279	0.07164	0.86865
16/0	SAR	Single	0.21850	0.44903	0.12263	0.20984
16/0	SAR	Threaded	0.07012	0.32746	0.20688	0.39554
16/0	SQ	Single	0.11907	0.27506	0.08378	0.52208
16/0	SQ	Threaded	0.02801	0.14703	0.10361	0.72134
18/0	SAR	Single	0.21457	0.67013	0.04728	0.06802
18/0	SAR	Threaded	0.08995	0.63837	0.10420	0.16748
18/0	SQ	Single	0.16040	0.56313	0.04432	0.23215
18/0	SQ	Threaded	0.05282	0.42141	0.07673	0.44904
20/0	SAR	Single	0.12250	0.85820	0.01063	0.00867
20/0	SAR	Threaded	0.05621	0.89479	0.02565	0.02335
20/0	SQ	Single	0.10745	0.84616	0.01169	0.03470
20/0	SQ	Threaded	0.04681	0.83762	0.02678	0.08880

Table S6. *Caretta caretta*. As in Table S4, but for 65 cm mean standard straight carapace length size class turtles

Number	Hook size	Bait type	Bait style	DNT	PIM	FIM	ATS
20	14/0	SAR	Single	0.06366	0.30394	0.05234	0.58006
20	14/0	SAR	Threaded	0.01435	0.15568	0.06202	0.76795
20	14/0	SQ	Single	0.02041	0.10953	0.02104	0.84902
20	14/0	SQ	Threaded	0.00380	0.04638	0.02061	0.92921
19	16/0	SAR	Single	0.15514	0.50942	0.04555	0.28989
20	16/0	SAR	Threaded	0.04767	0.35565	0.07357	0.52311
20	16/0	SQ	Single	0.07358	0.27160	0.02709	0.62773
20	16/0	SQ	Threaded	0.01628	0.13654	0.03150	0.81567

20	18/0	SAR	Single	0.14876	0.74234	0.01715	0.09175
20	18/0	SAR	Threaded	0.06036	0.68442	0.03658	0.21865
20	18/0	SQ	Single	0.10449	0.58616	0.01510	0.29424
20	18/0	SQ	Threaded	0.03221	0.41058	0.02448	0.53273
20	20/0	SAR	Single	0.08079	0.90442	0.00367	0.01112
20	20/0	SAR	Threaded	0.03638	0.92552	0.00869	0.02941
20	20/0	SQ	Single	0.07009	0.88188	0.00399	0.04404
20	20/0	SQ	Threaded	0.02978	0.85141	0.00891	0.10990

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