

Fig. S1: (a) Temperature (° C) at 0.5 m and 5 m deep at Sauganeset sea site from day -9 (1<sup>st</sup> June 2018) to day 36 (15<sup>th</sup> July 2018). Week 0, the acclimatisation period, is days -7 to -1; (b) salinity (PSU) at 0.5 and 5 m deep at Sauganeset sea site from day -9 (1<sup>st</sup> June 2018) to day 36 (15<sup>th</sup> July 2018). Week 0, the acclimatisation period, is days -7 to -1.

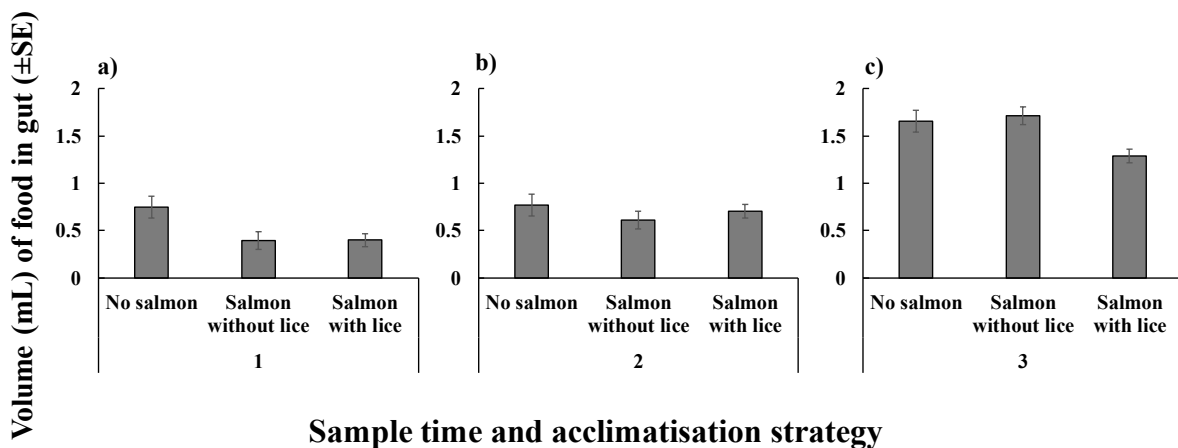


Fig. S2: the mean volume (mL) of digested food in ballan wrasse guts ( $\mu \pm$  SE) for each acclimatisation strategy at sample times 1 (a), 2 (b), and 3 (c). Note that cleaner fish were fed two days before and the day after sampling.

**Table S1: Scoring and definitions of damage to fins, skin, snout, operculum, and eyes.**

Body part	Score	Definition
Fin	1	no erosion, splitting or rays exposed
	2	any minor damage on fins, up to 60% deep fin split, or 1-2 splits on one fin, or up to 50% erosion
	3	split of more than 60% depth, or 3+ splits, or more than 50% erosion
Skin	1	good skin, no damage
	2	evidence of previous wounds (e.g. scars)
	3	open wound present
Snout	0	no damage
	1	damage or wound present
Operculum	0	no damage
	1	damage or wound present
Eye	0	no damage
	1	damage or wound present

**Table S2: Frequency of occurrence and percentage composition of dietary items in ballan wrasse guts. Treatment A = No salmon, Treatment B = salmon without lice, Treatment C = salmon with lice. Note that supplementary feed was not found in any guts.**

Sample time	Treatment	No. fish	Salmon lice			Caprellid amphipods			Non-caprellid crustacea			Algae			Scales			Other			TOTAL no. items		
			no.	% total	Freq (%)	no.	% total	Freq (%)	no.	% total	Freq (%)	no.	% total	Freq (%)	no.	% total	Freq (%)	no.	% total	Freq (%)			
1	A	24	2	0.9	8.3	179	80.3	75.0	21	9.4	16.7	0	0.0	0.0	19	8.5	20.8	2	0.9	4.2	223		
	B	24	1	0.6	4.2	141	82.5	75.0	15	8.8	25.0	1	0.6	4.2	11	6.4	20.8	2	1.2	8.3	171		
	C	31	8	4.4	16.1	86	47.0	41.9	54	29.5	9.7	0	0.0	0.0	35	19.1	9.7	0	0.0	0.0	183		
2	A	24	7	2.9	4.2	214	87.3	70.8	16	6.5	16.7	1	0.4	4.2	6	2.4	8.3	1	0.4	4.2	245		
	B	19	0	0.0	0.0	130	92.9	78.9	5	3.6	15.8	0	0.0	0.0	4	2.9	5.3	1	0.7	5.3	140		
	C	25	32	11.9	8.0	174	64.9	52.0	46	17.2	20.0	1	0.4	4.0	11	4.1	8.0	4	1.5	4.0	268		
3	A	24	3	0.7	4.2	419	92.5	100.0	26	5.7	12.5	0	0.0	0.0	3	0.7	4.2	2	0.4	8.3	453		
	B	24	0	0.0	0.0	322	95.0	100.0	15	4.4	20.8	1	0.3	4.2	1	0.3	4.2	0	0.0	0.0	339		
	C	54	41	6.9	5.6	520	87.1	83.3	31	5.2	14.8	1	0.2	1.9	2	0.3	1.9	2	0.3	3.7	597		
Total dietary items		94				2185				229				5				92				14	2619

No. fish = number of wrasse sampled, no. = raw number of a dietary item found, % total = % total of all dietary items, Freq (%) = % frequency of occurrence (i.e. no. of fish that consumed a prey item/total number of fish in that treatment replicate).

**Table S3: Mean damage to skin and fins, and incidence of damage to opercula and snout. Treatment A = No salmon, Treatment B = salmon without lice, Treatment C = salmon with lice.; No eye damage was recorded.**

Sample time	Treatment	No. fish	Mean damage					Incidence of damage	
			Caudal	Dorsal	Right pectoral	Left pectoral	Skin	Snout	Opercula
1	A	24	1.3	1.3	1.8	1.8	1.2	2	1
	B	24	1.5	1.3	1.8	2.2	1.2	1	0
	C	31	1.7	1.3	1.9	2.0	1.2	0	0
2	A	24	1.7	1.1	1.6	1.9	1.2	0	0
	B	19	1.4	1.1	1.9	2.0	1.3	0	0
	C	25	1.7	1.3	1.8	1.8	1.2	0	0
3	A	24	2.0	1.1	1.5	1.7	1.2	1	1
	B	24	2.0	1.2	1.5	1.8	1.1	2	0
	C	54	1.7	1.3	1.8	1.7	1.1	2	0