

1 Supplementary material

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 3 Table S1 – Individual lesser black-backed gulls included in the study. The first letter of the ring code  
 4 identifies the sex of the bird (F = female, M = male). Only data collected during active breeding  
 5 (incubation, hatching and chick care) in the first year of tracking was included in the analysis, the  
 6 respective year for each individual is indicated in the Year column. Trips are those that occurred during the  
 7 breeding season and had no gaps (see Method section “Foraging trip classification”). Total trips include all  
 8 trips. Wadden trips are those trips that had at least one fix within the Wadden Sea. ‘Weekday’ or ‘weekend’  
 9 trips are those that had at least one fix within the Wadden Sea and at least one fix on a weekday (Monday –  
 10 Thursday) or weekend (Friday – Sunday), respectively. Data are sorted according to the number of trips in  
 11 the Wadden Sea (Wadden trips). Individuals marked with an asterisk showed significantly greater use of  
 12 the Wadden Sea during weekdays than weekend ( $p < 0.001$ ) and used this habitat for at least 10% of  
 13 weekday foraging time. Mass (g) and wing length (mm) were measured at the time of capture and GPS  
 14 tagging.  
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Tag #	Ring code	Year	Trips				Mass (g)	Wing length (mm)
			Total	Wadden	Weekday	Weekend		
134*	FAAU	2009	121	63	54	9	855	838
133*	FAAW	2009	97	42	35	7	795	826
297*	FAAD	2010	87	41	34	7	770	855
355*	FAKV	2010	117	40	30	10	830	844
344*	FAKK	2010	107	39	31	8	740	814
329	FAKJ	2010	175	36	29	7	785	823
373*	FABN	2010	94	27	23	4	820	816
534	FAPP	2011	76	16	14	2	680	829
754	FAJB	2012	55	15	6	9	765	846
327	FAKU	2010	118	13	8	5	830	874
324	FAKL	2010	60	11	10	1	755	856
326	FAKN	2010	85	9	7	2	810	840
606*	FARD	2012	42	8	6	2	650	864
320	MAMP	2010	96	7	6	1	975	886
54	FAJT	2008	18	6	5	1	650	816
304	FAKS	2010	53	5	3	2	810	843
533	FAPR	2011	26	4	3	1	715	812
52*	FAJK	2008	20	3	3	0	865	852
298	MAML	2010	47	2	2	0	960	890
325	MAMK	2010	127	2	1	1	850	848
536	MAPK	2011	18	2	2	0	925	874
542	FAPS	2011	25	2	2	0	705	864
51	MAKM	2008	13	1	0	1	895	917
535	MAPJ	2011	110	1	0	1	880	871
540	MAPM	2011	25	1	1	0	895	863
45	MAMA	2008	9	0	0	0	960	914
130	MACS	2009	12	0	0	0	955	896
132	MACN	2009	14	0	0	0	970	888
311	MAMJ	2010	152	0	0	0	950	859

Individual specialization on fishery discards

317	MAMM	2010	30	0	0	0	1065	898
537	MACV	2011	39	0	0	0	1010	877
538	MAPL	2011	117	0	0	0	950	897
541	MAPN	2011	32	0	0	0	870	916
604	FARC	2012	8	0	0	0	670	824
608	FARB	2012	14	0	0	0	740	854

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