Supplementary material

Table S1. Stable C, N and S isotopic compositions of animals

Forest	Year	Group	Taxa	$\delta^{13}C$	SE	$\delta^{15}N$	SE	$\delta^{34}S$	SE	n
Unimpacted	2016	algae feeder	*Tubuca signata*	-17.4	0.3	6.7	0.3	14.3	1.0	3
Unimpacted	2017	algae feeder	*Tubuca signata*	-17.1	0.8	6.0	0.2	14.2	0.2	3
Unimpacted	2018	algae feeder	*Tubuca signata*	-16.5	0.4	6.9	0.2	14.7	0.2	5
Unimpacted	2017	filter feeder	*Saccostrea sp.*	-19.3	0.2	7.8	0.1	13.5	0.4	3
Unimpacted	2018	filter feeder	*Saccostrea sp.*	-20.2	0.1	6.9	0.2	14.0	0.3	3
Unimpacted	2016	grazer	*Telescopium telescopium*	-20.3	0.1	7.1	0.0	10.9	1.0	2
Unimpacted	2017	grazer	*Telescopium telescopium*	-18.2	1.1	6.4	0.1	12.0	1.1	3
Unimpacted	2018	grazer	*Telescopium telescopium*	-18.4	0.8	7.3	0.2	11.3	0.9	6
Unimpacted	2016	leaf feeder	*Parasesarma or Episesarma*	-21.0	0.3	7.7	0.3	11.5	1.0	3
Unimpacted	2017	leaf feeder	*Parasesarma or Episesarma*	-21.1	0.8	8.1	0.4	12.9	2.0	4
Unimpacted	2018	leaf feeder	*Parasesarma or Episesarma*	-22.0	0.5	7.9	0.4	15.0	0.7	4
Impacted	2016	algae feeder	*Tubuca signata*	-15.7	0.7	7.5	0.2	17.0	0.2	3
Impacted	2017	algae feeder	*Tubuca signata*	-15.4	0.8	8.4	0.4	15.5	0.3	3
Impacted	2018	algae feeder	*Tubuca signata*	-15.1	0.2	7.3	0.4	16.7	0.2	6
Impacted	2017	filter feeder	*Saccostrea sp.*	-19.0	0.5	7.9	0.1	14.5	0.4	3
Impacted	2018	filter feeder	*Saccostrea sp.*	-20.0	0.0	7.5	0.1	15.2	0.2	3
Impacted	2016	grazer	*Telescopium telescopium*	-16.2	0.1	7.5	0.0	14.1	0.7	2
Impacted	2017	grazer	*Telescopium telescopium*	-16.7	0.8	7.2	0.1	14.7	0.4	3
Impacted	2018	grazer	*Telescopium telescopium*	-16.0	0.5	7.8	0.2	14.5	0.2	6
Impacted	2016	leaf feeder	*Parasesarma or Episesarma*	-18.6	0.0	9.0	0.4	15.7	0.1	2
Impacted	2017	leaf feeder	*Parasesarma or Episesarma*	-18.3	0.1	9.0	0.3	16.0	0.5	3
Impacted	2018	leaf feeder	*Parasesarma or Episesarma*	-18.0	0.7	7.7	0.9	19.4	1.2	3

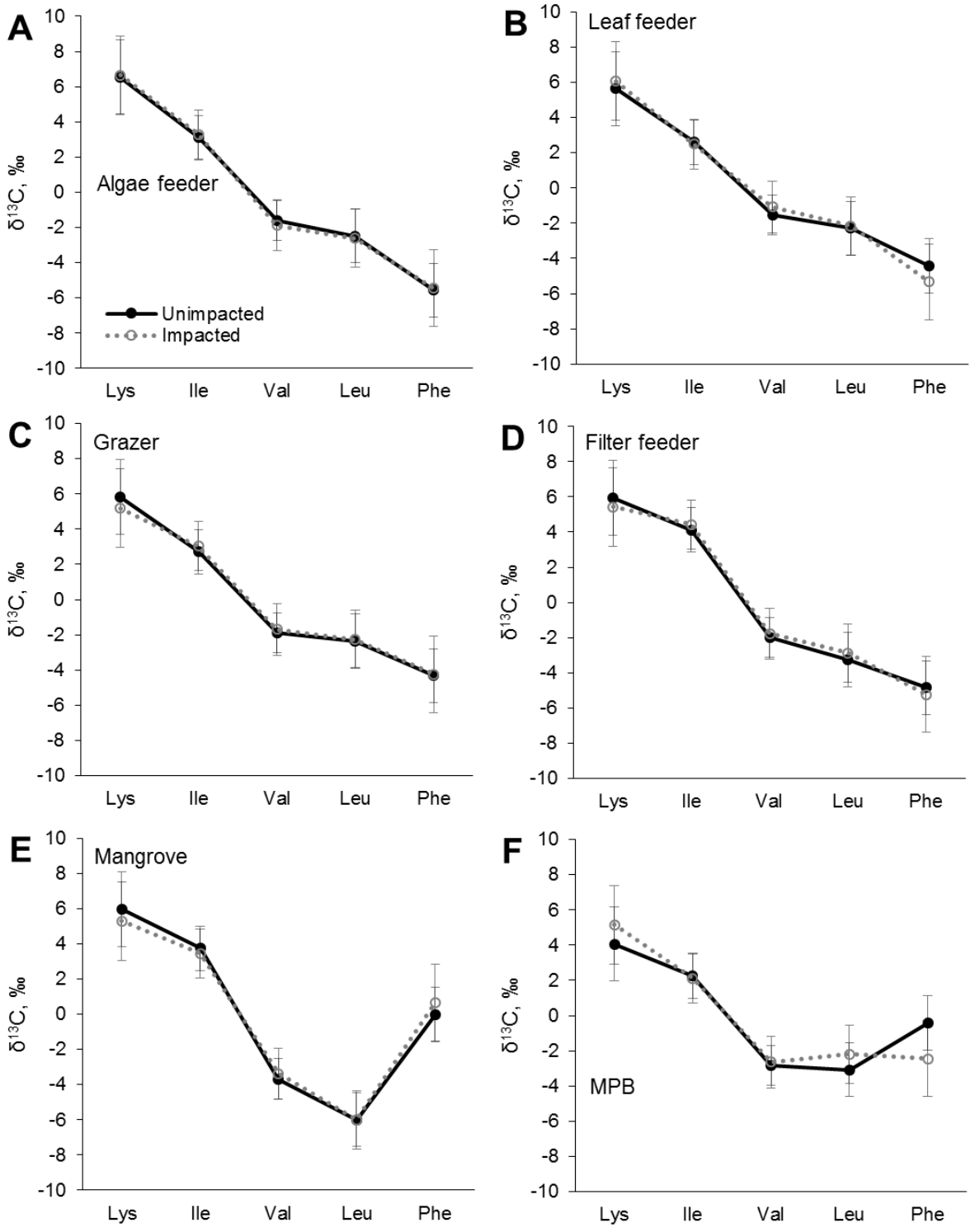

Figure S1. Normalized $\delta^{13}C_{EAA}$ fingerprint patterns of four mangrove consumer groups and resources including mangrove leaves and MPB from the unimpacted and impacted mangrove sites during 2017 (20 months after the dieback). The values were normalized to the mean $\delta^{13}C$ value of five EAA in the sample as per Larsen (2009). Error bars show ± SD. The normalized $\delta^{13}C_{EAA}$ fingerprint patterns did not differ between the forests for all the samples (PERMANOVA $p > 0.05$, Table 3).