

**Table S1.** Details of surface stations sampled (~2-3m for water samples; ~1-2m for zooplankton) in the Indian Ocean sector of the Southern Ocean during the austral summer of 2013.

Station	Date (dd/mm)	Latitude	Longitude	Local time
STF1	28/01	40°20.00S	57°22.93E	07:10
STF2	29/01	41°20.52S	57°33.83E	06:40
STF3	29/01	41°35.42S	57°45.88E	15:55
STF4	30/01	42° 44.67S	58°29.70E	08:10
STF5	31/01	43°12.50S	57°27.88E	07:05
SAF1	01/02	44°59.56S	57°33.71E	07:45
SAF2	02/02	46°15.46S	57°20.80E	07:20
SAF3	03/02	46°58.50S	57°30.75E	08:05
SAF4	05/02	49°35.48S	57°31.81E	06:00
PF1#1	07/02	50°46.40S	50°27.65E	08:05
PF1#2	08/02	52°25.59S	48°05.73E	08:50
PF1#3	09/02	53°09.56S	47°49.87E	07:00
PF1#4	11/02	55°42.48S	47°36.82E	06:20
PF2#1	13/02	56°16.40S	47°49.70E	06:10
PF2#2	16/02	56°23.50S	48°00.68E	07:20
PF2#3	18/02	56°30.46S	48°31.75E	08:30
PF2#4	20/02	56°31.49S	49°41.89E	06:35
PF2#5	23/02	56°34.70S	53°39.60E	08:35

**Table S2.** Details of vertical zooplankton stations sampled in the Indian Ocean sector of the Southern Ocean during the austral summer of 2013.

Station	Date (dd/mm)	Latitude	Longitude	Local time	Sampling depth
STF4	30/01	42° 44.67S	58°29.70E	08:10	0-40-150-300-500-1000
SAF3	03/02	46°58.50S	57°30.75E	08:05	0-55-150-300-500-1000
PF1#2	08/02	52°25.59S	48°05.73E	08:50	0-70-150-300-500
PF2#5	23/02	56°34.70S	53°39.60E	08:35	0-85-150-300-500